



NEWSLETTER

PRESIDENT'S MEMO

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This is my final President's memo. The year went fast! We had a goal of making the Website more user friendly this year. Only those who use it can grade us on this issue. The Georgia ACI Certified Concrete Finishers are now listed there and the monthly newsletters are posted as they are issued. Those who register for the Chapter luncheons are up to about five percent of attendees. This is a start. We haven't had a significant increase in attendance this year but it is holding strong.

We have had good programs this year although we had to cancel the February meeting due to bad weather. The Skipper Seminar and Golf Tournament were a success. We plan to video record our annual Seminar for broader dissemination and refine the annual Awards Program to accommodate the growth while streamlining the ceremony.











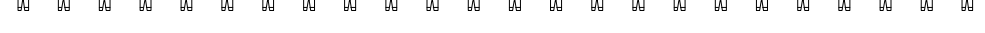
Y'all will be receiving a ballot for the election of Chapter Officers at this time. Please participate in this important election by voting promptly and returning the ballot via fax or mail. The ballot MUST have your signature to be valid. I am looking forward to the Annual Meeting on December 17th to pass the gavel to my successor!

Remember, **"progress through knowledge"**.

Mel Galinat, 2004 Chapter President

2004 BOARD OF DIRECTORS:

- President:
 Mel Galinat, Consultant
- Vice President:
 Jami Taylor, Lafarge, NA
- Secretary/Treasurer:
 "Sam" Morris, Georgia Concrete & Products Association
- Directors:
- Jay Howard, Lehigh Cement Company
 - Gary Knight, Holcim (US) Inc.
 - Frank Lennox, Buzzi Unicem
 - Nick Maloof, Thomas Concrete Industries
 - Wayne Wilson, Holcim (US) Inc.
 - Joe Wolfe, W. R. Grace & Company


 **NEW MEMBERS** 
 Please help us welcome the following new chapter members:
 **BILL GREGG** **J. TODD JACKSON, P.E.** **JARED C. WHITEHEAD**
 **ALERTMAT** **S&ME, INC.** **QORE PROPERTY SCIENCES**
 **Marietta, GA** **Kennesaw, GA** **Duluth, GA**
 **ADAM D. MARR** **STEVEN R. HEETER** **CHRISTOPHER WALKER**
 **S&ME, INC.** **MACTEC** **LAFARGE NORTH AMERICA**
 **Kennesaw, GA** **Atlanta, GA** **Alpharetta, GA**


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SPONSOR-A-STUDENT

To date, we have received pledges from the following members to help sponsor Student membership to ACI International and for Student Lunches.
W. R. Grace (Joe Wolfe), Denis Kearney, Metromont Corp. (Harry Gleich), Pruitt Eberly Stone (Michael Planer), and Thomas Concrete (Nick Maloof) 11—Student Sponsorships and 18 Lunches.
 Once again, Thank you for your continued support of our Students!

UPCOMING EVENTS

ACI Seminar
December 13, 2004
"Troubleshooting Concrete
Construction"
Sheraton Buckhead Hotel
Atlanta, Georgia
Contact: Member Services:
248-848-3815

ACI Chapter Holiday Meet-
ing/Reception
December 17, 2004
"Installation of New Officers &
Directors"
Sheraton Buckhead Hotel
Atlanta, Georgia

ACI Awards Banquet
January 27, 2005
Sheraton Buckhead Hotel
Atlanta, Georgia

ACI February Meeting
February 25, 2005
Sheraton Buckhead Hotel
Atlanta, Georgia

ACI March Meeting
March 25, 2005
Sheraton Buckhead Hotel
Atlanta, Georgia

**NOTE: RECEPTION
SPONSORS WILL BE
ANNOUNCED IN OUR
NEXT NEWSLETTER -
AND ALSO AT THE DE-
CEMBER MEEETING.
Your support
Is greatly appreciated!**

November Chapter Program

We had forty-two in attendance to hear a program by Chapter member Jeff Speck, Vice President of Big River Industries. Jeff's presentation was, **"Everything You Always Wanted to Know About Lightweight Aggregate, And Then Some"**. Jeff began with a definition of commercial lightweight concrete aggregate as opposed to natural low-density materials such as vermiculite and pumice. He described it as "expanded" shale and/or slate that is produced by heating in a kiln at 2000 degrees Fahrenheit. It is further technically defined in ASTM C 330 and C 331 Specifications. He informed us that Steven Hayde was the first to fire these materials in a kiln to dry them and discovered that the density was reduced in the process.

Lightweight aggregate [LTWA] is consumed in concrete masonry units [blocks] for fire resistance, energy savings, sound absorption and increased mason productivity. LTWA is also used as geotechnical fill for its low density, high Phi angle of repose, low lateral pressure and reduced settlement. Structural concrete applications rely on LTWA for fire resistance, reduced dead load, transportation economies and reduced floor to ceiling height in buildings that produce HVAC savings. The unique physical properties of LTWA can be attributed to its "vesicular" nature. There is a dense ceramic matrix encapsulating voids that results in high porosity but low permeability. LTWA also bonds



(Left) Jeff Speck,
VP, Big River Industries, Al-
pharetta,
(Right) Jami Taylor, Lafarge-
Vice-President, GA Chapter
ACI, Inc.

better to cement than normal aggregate and has a "strain" compatibility with cement in concrete that reduces microcracking during curing. Jeff explained that curing of the cement/normal aggregate interface develops stress due to the differential "stiffness" of the two materials. He said this stress leads to microcracking and reduced permeability, whereas the LTWA has similar stiffness to cement and this stress does not occur. It is also notable that in a split tensile cylinder test the LTWA concrete cracks THROUGH the aggregate whereas the normal concrete cracks AROUND the aggregate.

Jeff concluded by showing some prominent projects wherein LTWA was used, one of which demonstrated the blast resistance of a munitions storage building.

ACI ROUND TABLE HELD IN TAMPA, FLORIDA

This past month I had the opportunity to attend the 2004 ACI Chapter Roundtable. There were over 20 chapters represented from Kalamazoo to San Juan and everywhere in between. It was a great forum to share ideas and learn something from other ACI chapters. It was a free and open exchange that resulted in many good ideas from all who participated. I and all who attended commented to each other at the conclusion of the meeting that we all had something to back with us to make our chapter stronger.

Although, I must admit the best thing about the trip was the opportunity to gloat. We are very fortunate here in Georgia to have a chapter with such tradition and participation. Thanks to people like "Sam" Morris, local chapter members and past presidents we are step ahead of the rest.

So let's keep up the good work and keep the Georgia Chapter strong, so the next time ACI has a Chapter Roundtable we can once again prove that we are the best.

Jami M. Taylor, 2004 Chapter Vice-President

2005 MEMBERSHIP APPLICATION

Name: _____

Company: _____

Title: _____

Address: _____

City: _____ State: _____ Zip: _____

Office Phone: _____

Office Fax: _____

Home Phone: _____

E-mail address: _____

Professional Category: (Check one)

- Architect
- Contractor
- Engineer
- Student - Name of School: _____
- Affiliate
- Other: _____

Are you an ACI International Member: Yes No

If yes, date joined National: ____ If yes, Committee Membership:

Sponsored By: _____ Date Joined: _____

- NEW MEMBER
- DUES RENEWAL

Please complete application and mail with your \$25 check to :



Georgia Chapter, ACI
 100 Crescent Centre
 Parkway, Suite 110
 Tucker, Georgia
 30084
 (770) 621-9324
 FAX: 770-621-9380

You may use this form to sign up a new member!

**Annual
 Dues:
 Only
 \$25.00**

MEMBERS WANTED...
 Members!

We need more members. One of the sections on the Annual Report covers points for membership. We did not lose any points for last year but we did not gain any. Ask your friends and fellow workers to join. We need to gain members this year.

Thank you.



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 Summer Issue
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Editor: Mel Galinat

Comments? Contact Mel at
mgalinat@mindspring.com

Georgia Chapter Offices:
 100 Crescent Centre
 Parkway - Suite 110
 Tucker, Georgia 30084

Georgia Chapter, ACI
 100 Crescent Centre Parkway
 Suite 110
 Tucker, Georgia 30084

We're on the web!
www.georgiachapteraci.org

DECEMBER MEETING

- RECEPTION:** **ALL MEMBERS INVITED TO ATTEND**
- PROGRAM:** "INSTALLATION OF NEW OFFICERS AND DIRECTORS "
- DATE:** *December 17, 2004*
- TIME:** *11:30 a.m.—Registration and Reception*
12:15 p.m.—Luncheon
- LOCATION:** *Sheraton Buckhead Hotel , (See Reader Board)*
Atlanta, Georgia
- PRICE:** *\$25.00 - Pre-registered*
\$10.00 - Students
\$30.00 - Walk-ins and No-shows
- RSVP:** **To RSVP, please call "Sam" (770) 621-9324 BEFORE 4:30 pm on**
WEDNESDAY, December 15, 2004
- NOTE:** *If you fail to call in prior to the deadline, or do not show for the luncheon, you will be charged \$30.00.*