



ASCE *American Society of Civil Engineers*

WISCONSIN SECTION NEWSLETTER

March 2002

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PRESIDENT'S MESSAGE

Winter seemed short, but I hope you enjoyed it, and now we are looking forward to spring. I know that I feel a little slighted this year, though. The winter has been so mild with little time to go ice skating on lakes, sledding, or do any other outdoor winter activities. But I don't want to complain too much; I appreciated not having to shovel the driveway as often this year. For all Packers fans, we did not make it to the Superbowl this year, but just wait until next year.

With spring just around the corner, I hope each of you have marked your calendars for March 14, 2002, for the ASCE Wisconsin Section Spring Technical Conference at the Olympia Resort and Conference Center in Oconomowoc, Wisconsin. The Southeast Branch, Section Technical Committees and Spring Technical Conference Committee, chaired by Brian Udovich, have been working very hard to put this conference together. They have an exciting conference planned, with great speakers and topics, so please get the word out and plan on attending the conference. For more information, see the Spring Technical Conference program announcement located elsewhere in this newsletter. Thank you Brian and other STC committee members for your time and hard work in putting this informative conference together.

At this year's Spring Conference, we will be honoring ten new life members. We thank each of these new life members for the countless hours and contributions they have made, and continue to make, to our Society.



With regard to Section Technical Committees, each committee has worked very hard in getting speakers for the Spring Technical Conference. These technical committees are the heart and soul of our Society. One of the reasons why people join ASCE is for the technical information our Section and Branches give members through programs, including the Spring Technical Conference and Annual Meeting. Our technical committees are also used as a resource in reviewing state legislative bills and issues in their area of expertise.

If you are interested in working with talented engineers in your own field, then please join one of these committees and see just how rewarding it can be. Please call the technical committee chairperson of your choice (listed in this newsletter) if you are interested in joining.

(Continue on page 2)

(Continued from page 1)

I am sorry to report that Deanna Dietrich has elected not to stay on with ASCE and the Section Board as Director at Large for personal reasons. As many of you know, Deanna has been very active at both the Branch and Section levels, serving as President of the SW Branch as well as on the Section Board and numerous other committees. She will be missed by all of us and we wish Deanna well in her future endeavors. Ken Kosciak has been nominated and unanimously approved by the Section Board to take over as Director at Large. As many of you know, Ken has served on the Section Board as President and in numerous other capacities and has graciously accepted his nomination to complete this year as Director at Large.

The students still need professionals to help in various capacities at the 150th ASCE National Student Conference i.e. judges, tours, and various other volunteer positions. This conference will be held at the University of Wisconsin in Madison on June 21-24, 2002. Remember this is a once-in-a-lifetime chance for our

Section's Student Chapters to be able to host this national event commemorating the 150th anniversary in Madison. If you are interested in helping, please contact Bill Wuellner at 608-288-4100.

On a final note, I am proud to announce that our Wisconsin Legislative website, to review state legislation of interest to engineers, is up and running. You can access it by going on-line at the ASCE Wisconsin Section website "http://sections.asce.org/wisconsin/wi_asce.html" and you will find the link to the Wisconsin Legislative website. Please log on and review the pending state legislative bills 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.

Have a great spring and see you at the Spring Technical Conference.

Respectfully,

Frederick Groth

National Historic Civil Engineering Landmark Nomination

In the fall of 2001 the Wisconsin Section nominated the Marshall Building in Milwaukee for designation as a National Historic Civil Engineering Landmark. ASCE's Committee on History and Heritage of American Civil Engineering has set up the criteria for this award. Its main purpose is to identify civil engineering projects for their historic significance and uniqueness. Through this program ASCE hopes to enhance the public's knowledge and appreciation of our history and our heritage.

The Marshall Building is the oldest existing flat slab building in the world. It is located at the corner of Buffalo and Water Streets in Milwaukee's Third Ward. The building was designed by C.A.P. Turner and built in 1906 as a five-story building. Then in 1911 a 6th floor was added, per Turner's original design. The building was originally used to manufacture and warehouse coffee, tea, spices and sugar. Today the building is used primarily as office space.

The Wisconsin Section has received preliminary notification of acceptance of this nomination. Final word from the ASCE Board of Directors is expected this spring.

Thousands Enter Bridge Contest

The total number of teams involved in the West Point Bicentennial Engineering Design Contest exceeds 12,000, representing about 20,000 individuals. The feedback received so far on both the competition and the accompanying manual distributed by West Point has been positive.

One goal of the contest is to interest

young people in careers in science and engineering and to help them experience the satisfaction that comes from solving problems through teamwork.

For its part, ASCE distributed an outreach package in December in order to help its members encourage participation in the contest as part of

the festivities marking its 150th anniversary. The package included tips on outreach, a media advisory, sample news releases, a fact sheet, and a copy of the contest flyer prepared by contest administrators at West Point.

For more information, visit the contest website:

<http://bridgecontest.usma.edu>



ASCE 150TH Anniversary National Student Conference Showcases Wisconsin's Civil Engineering Accomplishments

This summer ASCE is co-sponsoring the ASCE 150th Anniversary National Student Conference from June 21st-24th in Madison, Wisconsin. It will be the first time that the National Student Steel Bridge and National Concrete Canoe competitions will be held simultaneously at one location. The student conference is expected to draw nearly 1,500 civil engineering students and practitioners from all across the country.

During the conference students will have the opportunity to go on field trips to certain Milwaukee and Madison destinations. The four tours include Madison's Downtown Overture Project, the Madison Metropolitan Sewerage Treatment Plant, the Milwaukee Art Museum, and the Brewers' Miller Park. We hope the students enjoy seeing some of Wisconsin's largest, newest, and most famous facilities and are pleased to provide them with exposure to innovative engineering ideas and perspectives.

Two of the fascinating projects that conference attendees may visit are in Milwaukee. World famous architect Santiago Calatrava received *Time Magazine's* "2001 Best Design of The Year" for his work on the new Milwaukee Art Museum. The beauty of the structure itself, which sits peacefully on Lake Michigan's shore, rivals the beauty of the artwork displayed in the recently completed addition. The new pedestrian bridge leads art patrons over intricate gardens to an amazing terrace that resembles a large sailboat.

The other stop is Miller Park -- home of the Milwaukee Brewers. The park, which opened last spring, is home to North America's only fan-shaped convertible roof. Informative tours combined with the possibility of seeing a MLB game during the visit will have students chanting "Take me out to the ballgame." Both the art museum and the ballpark are civil engineering feats that the students are sure to learn from and enjoy.

In Madison students will get a chance to tour the technologically advanced Madison Metropolitan Sewerage District Treatment Plant and the Overture Center, in our capital city's new Arts District. Students will get to see how Madison Metro Sewerage District officials deal with the enormous amount of wastewater its 300,000 customers produce. They will also have the opportunity to observe the construction of the 100-million dollar Overture Center. The Overture Center will encompass new state-of-the-art theatres, art galleries, and a 2,200-seat performance hall located on State Street between the State Capitol and the heart of the UW campus. Our goal is to impress students with the admirable civil engineering projects in the recent past and inspire them to lift the profession to even greater heights in the future.

If you are interested in how you can get involved with helping organize the field trips or the many other aspects of this national conference, check out the website at: www.cae.wisc.edu/~asce150 or contact Tamara Larson at tmlarson@students.wisc.edu

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 Spring Technical Conference

Thursday, March 14, 2002

Olympia Resort and Conference Center – Oconomowoc, WI

The Southeast Branch cordially invites you to attend the 2002 ASCE Wisconsin Section Spring Technical Conference. The venue this year will be in Oconomowoc at the Olympia Resort and Conference Center.

The March Wisconsin Section Board Meeting will take place in the morning. Registration for the conference will take place at 12:00 Noon, followed by the conference itself from 1:00 – 5:00 PM. There will be a cash bar social hour from 5:00 – 6:00 PM, followed by the Dinner Program.

We owe special thanks to the Technical Committee Chairs for choosing a fine variety of technical presentations ranging from the unique structural design of the Milwaukee Art Museum's *Burke Brise Soleil* to the inspection of Milwaukee's Deep Tunnels. We are confident that there are topics of interest for everyone. In addition, Jeffery Russell will talk about ASCE's Policy 465 – Academic Prerequisites for Licensure and Professional Practice, which will affect future civil engineers and the state of our profession.

The evening presentation will be very interesting as Mr. John Gurda, a Milwaukee-born writer and historian, takes us back in time for a journey from Milwaukee's roots to the present: Made in Milwaukee – The Economic Roots of Brewtown.

Join historian John Gurda for a colorful and enlightening look at how Milwaukee has made its living over the last 160 years. From shipping wheat in the 1850's to brewing beer and tanning hides in the late 1800's to the bewildering variety of pursuits that mark our modern economy, Gurda will cover the people and products that have made Milwaukee famous.

Also, the History and Heritage Committee will be showing a series of posters in the registration area during breaks titled "The Bridges of Eau Claire." They are on loan from the Chippewa Valley Museum and were developed by the museum and the Wisconsin DOT. Conference attendees are encouraged to review the exhibit at their leisure.

Should you have any questions, please feel free to contact:

Brian M. Udovich, Project Engineer
Ruekert/Mielke
W233 N2080 Ridgeview Parkway
Waukesha, WI 53188

(262) 542-5733
(262) 542-5631 (Fax)

budovich@ruekert-mielke.com

ASCE – WISCONSIN SECTION LIFE MEMBERS FOR 2002

Fox River Valley Branch	Southeast Branch	Southwest Branch
<ul style="list-style-type: none"> ◆ <i>Carroll Halsted</i> ◆ <i>William Perpich</i> 	<ul style="list-style-type: none"> ◆ <i>Don Hiller</i> ◆ <i>David Matthews</i> ◆ <i>Fattah Shaikh</i> ◆ <i>Allen Sobczak</i> ◆ <i>Sriramulu Vinnakota</i> ◆ <i>Read Warriner</i> 	<ul style="list-style-type: none"> ◆ <i>Lynn Lauersdorf</i> ◆ <i>Richard Wetzel</i>

Spring Technical Conference – March 14, 2002

Technical Sessions - Speakers / Topics

<p>Speaker: Jeffery S. Russell, P.E. Chair, ASCE Task Committee on Academic Prerequisites for Professional Practice (TCAP³) Professor of Civil Engineering University of Wisconsin Madison, WI</p> <p>Topic: Engineering the Future of Civil Engineering – Raising the Bar Through Education, Experience, Licensure, and Specialty Certification</p>	<p>Speaker: Peter Szotkowski Affiliates Construction Services</p> <p>Topic: Harley-Davidson Product Development Center</p>
<p>Speaker: Terry Giles, P.E., G.E. Assisted by: John Siwula, P.E. & John Haertle, P.E., G.E. Giles Engineering Associates, Inc.</p> <p>Topic: Failure Case Study; Telluride, CO</p>	<p>Speaker: Karen L. Sands, AICP Thomas W. Chapman, P.E. Milwaukee Metropolitan Sewerage District</p> <p>Topic: Nonstructural Flood Management: Building a Better Future by Not Building</p>
<p>Speaker: Loei Badreddine, P.E. S.E. Graef, Anhalt, Schloemer & Associates, Inc. Milwaukee, WI</p> <p>Topic: The Milwaukee Art Museum Addition</p>	<p>Speaker: Robert D. Holtz, P.E., Ph.D. J.S. Braun/Braun Intertec Visiting Professor from the University of Minnesota (On leave from the University of Washington)</p> <p>Topic: Geosynthetics Reinforced Retaining Structures – The Standard Wall of the Future?</p>
<p>Speaker: Brian A. Roper, P.E. CH2M Hill Milwaukee, WI</p> <p>Topic: Candidates for TPC's Year 2002 Major Projects Enumeration</p>	<p>Speaker: Daniel Reid Wisconsin DOT Geologist</p> <p>Topic: Highway 151 Relocation</p>
<p>Speaker: C. Lue-Hing, N. Bhowmik, D.F. Hayes, D.D. Reible, J.W. Patterson and K.K. Lee</p> <p>Topic: An Ecosystem-Based Rehabilitation Plan for the Lower Fox River and Green Bay</p>	<p>Speaker: Bradley T. Flom, P.E. HNTB Corporation Milwaukee, WI</p> <p>Topic: The Marquette Interchange Reconstruction – Wisconsin's Mega – Transportation Project</p>
<p>Speaker: Tim Bate, P.E. – Milwaukee Metropolitan Sewerage District Tom Wagner, P.E. and Steve Hunt, P.E. – Rust/Harza</p> <p>Topic: Inspection of Milwaukee's Deep Tunnels</p>	<p>Speaker: John T. McCarthy, P.E. Graef, Anhalt, Schloemer & Associates, Inc. Milwaukee, WI</p> <p>Topic: Rooftop, Parking Lot, and Underground Stormwater Detention Systems</p>
<p>Speaker: Dr. Christopher M. Foley Assistant Professor, Dept. of Civil Engineering Marquette University Milwaukee, WI</p> <p>Topic: Fatigue Performance of Highway Sign Bridges and High-Mast Luminaire Supports</p>	

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 http://sections.asce.org/wisconsin/wi_asce.html.

Report Card for Wisconsin's Infrastructure

The Committee members working on the Report Card for Wisconsin's Infrastructure remain busy doing research, contacting various agency representatives, and writing the drafts of their Issue Reports.

We hope to cover many of the same issues covered in the National Report Card and provide a little additional insight into some issues that are more sensitive in Wisconsin. Currently, we hope to cover; roads, bridges, transit, aviation, schools, drinking water, wastewater, stormwater, solid waste, contaminated sites, energy, and lakes, rivers and dams.

The report is scheduled to be released at the Annual Meeting in September. Before release, the draft will be reviewed by an Advisory Panel and the Section Board. The Advisory Panel will be comprised of engineers recognized for their experience in a particular issue.

There is currently at least one committee member assigned to each issue. The Committee would be happy to have additional ASCE members help in the preparation of the report. We are also interested in hearing from those with the qualifications and experience to serve on the Advisory Panels reviewing the draft reports. If you are interested in helping out, please contact John Goetter (john.goetter@gasai.com) and indicate the particular area you can help with.

MARK YOUR CALENDARS!

The 2002 ASCE - Wisconsin Section Annual Meeting has been scheduled as follows:

DATE: Friday, September 20, 2002
 LOCATION: Radisson Hotel and Conference Center
 Green Bay, Wisconsin

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	(Vacant)	
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) 773-8811
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

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*Please submit all articles for the May 2002
Newsletter by April 15, 2002.*

Visit the Web Site

Visit us at sections.asce.org/wisconsin/wi_asce.html

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.

To update your personal information at any time visit www.asce.org/my_profile, or visit www.asce.org for further information.

MEETING SCHEDULE 2001 – 2002 (Updated: November 3, 2001)					
Year	Month	<i>Fox River Valley Branch</i>	<i>Southeast Branch</i>	<i>Southwest Branch</i>	<i>Northwest Branch</i>
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, Wisconsin 53204

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March 2002 Newsletter

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