



# Newsletter

**nebraska chapter**  
**american concrete institute**

PO Box 5144 Gateway Station • Lincoln, NE 68505 • [www.acinebraska.org](http://www.acinebraska.org)

## President's Message



**Tim Hegeholz**  
ACI Nebraska President

I am thinking sometimes you are just lucky you do what you do. Last December I was thinking I should clean out a 300 gallon fuel tank here at home for personal use and fill it with Gasoline which by reports was heading to \$5.00 per gallon. Glad I did not in this case. Who would have thought we would have all

the construction activity and such a warm winter and spring which should have resulted in large amounts of fuel use but prices are going down. Economists will have a reason as we all know.

What I would like to mention is that your ACI Nebraska Chapter has been active in bringing programs to you. This is where sometimes you are just lucky in what you do. If you attend you will be around some of the most knowledgeable in the field and you never know when you will need their expertise in a similar job of yours. I encourage you to watch your mail and make sure you attend whenever possible the meetings Jereme Montgomery will be setting up this late summer and fall.

I also want to thank all the volunteers who have made the ACI Certification program what it is. We have an excellent system here and last December we had ACI National here during a test and exam in Norfolk. We did very well with very few recommended changes and they can't believe how cheap we do it.

As always stay tuned in and please call us or let anyone know if you have ideas to improve the Chapter. We will be the lucky ones if you do that. Have a great summer!!!

*Tim Hegeholz*

## ACI-NE Chapter Wraps Up 2011-12 Training Season

*Technical Committee Report*  
*Submitted by Mike Willman*

The 2011 - 2012 ACI training season was completed April 19, 2012 in Kearney, NE.

The ACI Nebraska Chapter sponsored seven ACI Field Testing Technician Grade I Certification classes, with 196 examinees, and 165 certified. One ACI Strength testing class with 23 examinees and 21 certified, and two Flatwork Finisher class with 28 examinees and 25 certified. One ACI Aggregate Testing Level I with six examinees, and one Concrete Transportation Inspector with two examinees.

ACI certifications are important to the people in the concrete industry. On behalf of the ACI Nebraska Chapter, we are pleased to be able to administer this program in cooperation with NC&AA and NDOR. The ACI training program continues to be cost effective and a quality program due to the local ready mix producers and the volunteer support.

On behalf of the ACI Nebraska Chapter, I would like to thank the following for all the work they do to make this program a success: Rochelle Hitz, Leon Schaefer, and Jereme Montgomery, Nebraska Concrete & Aggregates Association; Jim Musilek, Steve Weidenhammer, Larry Schmidt, Jerry Woods, Dan Ziska, and Steve Wobken; the ACI Nebraska Chapter; and Nebraska Department of Roads volunteers.

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NEBRASKA CHAPTER**  
Chartered, December 1987

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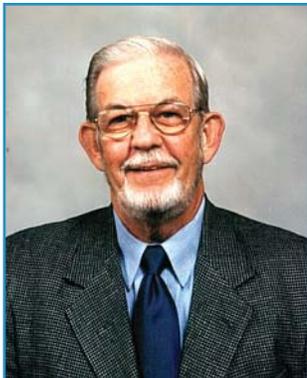
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# ACI Foundation Fellowships & Scholarships

Student Fellowships, as well as Graduate/Undergraduate Scholarships are currently being offered through the ACI Foundation for the 2013-2014 academic year.

There are many ACI Foundation Fellowship and Scholarship opportunities for ACI Student Members and E-Members. Awarded annually, ACI Foundation Fellowships and Scholarships help students with an interest in concrete achieve their educational and career goals.

**Please note: Applications will be accepted for ACI Foundation Fellowships and Scholarships for the 2013-2014 academic year from May 10, 2012 through October 12, 2012.**

For more information go to [www.concrete.org](http://www.concrete.org)



# ACI-NE *Activities*

## ACI-NE conducts ACI Field Testing Technician Certification for Students

The Nebraska Chapter of the American Concrete Institute trained 12 students to become certified to test fresh concrete at The Charles W. Durham School of Architectural Engineering & Construction. Although not part of the student's curriculum, these students proactively achieved their certification before entering their respective fields.

The innovative Durham School features the only program in the nation to combine architectural engineering, construction engineering and construction management, offering students an integrated building system education.



## **Building Code Seminar Provides Details on ACI/PCA 318-11**

On April 4, 2012, Nebraska Chapter ACI Sponsored a one day building code seminar on ACI/PCA 318-11. We had 24 attendees who included engineers, architects & specifiers.

Neal S. Anderson, PE, SE, FACI, FPCI, Concrete Reinforcing Steel Institutes and Lawrence C. Novak, SE, SECB, LEED® AP, Director of Engineered Buildings, Portland Cement Association led the seminar that focused on the new Code provisions and how to implement them correctly in our day-to-day work. Each change was explained, why it was made, and what it means to you as a designer and specifier of structural concrete.

Specific topics covered/discussed throughout the day included design, installation, and inspection of adhesive anchors, enhanced reinforcement detailing for seismic applications, new test methods for sulfate resistance, detailing of circular column ties, and test record submittal updates.

Thanks to everyone who attended & who helped to contribute to the success of the day!

Submitted by Kristi Nohavek

Special thank to all who volunteered their Saturday to help these students become ACI Certified!

- Mike Willman (WR Grace)
- Bob Matlock (Thiele Geotech Inc.)
- Keith Sedlacek (Consolidated Concrete Co.)
- Mark Abel (Ready Mix Concrete Co.)
- Andy Thiele (Thiele Geotech Inc.)
- Nebraska Concrete & Aggregates Association

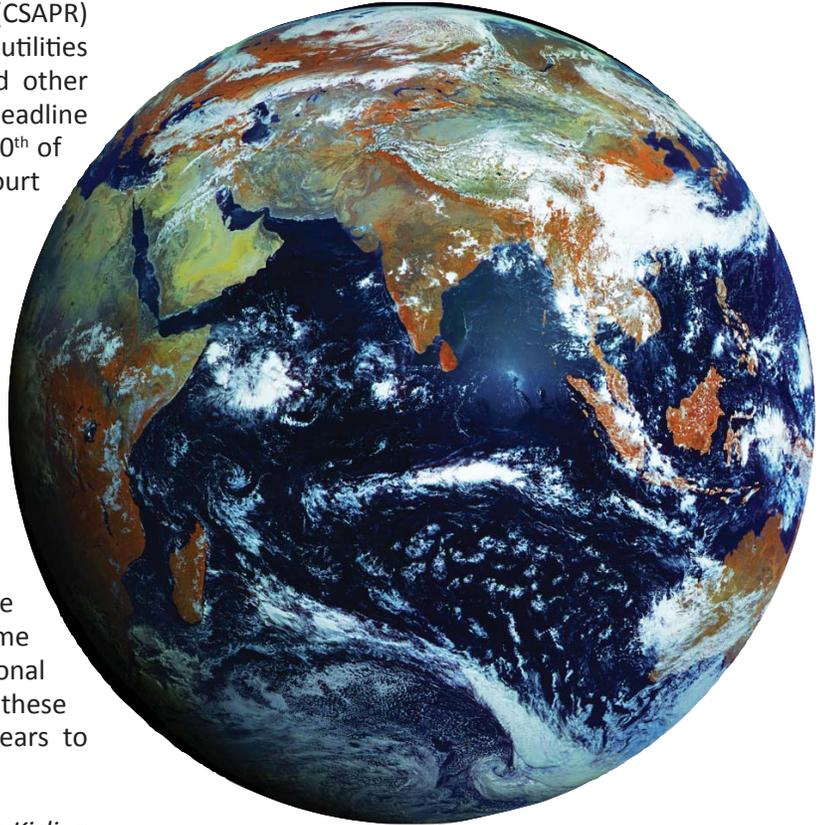


## Environmental Impacts to Fly Ash Supplies being felt

As most of you know the Environmental Protection Agency (EPA) handed down the Cross State Air Pollution Rule (CSAPR) last year catching coal fired electric generation utilities and fly ash marketers off guard. The utilities and other challengers were granted a request to delay the deadline for implementation of the rule late on December 30<sup>th</sup> of 2011 after a three judge panel of the U.S. Appeals Court in Washington reviewed the rule.

The fly ash supplies in the Midwest are tight due to a reaction to the Cross State Air Pollution Rule. Several power plants in the Midwest are installing pollution control equipment and testing chemicals in case the CSAPR is reinstated, if the current administration is re-elected. In other parts of the country some power plants have converted to natural gas eliminated those fly ash sources all together.

The EPA also is seeking implementation of the Mercury and Air Toxics Standard (MATS) sometime in 2015. This also has caused and will cause additional fly ash shortages as utilities scramble to meet these requirements raising the cost of electricity for years to come.



*Submitted by Dale Kising*

## Have Concrete - Will Travel

*66-foot concrete dock washes ashore in Oregon, may be from 2011 Japan tsunami*



June 6, 2012 -- A massive, 66-foot concrete dock mysteriously washed up on the Oregon shore this week. And officials are trying to figure out if the floating structure had traveled all the way from Japan after the March 2011 tsunami.

Local affiliate KATU reports that the dock has a placard with Japanese writing that they are attempting to translate. In addition, the station traced a phone number on the placard to a business located in Tokyo.

The Oregon Parks and Recreation Department sent a picture of the placard to the Japanese consulate in Portland for review.

"We don't know where it's from," said Chris Havel with the parks department. "We don't know if it's from Japan or not but we have to eliminate those possibilities as we go forward."

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# ACI Golf Outing a Success

The ACI Golf Outing was held at the York Country Club this year and was a success again thanks to the 48 golfers who signed up to play and the 10 hole sponsors including:

Ash Grove Cement

Thiele Geotech, Inc

Gerhold Concrete Company

BASF Admixtures

Kearney Concrete Co

Nebraska Concrete & Aggregates Association

Grace Construction Products

Nebraska Ash Co

Paulsen, Inc

LaFarge North America

Special thanks to Overland Ready Mix who sponsored the drinks this year.

## *Flight Winners*

*1st place 1st flight* – Steve Weidenhammer, Ben Ricceri, Joe Menard and Bob Menard

*2nd place 1st flight* – Kraig Kuhnel, Scott Simonsen, Paul Dravitzki and Steve Ackland

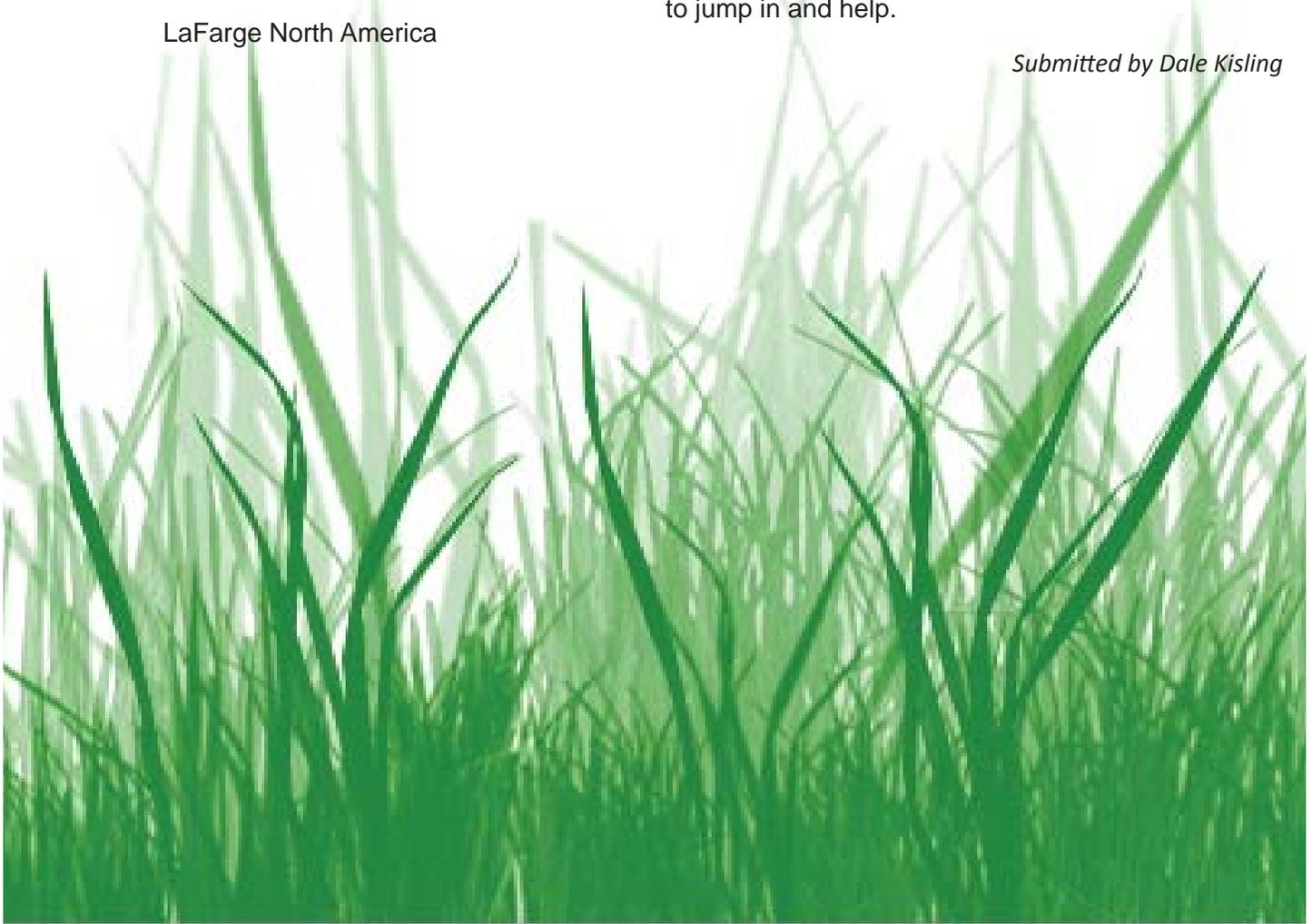
*1st place 2nd flight* – Jereme Montgomery, David Thibalt, Kevin Riley and Doug Talich

*2nd place 2nd flight* – Bill Cook, Greg Gohlman, Mark Christiansen and Dennis Smith

The ACI Chapter also added twelve new members during the Golf Outing!

I also want to personally thank all those who contributed the success of the golf outing who are board members and officers, you are always willing to jump in and help.

*Submitted by Dale Kisling*



# Montgomery and Poff Attend ACI Spring Convention in Dallas

## *A Post-convention update*

Submitted by Jereme Montgomery

Kyle Poff and I attended the ACI spring convention in Dallas, Tx. Here is a quick summary of committee updates I attended during the ACI Spring Convention.

ACI 302 "Construction of Concrete Floors" – Although I am not a member of this committee, it is always interesting to hear what is going on with slabs on grade. During the committee meeting, the members discussed many negatives (over 100) of the latest ballot to revise the 302R Guide. The research from this committee includes the investigation of curling of slab edges with and without plastic and also researching causes of delamination of slabs.

ACI 522 "Pervious Concrete" – I am a voting member of 522 and there is plenty of activity. First, I am looking forward to the revision of the 522 specification which TAC has approved committee's responses. I have heard that the draft will be published in May for public comments. Hopefully we will see the final publication of 522.1 this fall.

A couple of ASTM standards have also been approved; the standard for testing the raveling potential of pervious mixtures and the standard to test pervious concrete for hardened density and void content.

There was also a ballot to vote on "standard pervious details", which had so many negatives that the ballot was pulled and re-ballot later this year. (I was one of those negatives).

John Kevern has a task group to rewrite the main committee pervious guidelines. I am co-chair with Walt Flood to rewrite Chapter 8 Quality Control inspection and testing and also Heather Brown to rewrite the Chapter 10 on Performance. This will be a great learning experience to work with both Walt and Heather on these chapters.

ACI 332 "Residential Concrete" – The most discussed topic of this group during this meeting was the age ol' question, what strength (f'c) should be specified in exterior residential concrete? The current ACI code requires a specified minimum compressive strength of 4,500 psi. Last year, the committee voted and passed a requirement to reduce the strength to 4000 psi with a



**Kyle Poff and Jereme Montgomery,  
obviously taking care of business in Dallas**

5 inch slump. Although it passed the ballot, there were two negatives that needed to be resolved before moving the document forward. The committee resolved the two negatives with a compromise of 4,000 psi with a slump of 4 inches (before admixtures). The next step is TAC review. Stay tuned.

ACI 330 "Concrete Parking Lots and Site Paving" – This committee is working on revision of the specification for 330 which will also include a new guide for industrial and trucking facilities. The committee spent time during the convention to resolve negatives of the ballot for the specification.

Being involved with these committees gives the NC&AA a great opportunity to stay on the leading edge of these documents and gives us the ability to network with the greatest minds in concrete.





## You're Invited!

On behalf of the ACI Ontario Chapter, we would like to invite you to attend the ACI Fall 2012 Convention on October 21-25, 2012, in Toronto, ON, Canada. We are thrilled to have the opportunity to host this convention, and we look forward to welcoming you to the city we call home.

Toronto is a city of unique style and energy, and the ACI Ontario Chapter is excited to show you why. We have created a unique and educational technical program based on the convention theme "Forming Our Future." Convention highlights include the ACI Opening Session and Reception, Student Egg Protection Device Competition, and the Concrete Mixer at the Royal Ontario Museum. In addition, you can look forward to a variety of technical sessions, networking opportunities, and a guest program with tours of historical and local landmarks that you do not want to miss.

We are sure you will find the ACI Fall 2012 Convention to be a valuable opportunity to contribute your expertise to the industry, a place to learn about the latest advances in concrete technology, and a place to develop relationships with the world's leading concrete professionals. We look forward to seeing you all in Toronto, ON, Canada, October 21-25, 2012!

Alain Belanger  
Co-Chair, ACI Ontario Chapter

Bart Kanters  
Co-Chair, ACI Ontario Chapter

## Have Concrete - Will Travel

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Even if the dock did travel thousands of miles to reach the shores of Oregon, it did not defy physics to get there. While the structure is nearly 70 feet long, 7 feet tall and 19 feet wide and made of concrete and metal, it was also reportedly designed to float.

The dock was first spotted floating offshore but has now made its way to land. Kirk Tite was walking along the beach on Tuesday with his two sons and described the dock as a "massive hunk of concrete and metal covered in sea creatures." They also found a Japanese symbol and imprint on tires attached to the dock, although those could simply indicate that the tires themselves were made in Japan.

"It says Shibata, Japan, which could mean it was made in Shibata, Japan, but it could also be from Shibata, Japan," Tite said.

KATU says that after officials determine the dock's origin, the parks department will either have it towed back to sea or dismantled on land.



*Who says concrete  
isn't made to last?*



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