



ASCE American Society of Civil Engineers

WISCONSIN SECTION NEWSLETTER

January 2002

2001 – 2002 BOARD OF DIRECTORS

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(715) 834-3161

PRESIDENT'S MESSAGE

Hope each of you had a great Christmas and New Years. With the Green Bay Packer's finally making playoffs, we started the year off right.

Last year turned out to be a very difficult one for all Americans with the events on September 11, 2001, and the war on terrorism. Yes, we as engineers are faced with new challenges in the fight against terrorism, but I believe we are ready to solve these new challenges. As engineers, we must make America's infrastructure safer and less vulnerable to terrorist's acts.

ASCE has already been very active through FEMA and other emergency governmental agencies in providing assistance at the World Trade Center and Pentagon sites. ASCE and CTA have been instrumental in setting up a task force to review damages to buildings adjacent to the World Trade Center and recommend actions on repair/demolition of particular buildings. The ASCE New Jersey Section was also instrumental in getting current building plans of the World Trade Center Complex to the firemen and FEMA emergency staff within four days after September 11, 2001. This allowed emergency workers to know where the stairs, elevator shafts, electrical rooms, gas lines, mechanical shafts, etc. were located in order to try to search for survivors and not further endanger the lives of the rescuers.

Looking back on 2001, we can be proud of the assistance ASCE has provided to FEMA and other emergency governmental agencies involved with the World Trade Center and the Pentagon. As engineers, we should also be proud of the other accomplishments we have made in our society, our country and the world. These include improvements to our



infrastructure, our environment, and our dedication to making this world a better place to live.

Yet, looking forward to 2002, we each know we have to continue to strive to make improvements and solve the new challenges facing the world we live in. In order to accomplish this, we need **new members**. Our ASCE section membership has been holding steady the last three years, while other societies are seeing declining membership. Here is what I would like each of you to do. I would like each member to ask two persons to join ASCE. Explain to them the benefits you receive by being a member of ASCE. ASCE has been very active in sponsoring the technical sessions at Spring and Annual meetings, in the area of legislation, and helping sponsor Future Cities competition for youth in the Milwaukee and Madison areas. Members of ASCE also benefit from sharing ideas, mentoring, and networking. Please make these recruits aware that these benefits may not be apparent immediately, but they do develop over time and will be extremely valuable to their career.

(Continue on page 2)

(Continued from page 1)

So, I am asking each of you to seek out two friends and encourage them to join ASCE. Invite them to a branch meeting or Spring Technical and/or Annual Meeting. Believe me, they will feel honored you asked them. If every one of us adds two new members, our membership is sure to grow.

I am also proud to announce that we will shortly have a legislative website set up to review state legislation of interest to engineers. This legislative website was a joint venture between ASCE Wisconsin Section and the Wisconsin Society of Professional Engineers. Thanks go to Deanna Dietrich, chairman of our ASCE Public Affairs Committee for her help in reviewing development of the website. The website will be linked to our ASCE Wisconsin Section website. So beginning Feb. 1, 2002, you should be able to log onto our ASCE Wisconsin Section website and review pending state legislation affecting engineers. Also, if you want to be a key contact member to review legislative bills in your area of expertise, please contact me at 608-242-1550 or one of the technical committee chairpersons.

I am sorry to report that Marty Hanson has resigned from the section board as treasurer. Over the last three years, Marty has pursued being on the Wisconsin Examining Board of Architects, Landscape Architects, Professional Engineers, Designers and Land Surveyors. He was nominated and selected to be on the examining board in November 2001. Due to the fact that there is a state statute prohibiting any examining board member from being an officer or a director of an associated professional organization while on this board, regretfully, Marty has had to resign from our section board. Marty has been a major player in ASCE, especially as webmaster.

We look forward to having Marty's continued involvement as webmaster, and in other ASCE activities that do not jeopardize his present position on the examining board. Bill Butler has been nominated and unanimously accepted by the section board to take over as treasurer. As many of you know, Bill was section treasurer for the past three years and has graciously accepted to complete this year as treasurer.

The students still need professionals to help at the 150th ASCE National Student Conference to be held in Madison in June. Remember this is a once-in-a-lifetime chance to be able to host this national event commemorating the 150th anniversary in Madison, so please let's give the students a hand and volunteer. If you are interested in helping, please contact Bill Wuellner at 608-288-4100.

I am also proud to announce that our Section has been awarded the **Outstanding Large Section Award for Zone III**. Congratulations go to all of our Board members, committee chairpersons, and the many volunteers and active members for their outstanding participation and help in making this possible. This just goes to show you we have an outstanding section and we should be very proud of our section's accomplishments.

For a final note, our spring technical conference committee is working hard to prepare a great Spring Technical Conference on March 14, 2002, at the Olympia Resort (see the additional article on the Spring Technical Conference in the newsletter). Please mark your calendars and plan on attending what is sure to be an outstanding Spring Technical Conference.

Respectfully,

Frederick Groth

AWARD WINNERS!

Congratulations go out to three Wisconsin Section Members who won National ASCE Awards in 2001

- ◆ Julie L. Verish, President of Heartland Engineering, Inc. in Brookfield, WI was the Zone III and National winner of the Daniel W. Mead Prize for Younger Members for her paper, "*How do you build a diversity program for civil engineers in the global market of the 21st century?*"
- ◆ Lawrence C. Bank, professor in the civil and environmental department at the University of Wisconsin – Madison won the Richard R. Torrens Award for his exemplary work on the "*Journal of Composites for Construction*."
- ◆ Charles S. Melching, associate professor in the civil and environmental engineering department at Marquette University won the Walter L. Huber Civil Engineering Research Prize for his research on uncertainty and reliability analysis in water resources and environmental engineering, in particular, uncertainty in modeling rainfall runoff and stream water quality.



A "Can't Miss" Opportunity, ASCE's 150th Anniversary National Student Conference Career Fair

The ASCE 150th Anniversary National Student Conference is planned to take place June 20th through the 24th at the University of Wisconsin - Madison this summer. One of the many exciting events that will be held during the conference is the Career Fair in the Kohl Center all day June 22nd and 23rd. Students, faculty, professionals, and potential employers will all have the opportunity to participate in this exciting event. With an expected registration of 1500 conference participants, this is the perfect chance for companies, societies, manufacturers, and schools to recruit knowledgeable students and professionals.

The goal of the career fair is to link qualified candidates with outstanding employers, universities, societies, and manufacturers. Job seekers browsing for challenging careers or companies searching for those ideal employees will find this event priceless. The Career Fair will offer companies the chance to converse with individuals specializing in all areas of Civil Engineering giving them the chance to contact many qualified candidates. The ASCE Career Fair is bringing together over 100 nation-wide employers and the best and brightest students in the Civil Engineering field to inform and encourage career opportunities, active society membership, continuing education, and product use.

Employers interested in obtaining a booth for this ultimate event should refer to the Career Fair section of the ASCE 150th website, <http://www.cae.wisc.edu/~asce150/>. An online registration form will be available on the website starting November 15, 2001. Booths will be available at a price of \$700 per unit through February 1st, after this date the registration fee will increase to \$800. Due to space requirements registration is limited, so print and return the registration form as quickly as possible. For any questions or concerns, please contact J.J. Kirkish at jjkirkish@students.wisc.edu.

Editor's Note: The ASCE 150th website above was listed incorrectly in the November issue of the Section newsletter. Please note this correction.

Great Lakes Regional Conference

Marquette University's student chapter of ASCE has volunteered to host this year's Great Lakes Regional Conference for Concrete Canoe and Steel Bridge. Marquette University is honored and excited about hosting this extraordinary event. It has been quite some time since Marquette has had the privilege of hosting this event. The Regional competition is part of the National organization of ASCE. Winning universities from each event in each region will go on to compete against each other at National's which will be held in conjunction with the 150th Anniversary in Madison.

The Great Lakes Regional Competition is a very large event drawing over 250 students and faculty from schools such as University of Illinois, Notre Dame, and UW - Madison. Universities travel from all over the Great Lakes area to participate in this event. The event will take place on Thursday, April 25th through Sunday, April 28, 2002, and planning is already well underway. In order to make this event a success, a significant amount of fundraising has been necessary. We will need a great deal of support from the Marquette community and area businesses. We are asking for your support through monetary donations, donations of materials and design advice or event ideas. We would also be very grateful to acquire several people from businesses to volunteer their time to judge some of the competitions.

Donations will subsidize the cost of equipment rentals, plaques and awards, facility rental and registration packets. We will display your firm's name and/or logo at the conference events, in the program, on the conference T-shirt, and at the banquet.

If you are interested in helping with the conference, attending as a spectator or judge, or would like more information (i.e. tentative agenda, locations of events, etc.), please feel free to contact me at any time. I can most easily be reached at 414-416-3777. It's going to be an excellent time and I hope that some of you are able to come and enjoy the fun!

Thank you for your time.

Aleisha M. Palaniuk
MU ASCE Student Chapter President

2002 ASCE Section Awards Competition

It's never too early to begin thinking about the annual ASCE Wisconsin Section Awards Competition. There are several different awards under the ASCE umbrella, and they include:

- ❖ Individual Merit Awards
- ❖ Distinguished Service Awards
 - *Engineer in Education*
 - *Engineer in Consulting Practice*
 - *Engineer in Government Service*
 - *Engineer in Private Practice (Utility, Industry, etc.)*
- ❖ Excellence in Journalism Award
- ❖ Young Civil Engineer of the Year Award (nominee must be less than 35 years of age during 2002)
- ❖ Engineering Achievement Awards

Although the award nominations are not due to the section secretary, John Burgan until June 1, 2002, now is the best time to inform your co-workers, and/or business associates about the program and select your projects.

The Engineering Excellence Awards portion of the competition recognizes civil engineering achievements located in the Wisconsin Section's geographical area. The determining factor in categorizing entries is construction cost.

Category A: Construction cost under \$2,000,000

Category B: Construction cost over \$2,000,000 and under \$10,000,000

Category C: Construction cost over \$10,000,000 and under \$20,000,000

Category D: Construction cost over \$20,000,000

Awards are made by the Board of Directors, based on the recommendation of a selected Jury of Judges. A particular project, regardless of category or size, may then be designated the Wisconsin Section ASCE Outstanding Civil Engineering Achievement of the Year. In addition, all award winners will be asked to provide a poster for display at the Annual Meeting held each September, and will be given the opportunity to provide a presentation for use at the noon luncheon awards ceremony.

Unlike many other awards' competitions, there is no fee for entering the ASCE awards program. We are simply looking for people and projects that demonstrate excellence in engineering skills, and represents a significant contribution to engineering progress and society. Start now and take this opportunity to recognize your projects and co-workers! For more information, log on to www.asce.org/gsd/sections/wisconsin.

Younger Member Awards Call for Nominations

The Committee on Younger Members (CYM) is actively soliciting nominations for the five younger member awards. ***The deadline for all award nominations is February 1, 2002.*** Candidates must be members of ASCE who are 35 years of age or less as of February 1, 2002.

- The **DANIEL W. MEAD PRIZES** are awarded on the basis of a paper written on professional ethics. This year's topic is: "Ethics and Civil Engineering: Past, Present and Future." (See page 5 for details.)
- The **EDMUND FRIEDMAN YOUNG ENGINEER AWARD** recognizes the professional contributions of Younger Members of the Society for service, technical competence, high character, integrity, and leadership.
- The **YOUNG GOVERNMENT CIVIL ENGINEER AWARD** recognizes distinguished civil engineers employed in public service for demonstrated leadership potential in Public Service Engineering.
- The **YOUNGER MEMBER GROUP AWARD** recognizes the most outstanding large and small Younger Member Groups in the Society.
- The **COLLINGWOOD PRIZE** is awarded to the author(s) of a paper (1) describing an engineering work with which the author(s) have been directly connected or (2) recording the investigations contributing to engineering knowledge to which the author(s) have contributed some essential part, and (3) containing a rational digest of results.

If you are interested obtaining detailed information and award nomination forms for any of these awards, please see our web page at www.asce.org/gsd/committees/cym, or contact Nancy Berson at 1-800-548-ASCE.

2002 DANIEL W. MEAD CONTEST FOR YOUNGER MEMBERS

The Daniel W. Mead Prize for Younger Members was established in 1939 to honor the memory and accomplishments of the 67th President of the American Society of Civil Engineers. The talents of many of the leaders of the profession were first recognized in previous contests for this significant professional honor. The current contest provides another opportunity for alert young civil engineers to further their professional development and gain national attention.

In recognition of the 150th Anniversary of ASCE (1852-2002), the Society is both celebrating its history and looking forward to its future. This year's Mead topic invites you to discuss the impact of ethics on the civil engineering profession in this context.

The paper must be written on:

"Ethics and Civil Engineering: Past, Present and Future"

Points to ponder:

- What ethical challenges will face Civil Engineers 50 years from now?
- Given the technological advances of the last 150 years, how will technology influence civil engineering ethics in the future?

RULES

- ◆ The author must be an Associate Member, Member or Affiliate of the Society, 35 years of age or less on February 1, 2002.
- ◆ Only one person can write each paper.
- ◆ Each Section or Branch can submit only one paper.
- ◆ Paper must contain no more than 2,000 words and must address professional ethics.
- ◆ One winner may be selected from each of the four Zones and International membership of the Society.
- ◆ The national winner, selected from the Zonal winners, will receive a wall plaque and a certificate.
- ◆ The national winner may be invited to present his/her paper at the ASCE National Convention, Washington, D.C., in November 2002.
- ◆ The paper by the national winner will be submitted for publication in **Civil Engineering**.
- ◆ By February 1, 2002, two copies of each paper must be submitted through the Section or Branch Secretary to:

**Please include name and ASCE member ID.*

ASCE AWARDS DEPARTMENT
1015 15TH ST. NW, SUITE 600,
WASHINGTON DC 20005.*

SECTION CAPTURES ANOTHER AWARD

We did it again! For the third consecutive year, and the last five out of six years, the Wisconsin Section has been awarded the Outstanding Large Section Award for Zone III. Congratulations go to all of our Board members, committee chairpersons, and the many volunteers and active members for their outstanding

participation and help in making this possible. This just goes to show you we have an outstanding section and we should be very proud of our section accomplishments.

The award will be presented at the Leadership Conference in Kansas City, MO on *February 2, 2002*.

WE NEED YOUR HELP!

The ASCE 150th Anniversary National Student Conference will be held June 20-24, 2002, at the University of Wisconsin – Madison. The UW ASCE student chapter is the host of this event, but due to the size of the event, they are in need of some help. They have some specific tasks that need volunteer staffing, and some of the tasks are listed below. If you are able to help out at any one (or more) of these events, please sign up! The sooner we start filling the slots for volunteers, the easier it will be for the students to plan.

You can find out the date and time and volunteer for any of the events and activities listed below by calling Deanna Dietrich at 608-265-8030 or any Branch Director, or visit the 150th website. Activity categories where volunteers are needed include: Concrete Canoe, Steel Bridge, Career Fair, Service Project, Conferences, Competitions, and Field Trips. Volunteer activities include referees, drivers, ticket takers, and facilitators.

ASCE's Spring Technical Conference

The ASCE Wisconsin Section will be holding its Spring Technical Conference on **March 14, 2002**, at the Olympia Resort and Conference Center in Oconomowoc, Wisconsin. The branch host is the Southeast Branch. The Technical Committees are soliciting abstracts for presentations during the conference. Two to three abstracts will be selected by each technical committee for presentations at the Conference. Your abstracts should be forwarded to the appropriate technical committee chairperson. For more details, contact the STC Chairperson: Brian Udovich at (262) 542-5733.

FOX RIVER VALLEY BRANCH SCHOLARSHIP

The Fox River Valley Branch has awarded a \$1000 Scholarship to Ms. Laura Bienash of Green Bay. Ms. Bienash is currently enrolled as a freshman at Marquette University. She attended Ashwaubenon high school where she was the Salutatorian as well as a member of the Swim Team, Community Service Club, Odyssey of the Mind and the National Honors Society. Ms. Bienash's interest in Civil Engineering began with her 3rd grade Odyssey of the Mind balsa wood structure project. Her continued interest in the field led her to job shadow with three Green Bay area consulting firms during her senior year as well as developing a PowerPoint presentation on Civil Engineering that was given to students at Parkview Middle School and Ashwaubenon High School. ***Congratulations Ms. Bienash.***

ENGINEERING ... TOUCHING EVERYONE'S FUTURE

NATIONAL ENGINEERS WEEK: FEBRUARY 17-23, 2002,

A message from: Charles O. Holliday, Jr. 2002 Honorary Chair, National Engineers Week

Engineering has enabled the application of technical developments in all areas of our lives. Think of the impact! Every day we are touched by the advances in communications, transportation, construction, agriculture, and medicine to name a few – all enabled by engineers.

Contemporary society simply cannot function without engineers. Despite all the opportunities and wealth of choices that a career in engineering offers, fewer young people are pursuing careers in engineering. In fact, we are facing a shortage of trained professionals in engineering. Current trends suggest that by the year 2010, the world will have a shortage of five million engineers.

National Engineers Week provides us with an opportunity to celebrate the achievements of engineers throughout the world and the resulting improvements in our quality of life. But this year, our focus is as much on the future as on the past. Who will be the engineers of tomorrow? I challenge engineers and educators nationwide to provide students with the tools they need to change the world – to become engineers.

ZOOM into Engineering is a project designed to excite kids about engineering by combining Engineers Week's cadre of

enthusiastic volunteers with the fun, kid-tested, engineering activities from the hit PBS television show *ZOOM*. The appeal of *ZOOM* and the chance to do activities with real engineers is sure to draw crowds of interested youngsters to all types of outreach events – from shopping malls and after school programs to libraries, science centers, and classrooms.

DuPont and ASCE will also carry out a unique program to increase the visibility of engineering careers to girls, and young women. Introduce a Girl to Engineering Day is a legacy program sponsored by National Engineers Week. A goal of this legacy program is to increase the influence and participation of women in science, engineering, and technology to match that of other professions.

These programs help attract young people to the engineering profession, but addressing the looming engineer shortage will require the combined efforts of educators, employers, professional associations and others. Engineering offers an array of fascinating and rewarding career options. We must make sure our young people are prepared to take on the challenge of engineering, while together we encourage them to do so and help them to succeed.

2001 – 2002 STANDING COMMITTEE CHAIRPERSONS

<i>Committee</i>	<i>Chair</i>	<i>Phone No.</i>
Nominations	Jeff Abramson	(715) 834-3161
Awards	Phil LeClaire	(414) 790-0414
Budget & Finance	William Butler	(920) 468-1978
History & Heritage	Tom Walther	(715) 839-2952
Jury of Judges	Darrell Berry	(414) 359-2300
Membership	Randy Videkovich	(414) 225-5100
Newsletter	Tim Bate	(414) 225-2156
Public Relations	Lori Mayerhoff	(414) 259-1500
Public Affairs	Deanna Dietrich	(608) 265-8030
Engineering Education / Professional Development	Rolf Killingstad	(608) 845-5129
Past President Council	Tuncer Edil	(608) 262-3225
Annual Meeting	Bruce Kresslein	(920) 682-0131
Spring Technical Conference	Brian Udovich	(262) 542-5733

2001 – 2002 TECHNICAL COMMITTEE CHAIRPERSONS

<i>Committee</i>	<i>Chair</i>	<i>Phone No.</i>
Environmental	Mike Penn	(608) 342-1537
Structural	Bob Schumacher	(414) 259-1500
Geotechnical	Steve Hunt	(414) 270-4207
Urban Planning & Transportation	Julie Verish	(414) 781-1782
Water Resources & Hydraulics	Dr. Hector R. Bravo	(414) 229-6756
Construction	Robert Schmitt	(608) 342-1239
Management	Harry Farchmin	(414) 291-5100

Editor's Note:

Comments, suggestions, and articles regarding the newsletter can be sent to:

Tim Bate

tbate@mmsd.com

Milwaukee Metropolitan Sewerage District

260 West Seeboth Street

Milwaukee, WI 53204

Phone: (414) 225-2156

Fax: (414) 221-6801

*Please submit all articles for the March 2002
Newsletter by February 15, 2002.*

Visit the Web Site

Visit us at www.asce.org/gsd/sections/wisconsin to find out general information, current events, background data, and ASCE related links.

Under current events, you can read the Board of Director's minutes and find this newsletter online.

Our continued thanks to Marty Hanson for volunteering his time and talents, making our site current and informative.

hansonm@AvresAssociates.com, (715) 834-3161.

UPDATE ONLINE

ASCE members can now update their membership information online. With a few clicks of the mouse, members can instantly update their personal information in the National database.

Visit www.asce.org for further information.

MEETING SCHEDULE 2001 – 2002 (Updated: November 3, 2001)

Year	Month	Fox River Valley Branch	Southeast Branch	Southwest Branch	Northwest Branch
2001	October	24 Appleton	25 Milwaukee (D12)	11 Platteville (12)	4 Wausau (8)
2001	November	15 Green Bay (3)	8 Wauwatosa (D2)	8 Madison (3) 29 Dodgeville (11)	15 Chippewa Falls
2001	December	20 Green Bay (3) (13)	20 Milwaukee (N5)	12 Madison (N)	
2002	January	15 Manitowoc (6)	22 Marquette U (D9)	9 Madison (N)	25 TBA (D)
2002	February	13 Sheboygan (2)	12 Milwaukee (D14)	21 Madison (3)	12 TBA
2002	March	14 Oconomowoc (4)	14 Olympia Resort (4)	14 Oconomowoc (4)	14 Oconomowoc (4) 20 TBA
2002	April	25 Green Bay	18 Milwaukee (N5)	10 Madison (N)	18 Chippewa Falls
2002	May	21 DePere (8)	23 (NT)	16 Madison (3)	14 Stout Lodge
2002	June		20 (D6)		
2002	July				
2002	August				
2002	September	20 Green Bay (1)	20 Green Bay (1)	20 Green Bay (1)	20 Green Bay (1)

SCHEDULED SECTION BOARD MEETINGS

October 18, 2001	Madison
November 15, 2001	Neenah
December 13, 2001	Milwaukee
January 17, 2002	Madison
February 2002	No Meeting
March 14, 2002	Oconomowoc Spring Technical Conference
April 18, 2002	Chippewa Falls
May 9, 2002	Milwaukee
June 20, 2002	Madison
July 2002	No Meeting
August 15, 2002	Fox River Valley
September 20, 2002	Green Bay – Annual Meeting

NOTES

- # Joint Section Board and Branch Meeting
- N Noon Luncheon Meeting
- D Dinner Meeting
- T Tentative Date
- 1 Wisconsin Section Annual Meeting (hosted by Fox River Valley Branch)
- 2 Joint Meeting with American Concrete Institute (ACI)
- 3 Joint Meeting with WSPE
- 4 Wisconsin Section Spring Technical Conference (hosted by Southeast Branch)
- 5 Joint Meeting with ESM (Engineers and Scientists of Milw.)
- 6 Past Presidents Night
- 7 Field Trip
- 8 Golf Outing
- 9 Joint Meeting with Student Chapter – Marquette University
- 10 Joint Meeting with Student Chapter – UW-Madison
- 11 Joint Meeting with Student Chapter – UW Platteville
- 12 Mentor Night
- 13 Spouses Night
- 14 Engineer of the Year Banquet



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Milwaukee Metropolitan Sewerage District
260 West Seeboth Street
Milwaukee, Wisconsin 53204

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January 2002 Newsletter

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