

SEPT '02



STAMPED IN CONCRETE

Newsletter of the American Concrete Institute, Inc., Northern California & Western Nevada Chapter, Inc.

2002-2003

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CLIFFORD CRAIG

Certification

RICK REED

Construction Awards

(Chair open)

Education

DOUGLAS YEGGY

Membership

TOM CARTER

National/Chapter Liaison

**DEAN BROWNING/
BRUCE CARTER**

2004 Convention Co-Chairmen

DAVID BAKER

Programs

JOHN COMPOGINIS

Public Relations

AKTHEM AL-MANASEER

Student Activities

RICK HYDEN/BOB O'NEILL

Technical

JOHN COMPOGINIS

Newsletter

September 10, 2002 Chapter Meeting

Tuesday: September 10, 2002

Location: Spenger's Fish Grotto • 1919 Fourth Street • Berkeley

Social Hour: 6:00 p.m. • Dinner: 7:00 p.m. • Program: 8:00 p.m.

**Price: \$30.00 Choice of Entrees
Roast Sirloin of Beef or Grilled Salmon**

Program: "Rebuilding the Hetch Hetchy System"

**Reservations: Deadline Noon on Thursday, September 5!
Please call 800-753-7711 or email
tallured@goldrush.com -- ASAP!**

Board Meeting: September 10 at 3:30 p.m. • Spenger's Fish Grotto

Program: Rebuilding the Hetch Hetchy System

Our program will feature Boon Lim and Anna Wong from the City and County of San Francisco Utilities Engineering Bureau.

Lim and Wong will discuss the coming ten years of construction on the Hetch Hetchy Water and Power System – with a budget of over \$2,000,000,000 (that's \$2 billion). Spread the word to contractors who could benefit from attending this presentation.

The Hetch Hetchy water supply system is managed by the San Francisco Public Utilities Commission. It brings water from the Yosemite area to the Bay Area. The Hetch Hetchy system serves the 750,000 residents of the City of San Francisco and also serves 1.7 million people in San Mateo, Santa Clara, and Alameda Counties.

Portions of the Hetch Hetchy system are antiquated and vulnerable to earthquake damage. All of the water passes through a single tunnel in the East Bay. There is no redundancy in the system to carry water if the tunnel or the pipes leading to the tunnel are damaged. Studies estimate that many areas could be without water for as long as 60 days following a major earthquake.

Construction Awards Entry Deadline September 27!

Regatta Reservations Form Included in This Newsletter

Saturday, September 28th is the date. Please contact Cliff Craig at DCI 650 967-6982 for sponsorship information and if you have questions. See you there!!!

President's Message: A Wake Up Call to Achieve Our Goals

I would like to thank the members of the Chapter for their confidence in allowing me the privilege of serving as your President for the 2002-2003 year. It is truly not only a privilege, but also an honor to have this opportunity. With your help I am sure it will be an exciting and fulfilling year for our Chapter.

Needless to say this last year served as a wakeup to each of us to make every day special and achieve those goals that we have established for ourselves. With this in mind I would like to establish some goals for our Chapter this year, the first being to continue our Past President's desire to improve membership. This committee will continue to be competently chaired by Doug Yeggy and I am confident that each of you will support him, to help bring in young people to our Chapter. Our past National President, Dan Baker, reminded us at our June meeting of the benefits each of us receives by belonging to ACI. We all know of at least one new potential member we can bring in this year. Please ask your good customers to join you and have the opportunity to experience what ACI offers.

Secondly having served as Program Chairman last year I am sensitive to the need to have quality programs for our meetings. Please help our new VP and Program Chairman, Dave Baker, to insure that we have those programs you desire. Dave is open to suggestions and would welcome the input from the membership.

Lastly, I would like to continue our fund raising efforts for our 2004 Convention. With a budget of \$200,000 to raise we need everyone's help in order that our Centennial Meeting is successful. I am sure I can count on each of you to help insure our 2004 Fundraising Chairman, Al Kaufman meets the financial goal.

Again, thank you for your confidence, congratulations to the new Board and Committee Chairs, and I look forward to a great year for the Northern California/Western Nevada Chapter.

Sincerely,

Mac

W.J. McClelland, President

SEPTEMBER TECH TIP: Preventing Concrete Blistering

By Tom Carter, Technical Services Manager, Teichert Concrete Products

On occasion during the concrete finishing process, blisters can form on the surface of concrete that can be a concern to contractors. These blisters appear as low-profile bumps, usually $\frac{3}{4}$ " to 3" in diameter, and can have a negative effect on the surface quality of the concrete. They are usually created by premature finishing of the concrete. This occurs when the concrete appears ready to finish, either due to rapid surface evaporation of bleed water, or because of the use of air entrained concrete. In either case, premature finishing can trap residual bleed water or entrapped air under a dense "skin" of mortar. This blistering may not become apparent until well into the finishing process.

• ***Blistering can be caused by:***

- 1) A mix having excessive fines (material passing the #30, #50, and #100 sieves) that cause the plastic concrete to be sticky and easy to seal during trowling.
- 2) Insufficient compaction of the concrete that leaves behind entrapped air that can migrate and become trapped near the surface of the concrete during finishing.
- 3) Finishing when the concrete is still spongy. The surface of the concrete may have lost its sheen due to rapid evaporation, but the underlying concrete is still plastic.

• ***To minimize the occurrence of blistering, consider the following:***

- 1) Avoid using mixes with "high fines" content, particularly sands with excessive amounts of material passing the #30 through #100 sieve sizes.
- 2) During hot weather, use an evaporation retardant or liquid surface membrane (spray on type) to reduce rapid evaporation of bleed water from the surface of the concrete.
- 3) Avoid mixes with high air contents or excessive slump.
- 4) Avoid placing concrete directly on a vapor barrier (poly sheeting). Always cover vapor barrier with a granular fill before placing concrete.

Ref: ACI 302.1R-96, "Guide for Concrete Slab and Floor Construction."





THE AMERICAN CONCRETE INSTITUTE
Northern California and Western Nevada Chapter

CERTIFICATION COMMITTEE SCHEDULE for FIELD TECH 1 TRAINING

SEPT. 7/14 SACRAMENTO (TEICHERT) *SOLD OUT*
 OCT. 12/19 STOCKTON (TEICHERT) *SOLD OUT*
 NOV. 9/16 SAN RAMON (RMC PACIFIC)

LAB TECHNICIAN GRADE I EXAM
 SEPT. 21 SITE TO BE ANNOUNCED
 OCT. 26 RENO AREA (NDOT)

APPLICATION FOR GRADE 1 FIELD TESTING TECHNICIAN CERTIFICATION, 2002

Name: _____ Session Date: _____
 Company: _____ Session Location: _____
 Address: _____ Indicate Course:
 _____ Two-day Course \$255.00
 _____ Recertification \$255.00
 Telephone: (Day) _____ Retest \$155.00
 (Eve) _____ Concrete Strength Testing
 Exam Only \$275.00
 Fax: _____ Lab. Tech. Grade 1
 Exam Only \$400.00

Total Fee Enclosed: \$ _____

• Applicants must be able to lift 50 lbs. •
 Class and test time typically 8 am to 4 pm
 Dress appropriately for concrete testing.
 Concrete Strength Testing and
 Certified Laboratory Technician exams
 will be available depending on demand.

When your check is received,
 your place in the class will be reserved.
 You will then be notified of the
 confirmation of your reservation and
 the class schedule.

Notice: Fees for “no shows” are forfeited and are NOT REFUNDABLE without five-day notice prior to the session date.

Make checks payable to: Northern California & Western Nevada Chapter, ACI

Mail checks & make inquiries to: Ted Allured Phone: 800-753-7711
 444 Oak Place Fax: 209-754-1559
 San Andreas, CA 95249 tallured@goldrush.com

Sept. 10 - Monthly Meeting Features New Hetch Hetchy Construction
Sept. 27 - Deadline for Construction Awards Entry Form
Sept. 28 - 21st Annual Concrete Industry Regatta

ADDRESS CORRECTION REQUESTED



444 Oak Place
San Andreas, CA 95249

Northern California & Western Nevada Chapter

Use Our ACI Chapter Library Resources at San Jose State University

The Chapter Library is now in a user-friendly environment at the College of Engineering at San Jose State University in the care of Akthem Al-Manaseer. The resources in our library are available to every chapter member. *Contact Akthem at (408) 924-3860 to learn more about the excellent work that been's done recently in organizing the resources.*

ACI Webs - Local (www.aci-ncawnv.org) International (www.aci-int.org)

If you have not visited our local Chapter's website, you are missing out. There is an amazing amount of information available. ACI International's website also provides a variety of important information.

ACI Scholarships Available for High School & College Students

Our scholarships are available to all ACI Chapter members' families. Eligible students include High School graduates who are going on to college and those who are graduating from a Jr. or Community College and going on to a four-year school. Currently enrolled college students are also eligible. *Please contact our Executive Manager Ted Allured at 800-753-7711 for more information.*



Concrete Industry 21st Annual Island Regatta

FOR: ACI Northern CA & Western NV Chapter Members, Associates & Friends
DATE & TIME: September 28, 2002 -- 11:00 a.m. (Saturday)
LOCATION: Angel Island, San Francisco Bay
FOOD: Barbecued "Beasts" and trimmings will be provided
BEVERAGES: Beer, wine, soft drinks and water will be provided
COST: \$20.00 per person (includes official Island Regatta Cap & Polo Shirt)

This annual event begins by joining the crew of a water craft and braving the open waters of that strange fog bound inlet known as San Francisco Bay in search of the paradise of Angel Island (for some, it will be paradise just to get off the boat). Once landing on the Island, it will be claimed (temporarily) in the name of concrete (and other things that get hard and crack) and a great feast of barbecued beasts will be provided to celebrate the event.

For those who prefer, there is transport to the Island by means of the Ferry from Tiburon. Schedule information can be obtained by calling Angel Island Service - (415) 435-2131. Service may also be available from Alameda, Oakland, San Francisco or Vallejo - check your local listings.

Needed planning makes your **RSVP** imperative by **September 20, 2002**. Fill out and return the form below so we can coordinate yachts, captains and crews. Please read and sign the back of this form. This event is not being sponsored by any group or organization, but is simply for the pleasure of those attending.

Island Regatta polo shirts are again being provided by various sponsors. Thanks to these firms, we are able to reduce the cost of the event to \$20.00! Any interested sponsors should call Cliff Craig.

NAME: _____ HOME PHONE: _____

COMPANY: _____ OFFICE PHONE: _____

____ Yes, I would like to enter my "yacht" in the Island Regatta.

Boat Type: _____ Name: _____

Boat docked at: _____

I can and will carry _____ crew members. They should be at the above dock by _____ AM in order to reach Angel Island by 11:00 AM.

____ Yes, I would like to be a crew member.

Home Address: _____

Home Phone: _____ Business Phone: _____

____ Polo Shirts (mens sizes) small _____ med. _____ large _____ X large _____ XX large _____

____ Enclosed is \$ _____ for myself and \$ _____ for my guests.

Make checks payable to **Clifford N. Craig**, Regatta Chairman. Please return the bottom half of this form by **SEPTEMBER 20, 2002** to **Clifford Craig, c/o Dynamic Consultants, Inc., 415 Fairchild Dr., Mountain View CA 94043-2216**
 Phone: (650) 967-6982 Fax: (650) 967-6955

Please read and sign the back of this form.