

SEPT '02



# STAMPED IN CONCRETE

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

2002-2003

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ACI Chapter

[www.aci-ncawnv.org](http://www.aci-ncawnv.org)

ACI International

[www.aci-int.org](http://www.aci-int.org)

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**MICHELLE CRAIG**

**DAVID RAINEY**

*Committee Chairpersons*

**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

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## 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

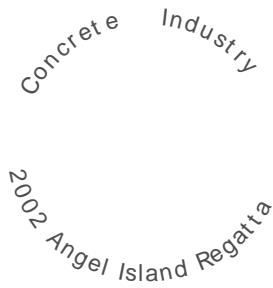
The Chapter Library is now in a user-friendly environment at the College of Engineering at San Jose State University in the care of Akthem Al-Manaseer. The resources in our library are available to every chapter member. *Contact Akthem at (408) 924-3860 to learn more about the excellent work that been's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

## ACI Webs - Local ([www.aci-ncawnv.org](http://www.aci-ncawnv.org)) International ([www.aci-int.org](http://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: \$20.00per person(cludes 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 inle Slomn Francisco Bay in search of the paradise of Angel Island (for some, it will be paradise just to get off the boat). Once 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 barbeque provided to celebrate the event.

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

Needed planning makes you a VSP 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 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