

2004 MATHCOUNTS NATIONAL COMPETITION

Rowena Blaisdell, Hawaii State MathCounts Coordinator reported that the Hawaii team placed 19th out of 57 MathCounts National Competition teams. She said the team did very well representing Hawaii. Eighth grader Aaron Fong of Iolani placed the highest of the Hawaii team members placing 48th out of 228 Mathletes. The Hawaii team included Steven Bartz and David Clifton of Punahou School and Aaron Fong and Robert Shimizu of Iolani School. Their coach was Li Ann Wada of Iolani School.

Ms. Blaisdell added that while the Hawaii team worked hard in the competition, they also had fun sightseeing in the U.S. Capital. They visited U.S. Senator Daniel K. Akaka and were impressed with the new International Spy Museum located on F Street, NW at 9th Street, NW.

The National Competition moved from last year's Chicago Marriott Downtown Hotel site back to the nation's Capital, Washington D.C. It was held on May 6-9 at the luxurious and historical Omni Shoreham Hotel on Calvert Street

Engineering Survey on Traffic Signals, Safety, Level of Service and Motorist Behavior

Graduate students in transportation at the College of Engineering are doing various projects on understanding drivers and improving traffic congestion. They have developed a questionnaire survey on the web. The survey is completely anonymous and focuses on how motorists rate congestion and safety at intersections with traffic lights. All engineers, architects, surveyors and their families and friends are invited to take this the survey by clicking on this link: <http://traffic.eng.hawaii.edu/survey/hces.php?name=hces> (Please do not retake the survey if you have taken it in the past.)

The results of the statistical analyses will contribute to the ways engineers evaluate and improve traffic light operations in Hawaii and the nation. The results from respondent opinions may facilitate prioritization and implementation plans for improving traffic conditions on Oahu.

at Connecticut Avenue. The actual competition was held on Friday, May 7, with the written competition including the Sprint Round, Target Round and Team Round held from 8:45 a.m. to 11:15 a.m. The Countdown Round with the top 12 individuals was held from 4:30 p.m. to 6:00 p.m. This tense one-on-one oral problem solving competition determined the National Champion, and this year's winner was Gregory Gauthier of Illinois. Second Place Individual went to Jeffrey Chen of Texas, and 3rd and 4th Place Individuals were to Haitao Mao of Virginia and Sam Elder of Colorado, respectively.

In the team competition, first place honors went to the team from Illinois. The California team came in second, with the Indiana team third.

The Awards Ceremony & Banquet for this 21st MathCounts National Competition was held Saturday evening with the National Champion, Gregory Gauthier, receiving an \$8,000 college scholarship, courtesy of General Motors Foundation; a trip to U.S. Space Camp, courtesy of NASA; and a notebook computer, courtesy of General Motors Foundation. In addition, he received another

\$8,000 college scholarship, courtesy of Motorola Foundation as the Written Round Champion. Jeffrey Chen received a \$6,000 college scholarship, courtesy of General Motors Foundation for 2nd Place Individual. He also received another \$6,000 college scholarship, courtesy of Motorola Foundation as Written Round Runner-up. Haitao Mao and Sam Elder each received \$4,000 college scholarships, courtesy of Motorola Foundation. The first place team members from Illinois each received \$2,000 college scholarships, courtesy of Motorola Foundation, along with trips to the U.S. Space Camp, courtesy of NASA, and notebook computers, courtesy of General Motors Foundation.

This year 228 participants from 57 teams showed up at the Omni Shoreham Hotel. These included teams from the 50 states plus teams from the Department of Defense, the District of Columbia, Guam, Northern Mariana Islands, Puerto Rico, the State Department, and the Virgin Islands.

The MathCounts National Sponsors are General Motors Foundation, Lockheed Martin, National Aeronautics and Space Administration, Texas Instruments Inc., and 3M Foundation. The Founding Sponsors are CNA Foundation, National Society of Professional Engineers, and National Council of Teachers of Mathematics. The Honorary Chairman is Lawrence D. Burns, Vice President, General Motors Research & Development and Planning.

ESPN2 will be televising an hour-long program on the event at noon EDT June 3, 2004. The program will focus on the drama of the Countdown Round, highlighting the energy and excitement of the Mathletes as they test their math skills. It is recognized that similar to preparation for athletic events, Mathletes spend months working with a coach to practice and prepare for the MathCounts Competition events.

The Hawaii Chapter MathCounts Coordinators are Larry Dill, Kauai Chapter; Carolyn Witcher, Big Island Chapter; Wendy Taomoto, Maui Chapter; and Rowena Blaisdell, Hawaii State. Visit the MathCounts Web Site, www.mathcounts.org, to learn more about this nationwide math enrichment and competition program for 6th, 7th and 8th grade students.



The Hawaii Team: L-R: David Clifton, Robert Shimizu, Steven Bartz, Aaron Fong, and Coach Li Ann Wada.



Published monthly by:

HAWAII COUNCIL OF ENGINEERING SOCIETIES

SERVICE PRINTERS, INC.

1829 Dillingham Boulevard • Honolulu, HI 96819
Telephone: (808) 841-7644 • Fax: (808) 847-1487

ADDRESS ARTICLES FOR PUBLICATION TO:
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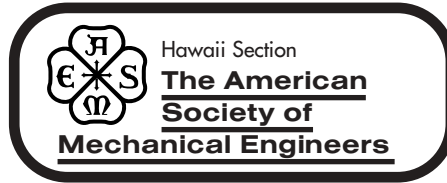
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HAWAII SECTION COMBINED COMMITTEES & POWER TECHNICAL CHAPTER MEETING

Date: Tuesday, August 3, 2004
Time: 5:30 p.m. to 6:30 p.m.
Place: Hawaiian Electric Company, Inc. Ward Avenue Cafeteria

All members are invited and asked to attend. Members are always welcome. The Officers and Directors of ASME-HI look forward to seeing new and familiar faces. Naturally, we are constantly seeking help from the membership to fill the committee positions and with program ideas. In addition, we are having a Power Technical Chapter meeting to discuss programs for next year. Lots of free pizza and pop are always provided. Please contact Ray Liu or Sam Gillie for directions and more information. For Power Chapter questions, please contact Ed Chang.

ISIS HAWAII ONE+ONE PROGRAM

Isis Hawaii is seeking women Mechanical Engineers for their program this fall to mentor female students. Mililani High School, in particular, needs on-site as well as online mentors for their robotics competition and has requested women mentors for their female students who are interested in engineering. Please visit the isisHawaii web site at www.isishawaii.org for more information.

NEW 125th ANNIVERSARY LOGO

ASME-HI will be using the new ASME anniversary logo for the next two years instead of the traditional ASME cloverleaf logo, which stood as a symbol of the Society since 1880. Founded in 1880 as the American Society of Mechanical Engineers, and most recently known as ASME International, ASME currently stands as a 120,000-member professional organization focused on the technical, educational and research issues. The new ASME logo will emphasize the convergence of engineering disciplines. Before there were mechanical, civil, electrical, chemical and other specialized disciplines, there was only

EAAUH Annual General Meeting:

Planning for the general meeting is underway; please visit our website at www.eaauh.org for more information.

2004 EAAUH Golf Tournament:

The tournament will be held at the Pearl Country Club on Friday, July 30, 2004. Volunteers are also needed. If you would like to help, please contact Matt Fujioka (mkf@akinaka.com) or Stacie Kaneshiro (Stacie.Kaneshiro@hickam.af.mil) for more information.

Congratulations to the spring 2004 College of Engineering graduates!

one: engineering.

NEW ASME-HI WEB SITE ADDRESS

ASME section web pages hosted by ASME has migrated to a new hosting environment. Ultimately, this environment will enable more functionality for those pages. The changes will improve the operation of both ASME.ORG and the section web pages. Please make the necessary changes on your computer. Our new web address is sections.asme.org/hawaii. To ensure that our web visitors can locate our new web address, ASME will supply an automatic redirect that 1) Notifies the visitor of the new web address and, 2) Automatically redirects them to the new site location.

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(continued on page 7)



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HAWAII SFPE SEMINAR PRESENTATION

FUNDAMENTALS OF FIRE ALARM SYSTEMS

The Hawaii Chapter of the Society of Fire Protection Engineers is sponsoring this special two-day seminar through a special arrangement with the Carmel Fire Protection Associates.

Sponsored by: Hawaii Chapter, Society of Fire Protection Engineers

Date & Time: June 15 & 16, 2004; 7:30 AM - 5:00 PM

Location: Hale Ikena, (Fort Shafter Golf Clubhouse)

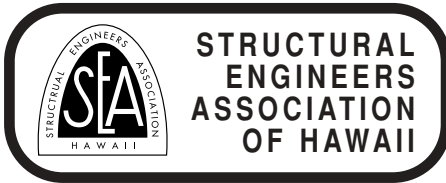
Cost: \$225 (\$175 for SFPE members, Chapter Friends, & fire service personnel)

Deadline: The registration deadline is Friday June 11, 2004

Who should attend: Fire Protection Engineers, Electrical Engineers, Fire Alarm Installers & Suppliers, Building & Fire Officials, Fire Inspectors, and Insurance Loss Control Representatives.

For information and to register contact:
Sam Dannaway, Program Chairman Hawaii Chapter SFPE

Tel (808) 526-9019 / Fax (808) 537-5385
E-mail: seminars@sfpedahawaii.org



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HIGHLIGHTS OF BOD MEETING

05 May 2004

New Business:

SEAOH has undertaken a review of "City and County of Honolulu Chapter 2 - Permit Processing" and the "County of Hawaii Sections 106 and 108 Amendments" proposal to allow an exception to the plan review and construction inspections ordinarily done by the building division.

Gary Chock attended the BOD meeting to briefly discuss SEAOH's proposed revisions to both the Chapter 2 - Permit Processing regarding the "Third Party Review" and County of Hawaii Section 106 and 108 Amendments regarding a self certification process and SEAOH's addition of an "Optional Third Party Review" process. The BOD generally agreed with the proposed revisions. The County of Hawaii Section 106 amendments included a self certification process for the review of plans and specifications for R-3 and U occupancy structures. This self certification process would be denoted by a waiver by the building official when the architect or professional engineer submits a written request to the Building Department.

SEAOH's proposed revisions to the City and County of Honolulu Chapter 2 - Permit Processing includes revisions to the "Third Party Review" section. This section establishes qualifications and requirements for certification of third party reviewers of submittal documents and sets forth the process for third party reviews of plans and submittals for building permit applications. SEAOH's proposed revisions to the County of Hawaii Sections 106 and 108 include the addition of an optional process for review of submittal documents by a third party review as discussed hereinbefore.

SEAOH will not support the self certification process code amendment as proposed in County of Hawaii Section 106 in its current form because of the potential abuse and nonconforming designs, lack of an objective and independent review, and lack of County inspections of construction. SEAOH feels that public safety is best served within a system that maintains independent checks for compliance to codes and regulations. SEAOH's position on this issue will be posted on the website.

New Member Applications:

Received member applications from the following people:

Hongtao Qu - Englekirk Partners Consulting Structural Engineers, Inc., applied as an Allied member.

Saeid Pourjalali - KAI Hawaii, Inc., applied as an Allied member.

(continued on page 7)



HAWAII CHAPTER

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General Membership Update

On May 18, the Chapter had a general membership lunch meeting at the Pagoda Restaurant. The topic was a new sheathing product called Viroc, a non-combustible, termite-resistant, floor sheathing being used particularly in the commercial building sector. The event was largely subsidized by Viroc. Presenters were Rob Tucker, President of Castlblock, and Pierre Genest, Superintendent for Steel Truss Systems, and they spoke about the product and recent installations of the sheathing material.

The upcoming months should prove to be very informative for the local membership. Our program committee is working fastidiously to bring in two light gauge steel experts from the mainland in the upcoming months. We are working on an agreeable date with Dr. Reynaud Serrette from Santa Clara University to present his latest research on light gauge steel shear walls and other topics. We are also excited about the possible return of Pat Ford, of Matsen-Ford Engineers in Wisconsin, to discuss his experience with load bearing LGS low and mid-rise commercial projects. We are also working with Dr. Ian Robertson from UH at Manoa to set up a presentation upon completion of his load bearing top plate research. Tentative dates for these events are July 16 for

(continued on page 5)

CONCRETE SLABS ON GROUND Avoid Curling & Shrinkage Problems

Sponsored by Cement and Concrete Products Industry of Hawaii
and Structural Engineers Association of Hawaii

This seminar will feature the potential serious and costly issues of curling and shrinkage in concrete floors and pavement that face designers, contractors, owners and installers of concrete floor and floor covering materials.

Tuesday, June 29, 2004, from 8:30 am to 3:30 pm (registration at 8 am)
Pagoda Hotel, 1525 Rycroft Street, Honolulu.

Featured speaker is Jerry Holland. Mr. Holland has 35 years of professional experience in structural engineering for food processing plants, warehouses, distribution centers and other facilities, and is an active member of many ACI structural committees.

Registration fee is \$85.00 per person. Registration includes lunch and handouts.
Class size is limited. Registration deadline is June 22, 2004.

For additional information or to register, call CCPI at 848-7100



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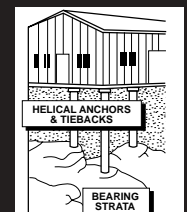
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JUNE DINNER MEETING

Program: "Ocean Thermal Energy Conversion (OTEC) – Status of Systems Technology", Dr. Hans J. Krock, Ph.D., P.E., President, OCEES International, Inc., Professor of Ocean & Resources Engineering, University of Hawaii at Manoa

Technical improvements in the last decade and a systems engineering approach have resulted in economically viable applications for OTEC systems in tropical island communities, including large-scale hydrogen production utilizing offshore platforms. Most of the progress in OTEC systems in the U.S. and the world has occurred in Hawaii. Multi-product OTEC systems can now be based on demonstrated technology and can be shown to be economically competitive with fossil fuel based systems in many oceanic island communities. Implementation of such systems can contribute to the establishment of self-sustaining island communities, independent of fossil fuels for production of food, water and electricity. Such systems use the largest renewable resource in the world, the tropical ocean. Benefits of employing this vast resource include a more secure energy supply, less dependence on imported energy, a better local and global environment, and a source of fresh water. Established in 1988 as an engineering consulting firm, OCEES has evolved into an energy and resource company intent on effecting the global commercialization of its integrated multi-product OTEC system.

Date: **Thursday, June 17, 2004**

Location: Maple Garden

(NOTE: LOCATION CHANGE)

Time: 5:30 p.m. - Social Time

6:30 p.m. - Dinner

7:30 p.m. - Program

9:00 p.m. - Adjourn

Menu: Multi-entree buffet

Cost: \$22.00 for Hawaii Section members

\$25.00 for non-section members

and guests

\$11.00 for University of Hawaii at

Manoa Student Chapter members

Please make check payable to "ASCE-Hawaii Section." Mail to Phillip Ooi, ASCE Treasurer, c/o Department of Civil & Environmental Engineering, University of Hawaii at Manoa, 2540 Dole Street, Holmes 383, Honolulu, Hawaii 96822, postmarked by Monday, May 10, 2004. Reservations for the dinner meeting to Phillip Ooi by Monday, June 14, 2004, by phone at 956-8512, fax at 956-5014, or email at ooi@wiliki.eng.hawaii.edu.

EXECUTIVE COMMITTEE MEETING

May 6, 2004

2004 CALENDAR OF EVENTS

(subject to change)

June 2004 - Dinner meeting hosted by the Ocean & Energy Committee, Recognition of New Life Members

July 2004 - Dinner meeting hosted by the Environmental Committee

ASCE HAWAII SECTION AWARDS

Please help us increase our scholarship endowment so that we can recognize those deserving students. We continue to accept tax-deductible donations with the goal of establishing a second annual scholarship. Make your check payable to 'ASCE Hawaii Section' and mail to ASCE Scholarship Committee, P.O. Box 917, Honolulu, HI 96808. If you have any questions, please contact Horst Brandes at 956-8969, or at brandes@wiliki.eng.hawaii.edu.

ASCE JOB LISTINGS

The following employers have openings they would like to fill:

Austin Tsutsumi & Associates, Inc. (Civil, Traffic/ Transportation, Environmental and Surveying - Honolulu and Wailuku)

Board of Water Supply (Chief Capital Projects Officer - Honolulu)

CH2MHILL (Water Engineer - Honolulu)
Engineering Solutions, Inc. (Civil/Environmental Engineers - Honolulu)

Fewell Geotechnical Engineering (Geotechnical Engineer - Honolulu)

Fukunaga & Associates (Civil and Civil/Environmental Engineers - Honolulu)

Hawaii Pacific Engineers (Civil and Civil/Environmental Engineers - Honolulu)

Warren S. Unemori Engineering (Project and Civil Engineers - Wailuku)

Westaff (Maintenance Engineering - Hickam AFB, Hawaii)

Winzler & Kelly Consulting Engineers (Civil and/or Structural Engineering - Guam)

For more information on these job listings, please visit the ASCE Hawaii Section website at www.ascehawaii.org.

MEMBERSHIP DRIVE

ASCE counts on our members to help us grow every year by actively participating in the Member-Get-A-Member Drive. The drive is now year-round and offers great new prizes, such as cash rewards, gift certificates, digital cameras, personal digital assistants, LCD TVs and more. For most prizes, all you have to do to be eligible to win is refer a colleague. This is a great time to help out your colleagues while also helping ASCE find new members. Take a minute to think about the people in your professional life who could benefit from membership. Visit www.ASCEDrive.org to refer them and you could be a winner in the next drawing! Please contact our membership chair, Lori Nishida, at 533-3646 or lnishida@atahawaii.com for further information.

Membership Renewal

From this month's member data, ASCE has dropped any member not renewing their membership for fifteen (15) months. These members, who have not paid their 2003 dues, will no longer be included in our membership counts or on our membership data. This will greatly affect the standing of our Section, since standings are based on total membership. The total membership consists of new and retained members. If you have let your ASCE membership lapse and have not renewed, you may

have been affected by this. Please contact our membership chair, Lori Nishida, at 533-3646 or lnishida@atahawaii.com for further information.

CONVERTING TO ELECTRONIC VERSION OF WILIKI

If you would like to help the ASCE Hawaii Section reduce operating costs by receiving your monthly issue of the Wiliki via e-mail, please contact Joanna Seto at 522-7426 or e-mail her at jseto@ascehawaii.org.



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Next YMF General Meetings

The next two YMF general meetings are scheduled for Tuesday, June 8, 6:00 p.m. at Ward Dixie Grill 596-8359, and July 6, 6:00 p.m., location to be determined. If you are interested in attending to find out what the YMF is all about and how much fun we have, please call Jamie Hikiji at 521-3051.

YMF July Technical Presentation, July 6, 2004 at 6:30 p.m. - Jet Grouting Applications in Hawaii

Kelly McGonagle, as a representative of Hawaii's premier jet grouting specialty contractor, Layne GeoConstruction, will present successful applications of jet grouting within the state. Layne GeoConstruction has been successful in numerous applications of this procedure on Oahu including jet grouting for foundation support, groundwater control, and soil stabilization. As the prime contractor for Layne's largest project on the island, Scott Jennings with Robison Construction, will participate in the presentation providing the client's perspective as to the success of this grouting method at the Sand Island Wastewater Treatment Plant. Beverages and light pupus to be served. The location is yet to be determined. If you are interested in attending, please contact Jamie Hikiji at 521-3051.

YMF April Field Trip – City and County of Honolulu Traffic Management Center

The ASCE Hawaii Section Younger Member Forum (YMF) organized a technical field trip to the City and County of Honolulu's Traffic Management Center (TMC) on Friday, April 23, 2004. Eight participants spent the afternoon with City engineers Ty Fukumitsu, Nate Warner, and Warren Yamamoto. Participants watched as traffic was monitored during the Friday afternoon rush hour by viewing traffic on over 135 cameras that cover the island from Ewa Beach to Hawaii Kai. They also observed how the TMC adjusts traffic signal timing whenever necessary on the 350 traffic signals throughout Oahu. It was a typical Friday afternoon rush hour that included a suspicious package at the Hale Koa Hotel's parking structure, which shut down a portion of Kalua Road for several hours. Traffic reporters for various radio stations were

broadcasting live from the TMC. YMF participants were also featured in the background during a live traffic update for TV station KHON. The YMF would like to thank the City and County of Honolulu Department of Transportation Services for allowing us to visit the TMC.

After the visit to the Traffic Management Center, the group headed down the road to Compadres Bar & Grill for Happy Hour. Everyone in attendance enjoyed great company, food, and drink.

Awards Announcements

The ASCE Hawaii Section YMF would like to congratulate Ms. Lorna Heller and Ms. Jadine Urasaki. Ms. Heller was awarded the 2004 Edmund Friedman Young Engineer Award for Professional Achievement. The Edmund Friedman award recognizes young professional contributions of younger members to ASCE who demonstrate service of advancement of the profession, evidence of technical competence, high character and integrity, leadership in the development of younger member attitudes towards the profession and contributions to public service outside of their career and is not awarded to more than five recipients nationally each year. Ms. Urasaki was awarded the Zone IV Young Government Civil Engineer Award. This award is awarded to a younger member who demonstrates excellent performance and demonstrates leadership potential in public sector civil engineering, evidence of high character and professional integrity and who contributes to the community through civic and humanitarian activities. Congratulations Lorna and Jadine!

The ASCE Hawaii Section YMF would also like to congratulate its members as the YMF was awarded ASCE Committee on Younger Members Young Member Group Award for large sections.

ASCE Job Classified

Looking for work? Visit the ASCE's job listing page at <http://www.ascehawaii.org/jobs/jobsinfo.html>.

KNOW YOUR ASCE HISTORY

by C.S. Papacostas

In antiquity, "Germania" was a region north of the Roman Empire. Gaius Julius Caesar mentions the tribe of "Germani" he encountered in 58 B.C.E., and, using secondary sources, Cornelius Tacitus in his 98 C.E. treatise associates the name "Germania" with that of the first of several related tribes that attacked the Gauls across the Rhine. In several languages, "Germania" stands for Germany.

Jumping to the 21st century, the Portland Cement Association's "Executive Report" of March 14, 2003 carried this notice:

"The Chicago Sun-Times reports today that crews rebuilding South Lake Shore Drive unearthed fragments of [a] statue used to promote concrete at the 1893 World's Columbian Exposition... [T]he helmeted heroine Germania was used to promote a German company's expertise in portland cement and concrete."

From the historical description, we know that the statue of "Germania" did not represent a personage but was the personification of a country. But, could all this be in any way related to the imported Germania brand of cement used at the Kohala Ditch on the Big Island in 1905-06?

Thanks to the Paul V. Calvin Library Digital History Collection (Illinois Institute of Technology), I was able to access "The Book of

the Fair" written by Hubert Howe Bancroft in 1893. Chapter 16 was about "Mines, Mining, and Metallurgy" in which domestic and foreign cements played a major role. Here is an example:

"Elsewhere in Germany's section... [a] Heidelberg firm has erected an elaborate structure composed of cement and gravel, though seemingly fashioned of limestone of a bluish tint. At the entrance is an archway with female figures in classic pose. Of cements there are several exhibits, and in the display of a Berlin laboratory are machines and apparatus for comparative tests of this compound, especially of the Portland variety, the experiments conducted in accordance with regulations framed by the government. By the Lehrte and Misburg firm of Manske and company was erected, near the live-stock pavilion, a portal of artificial sandstone, on which is a heroic statue of Germania..."

Published by the N. D. Thompson Co. at that time, "The Dream City: A Portfolio of Photographic Views" includes a view of the Germania statue assembly that, according to the caption, was "cast in Portland cement, a material that came into widespread use when the tall-building era began, about 1882. It is not understood that the laws governing the preservation of cement are yet discovered, for there seems to be more fortune than skill in the laying of the material. Sometimes it drinks water and gets harder; sometimes dampness disintegrates the formation. It has been alleged that cement was a disappointment to Chicago builders."

This assessment was consistent with American (but, perhaps, not German) experience at the time: Describing the U.S. situation, ASTM's "1898-1998: A Century of Progress" states that "[a]fter the turn of the century, ASTM formed several new committees... Committee C-1 on Cement, Lime and Clay Products, for example, founded in 1902, played a key role in standardizing test methods in the cement and concrete sector." Prior to 1900, "the cement industry suffered from a lack of basic standards that defined the material's chemical composition and performance, leading to conflicts between manufacturers and their customers in the construction industry... As a result, construction companies often received cement that was unsuitable for a given project because it did not meet performance requirements."

By contrast, the October 1888 issue of the New York trade publication "Manufacturer and Builder" marvels at the fact that "[i]n Berlin, and other large cities in Germany, mortar is manufactured in large quantities and sold to builders by the barrel." In other words, reliable ready-mix was available as early as that! In July 1892, the same publication takes delight in informing its readers that, for the first time in the history of world fairs, the upcoming Chicago Exposition would dedicate an entire building to "Mines and Mining" rather than in "the manufactures building, or in annexes to other structures..."

Zooming in on the pedestal of the Germania statue of 1893, we discern the inscription "Portland CementFabrik Germania" around a carved circular company logo.

Another clue to aid our quest. Stay tuned!

Do you know of a civil engineering accomplishment or event that your fellow ASCE members might find interesting? Please send a brief description to C.S. Papacostas (fax 956-5014, email csp@wiliki.eng.hawaii.edu). Previous articles in the series may be found at the Section's web site. Just point your browser to <http://www.ascehawaii.org>.



www.eng.hawaii.edu/~hspe

HAWAII SOCIETY OF PROFESSIONAL ENGINEERS – MAUI CHAPTER

PO Box 4119
Kahului, HI 96733

2003-2004 Officers:

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Treasurer Ty Fukuroku, E.I.T.	(242-4403)
State Director Eric Yamashige, P.E., L.S.	(242-8611)

MAY 2004 MEETING

Treasurer's Report: Treasurer Ty Fukuroku reported that our account balance was \$3,544.00.

Introduction of Guests: Phil Johnson and Dmitri Callinicos from the Maui AIA were introduced.

Duane Reddington from Warren S. Unemori Engineering was introduced as a guest engineer and hopefully a new HSPE member.

Announcements: Eric Yamashige reminded everyone about the upcoming NSPE Annual Meeting that will be held in July on Oahu. He also informed us that the State HSPE will be needing our slate of officers by May 27th.

Guest Speaker:

Ernest Rezents from the County of Maui Arborist Committee came to speak about how engineering impacts trees. He likened trees to humans: 1) they shed leaves, flowers, bark, and branches; humans lose hair, skin, and nails; 2) they produce seeds to perpetuate themselves just as humans do; 3) the older they get, the slower they heal.

Trees cannot grow well in the narrow planting strips normally provided for them in road right-of-ways. An 8'x 8' planting space would be preferable. Protect the bark of the tree as much as possible because the food and water tubes that nourish the tree are closest to the bark. Water the tree only as needed. Overwatering or not enough water can kill the tree's roots. It is too costly to move large mature trees. It is better to plant young trees or leave the mature trees in place.

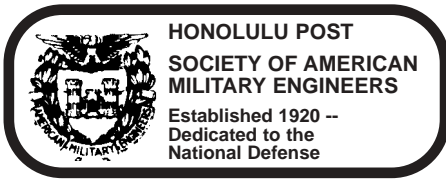
Mr. Rezents informed us that the Maui County Planting Plan was available for reference at a cost of \$15. Call Sue Kiang at 875-1647.

LGSEA, (continued from page 3)

Dr. Serrette and September 9 for Mr. Ford, places TBA. Look for these announcements in the upcoming months.

The Specifications Committee met in the month of May. The Spec Committee's purpose is to develop a standard residential spec by modifying the current section 5400. Another area of interest is to develop a light gauge steel truss spec. The committee plans to continue meeting and the Chapter will disseminate information once the Board approves the proposed specs. Please contact Brent Uechi to participate in the Specifications Committee.

In LGSEA National news, the Board as approved the increase in honorarium for LGSEA Technical Notes to \$3,000 to each approved submittal, up from \$1,500. Research Notes can be submitted with an honorarium of \$1,500. Please submit any topics of interest to the Chapter to present on your behalf.



P.O. Box 31218; Honolulu, HI 96817
<http://posts.same.org/honolulu/>

SAME OFFICERS

President:	LTC Dave Press	438-1069
Vice Pres:	COL Jim Lyon	449-8363
Secretary:	CPT Sam Battaglia	438-1468
Treasurer:	LT Kristina McGee	471-1170x250

It was that time of year again, the Annual Society of American Military Engineers (SAME) golf tournament. This is a yearly event that raises funds for a multitude of educational and community outreach projects, including college scholarships for aspiring engineers and architects, sponsoring two high school students to one week construction camps at the Air Force Academy in Colorado Springs and at Port Hueneme California, sponsoring high schools in the yearly TEAMS competitions, and donating scholarship money to the State Science Fair.

This year's tournament exceeded the planning committee's expectations. Over \$10,000 was raised to support SAME educational programs throughout the year. By the time the first ball was hit off the first tee box at the Navy Marine Golf Course, 17 corporate sponsors had signed up to support this tournament. A special treat was at hole #6 with GeoEngineers handing out cold bottles of water, snicker bars, and for those who needed it, stress balls.

One hundred forty-eight people signed up to play in the scramble style tournament. The first team teed off at 1115 and the last team finished just after 6:00 p.m. A reception was held at the golf course and deliciously catered by Sam Snead's Taking top honors this year was a team from Metcalf Construction, including Bully Kahalioumi, James Ocllien, Ken Ball, and Rich Birdlachich. The team finished 15 under par and won by 4 strokes.

At the reception, Colonel Jim Lyon, SAME's Honolulu Post Vice President, addressed the tournament attendees and that in the 26 years of military service he has never seen the government and civilian contractors come together to bond and work together for a common cause. He said this golf tournament just solidifies the fact that the military and private contractors are working in conjunction with each other like no other time in history to fight the war on terrorism.

Colonel Lyon also introduced Kevin Huwel, who was a recipient of one of SAME's construction camp scholarships Kevin will be going to the US Air Force Academy for a week in July to learn about construction and the engineering field. Kevin is a junior at St. Louis High School and indicated that after graduation next year he hopes to actually attend the Air Force Academy in Colorado Springs as a cadet. An aspiring engineer like Kevin represents a primary reason SAME holds this fundraising event each year.

A highlight of the day was when Lieutenant General Robert Flowers, Chief of Engineers, US Army Corp of Engineers, addressed the crowd. He reiterated Colonel Lyon's comments and talked about a contractor who recently lost his life in Iraq working with the US military to fight the war on terror. He also noted that SAME had recently initiated a new Post in

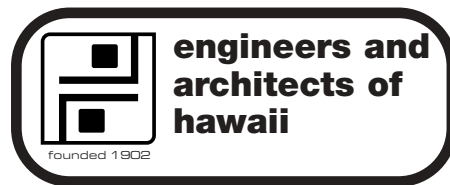
Baghdad, Iraq. General Flowers expressed appreciation with the outstanding effort that everyone, including our civilian contractors are putting forth to fight the war on terrorism.

SAME would like to thank the following corporate donors for their generous support:

- Shaw Group
- Dick Pacific Construction
- CH2M Hill
- Earthtech
- Metcalf Construction Co., Inc
- Weston Solutions
- MWH
- R.M. Towill Corp.
- Parsons Infrastructure & Tech
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Lieutenant General Robert Flowers addressing the participants of the tournament.



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 An association for Hawaii's Engineers and Architects
 New WEB Address <http://community.hei.com/eah>

OFFICERS FOR 2003 - 2004

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Treasurer:	Ralph Dobson
Secretary:	Sam Gillie
Director:	Mary Ellen Nordyke-Grace (2 year term)
	Ron Boyle (2 year term)
	August Ahlf

Notice: Nomination for Officers and Board of Directors will be closed on June 11th.

June Meetings: Program Chair Lee Mansfield

June 4 - To be Announced
 June 11 - NO MEETING - King Kamehameha Day
 June 18 - To Be Announced
 June 25 - ANNUAL MEETING, ELECTION OF OFFICERS, AND PICTURE- TAKING

Meetings held every Friday at YWCA room 205 on Richards Street downtown. Parking at Alii Place off Alakea Street for \$1.00 per hour. Meetings start at NOON and end promptly at 1:00 pm.

Members-\$7.50 Guests-\$8.50

Program schedule may be adjusted. Call Secretary to confirm speaker. Anyone wanting a weekly email meeting notice please send your email address to Sam Gillie at sgillie@hei.com.

EAH April and May Meetings

On April 2nd, Alan Lloyd gave a talk titled "A Visit to Koho'olawe". Alan revisited with EAH his trips over, around and on Koho'olawe. Alan presented a brief history of the Island and presented his slides he taken during his visits to the Island. Alan recalled his first fly by of the Island in the 1930's, when he remembers the clouds of red dust blowing off the island, because of it's barren condition. Alan commented that this was before the U.S Military used the Island as a target range. **The soundfile of this talk is available at the EAH WEB site. Go to "Past Meetings" Page.**

On April 16th Shari Ishikawa - Principal Transmission Planning Engineer at HECO talked about "Keeping the Lights On". Shari gave an informative and education overview of what it takes for HECO to keep the energy flowing to our homes and businesses everyday. She also shared with us how HECO designs for updating and maintaining the transmission system.

On April 23rd, architect Charles Palumbo presented his concepts for improvements to Waikiki to make transportation friendlier to tourists while making Waikiki less concrete and asphalt. Many of his proposals could easily be implemented with minimal impacts to existing properties. He also proposed a water taxi from the airport to Waikiki, thereby exposing the tourist to our tropical experience rather the LA freeway experience on the H-1. And having all tourists luggage delivered directly to their hotel rooms. His most controversial was converting the Ala Wai golf course into a hotel resort park. **The soundfile of this talk is available at the EAH WEB site.**

On April 30th Dr. Michael F.Pavkovic Professor, Hawaii Pacific University gave a talk titled "War in Iraq: Strategic and Operational Analysis." Professor Pavkovic gave a detailed analysis of the recent history between Iraq and the United States, stating with the first golf war and up to current times. He explained why it was not internationally politically possible during the first Golf War to remove Saddam Hussein. He also argued that given the current war on terror, it was not possible to leave Saddam Hussein in power. **The soundfile of this talk is available at the EAH WEB site.**

On May 7th Daniel Martinez, National Parks Service Historian, featured on the Discovery Channel, talked about his latest project related to the Thunderfish, The Aerial Torpedo used by the Japanese at Pearl Harbor on December 7th. The Japanese solved the problem of dropping torpedo's in the shallow waters of Pearl Harbor. One torpedo was recovered after it was misdropped and landed nose first into the mud. Because there was a 20 sec run time delay before the torpedo was primed it never detonated.

May 14th: Shari Shima, TV Weather Forecaster - "How Your TV Weather Get You". Shari explained that Hawaii's weather is not a predictable as we think. Hawaii is not like the mainland which as weather station all around the country. In Hawaii there are no weather station for 2000 miles. Hawaii has to rely on reports from ships at sea, airplanes and satellites. Also, the Big Island has all climates except for the arctic climate. **The soundfile of this talk is available at the EAH WEB site.**

**2003-2004 OFFICERS**

Office	Name	Phone	Fax
President	Cathy Leong	946-2277	946-2253
Vice Pres	Susan Uejo	521-5361	538-7819
Secretary	Pierson Koike	527-6989	521-2501
Treasurer	Fred Smoot	841-7617	833-6125
Past Pres	Richelle Suzuki	541-2530	541-2700

JUNE 2004 MEETING

Speaker: Robert Lung of the Honolulu Police Department, Traffic Division

Topic: HPD Website displaying Real-Time Traffic Accident Report from the HPD Dispatch .

Date: Tuesday, June 22, 2004

Time: 11:45 AM

Place: Belt Collins Conference Room
2153 North King Street, Suite 200

Cost: \$8.00 for members/guests and \$5.00 for students

Please call Pierson Koike at 527-6989 or send email message to pkoike@co.honolulu.hi.us by noon, Tuesday, June 15, 2004 to make your reservations. Payment will be collected at the meeting.

JUNE 2004 FIELD TRIP

Date: Saturday, June 19, 2004

Time: 12:00 p.m. Bento Lunch
1:00 p.m. ITE Truck Driving Time

Cost: \$8.00 for members and guests,
\$5.00 for students

Location: Leeward Community College, Upper Level Parking Lot

Field trip arrangements with the Hawaii Transportation Association (HTA) have been confirmed. HTA will allow ITE members to drive their large trucks to gain an appreciation of maneuvering large vehicles through tight turning movements and narrow lanes. You may arrive early to watch the HTA professional truck driving competition which starts at 6:00 a.m. and is expected to end around 1:00 p.m.

Please RSVP to Pierson Koike by June 10, 2004.

April Meeting Highlights

The April luncheon meeting was held on April 20, 2004 at the State of Hawaii Department of Transportation's conference room in Kapolei. The featured speaker was Hilarie Keehne, planner for Townscape, Inc., who spoke about the Keahole to Honaunau Regional Circulation Plan that they prepared for the County of Hawaii. The plan, which was finalized in February 2003, provides recommendations that could help to alleviate existing and projected traffic conditions resulting from expected rapid population growth and land development, and the lack of affordable housing in the vicinity. The primary conclusion of

the analysis performed for the plan was that despite all of the current and upcoming projects that the County of Hawaii has planned for the region, the implementation of alternative transportation facilities such as mass transit and bikeways would not be sufficient to accommodate future traffic growth without the construction of additional infrastructure. For the short term, the plan suggests that the County institute programs and policies regarding corridor preservation and access management, implement improvements to existing facilities, and explore new ideas such as transportation demand management (TDM) and paratransit. For the long-term, the plan indicates that an additional north-south corridor will be needed by the Year 2020 and explores three different possible alignments for that corridor. In addition, the plan identifies other projects and programs that could be explored further to help alleviate anticipated conditions. Since the study was finalized, the County has been considering instituting TDM programs involving rapid accident removal and the use of shoulder lanes to increase the capacity of existing roadways. In addition, they have been exploring the need to expand the existing bus routes, implement bike friendly improvements, and create a thoroughfare map, and revise the zoning and subdivision code.

Hawaii Section Elections

The nominating committee presents the following candidates for the 2005 ITE Hawaii Section Officers:

President:	Wayne Y. Yoshioka
Vice-President:	Greg H. Hiyakumoto
Secretary:	Jodi Chew
Treasurer:	I. Robert Nehmad

If you have any nominations, please send a petition signed by not less than five Section members eligible to vote to Cathy Leong, current President, no later than June 16. Ballots will be mailed to eligible Section members the last week of June.

UH Student Receives Dai Ho Chun Dissertation Completion Fellowship

Lin Zhang, ITE member and PhD candidate in civil engineering, was recently one of four people selected from 121 qualified applicants to receive the UH Graduate Division's 2004 Dai Ho Chun Dissertation Completion Fellowship (\$3,000).

SEAOH, (continued from page 3)

Paul Kane III - Aloha Marketing Manufacturers Representatives, LLC, applied as an Affiliate member.

Applications will be voted on at the July Board Meeting. Please notify any SEAOH Officer prior to the July Board Meeting if you wish to comment on these prospective members.

Web Notes:

SEAOH is currently upgrading our website. If you have any comments or suggestions,

please forward to Les Nagata at les.sag@verizon.net.

2004 Calendar of Events:

Next BOD meeting: 02 June 2004, 4:30 p.m., at Shigemura, Lau, Sakanashi, Higuchi office.

June 18, 2004: General Membership Meeting at the Honolulu Country Club. The status of the IBC code adoption by the City and County of Honolulu will be presented by Gary Chock and Dr. Clay Naito of Lehigh University will speak on "Blast assessment and hardening of load bearing shear wall structures" and "Development of a seismic design methodology for precast floor diaphragms".

June 26 and 27, 2004: Thomas Keola Ahsing Scholarship Fundraiser Concert at the Hawaii Theater. This concert is a benefit fundraiser for the Thomas "Keola" Ahsing Scholarship in the University of Hawaii - College of Engineering.

June 29, 2004: Concrete Slabs on Ground - Avoid Curling & Shrinkage Problems seminar at the Pagoda Hotel. Floor and pavement curling and shrinkage concerns will be presented by Jerry Holland.

July 13, 2004: Masonry Design IBC 2003 seminar at the Pagoda Hotel. Seminar and software overview by Russ Brown of Clemson University regarding masonry design per IBC 2003.

August 6-7, 2004: Annual convention at the Turtle Bay Hotel. Theme for the convention will be "Earth, Wind, & Fire ... Whichever Governments - Seismic & Wind Provisions of IBC 2003."

ASME, (continued from page 2)

meet others with similar interests and concerns at the new ASME Communities of Practice site. Several communities of interest, moderated by volunteer members, were launched for beta testing at the beginning of May, on topics ranging from Engineering Entrepreneurs to Power Plant professionals. After testing is completed at the end of June, the communities will be opened to members wishing to participate or suggest new communities. You will need to register the first time that you use the page, and set your preference for your home page. To visit the site, and test the features, go to www.cop.asme.org.

FUTURE ACTIVITIES

Several tours and meeting speakers are being planned. Also visit the ASME-HI website for more information.

- Sept. 9, 2004, Annual Pearl Harbor Boat Tour, at 4:00 p.m., hosted by Stanford Yuen. Nine seats still available. Contact Ed Chang at 543-4227.
- Sept. 25, 2004, Kapaia Power Station Tour, at 10:00 a.m., hosted by Brad Rockwell, Kapaia Power Station Manager. The plant is located on the Island of Kauai.

Professional Directory

<p>WES THOMAS ASSOCIATES Land Surveyors 75-5749 Kalawa St., Kailua-Kona, Hawaii 96740-1817 Tel: 808 329-2353 Fax: 808-329-5334 Surveying Hawaii Since 1975</p>	<p>720 IWIWEI ROAD SUITE 425 P.O. BOX 3351 HONOLULU, HI 96801 PHONE: (808) 536-2705 FAX: (808) 599-4032</p>	<p>R. M. TOWILL CORPORATION SINCE 1930 PLANNING • ENGINEERING • ENVIRONMENTAL SERVICES PHOTOGRAMMETRY • SURVEYING • CONSTRUCTION MANAGEMENT 420 WAIKAKILO ROAD HONOLULU HAWAII 96817-4941 808 842 1133</p>	<p>URS Engineers Scientists Program and Construction Managers Environmental Planners 615 PEARL STREET, 9TH FLOOR HONOLULU HAWAII 96814-1141 PH: (808) 845-1116 FX: (808) 845-1158 www.urscorp.com</p>
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<p>FUKUNAGA & ASSOCIATES, INC. 1388 Kapiolani Blvd. Honolulu, HI 96814 Phone: 944-1821 Email: office@fainc.org Website: www.fainc.org</p>	<p>GEOLABS, INC. Geotechnical Engineering and Drilling Services 2006 Kalih Street Honolulu, Hawaii 96819 Phone: 841-5064 Fax: 847-1749</p>	<p>GEOTECHNICAL GROUTING CONSULTANT Edward D. Graf 182 Lumahai St. Tel: 808-396-9451 Honolulu, HI 96825 Fax: 808-396-2075</p>	<p>CAROL KWAN CONSULTING, LLC Certified Arborist P.O. Box 893953, Mililani, Hawaii 96789-0953 Mobile (808) 381-1342 FAX (808) 625-4287 E-mail: ckwan@hawaii.rr.com</p>
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