

MATHCOUNTS 2003 OAHU CHAPTER COMPETITION

The 20th annual Oahu Chapter MathCounts Competition was held February 22, 2003 at Kamehameha Schools. This was the largest Oahu Chapter competition since its beginning in 1984. There were 37 teams of public and private schools, plus 92 mathletes competing as individuals. The Kalama Dining Hall was just about overflowing with these 240 student mathletes. To help celebrate 20 years, a hot lunch was served to the students, coaches, volunteers, and spectators. The lunch included chili and rice, kernel corn, macaroni salad, juice, and happy anniversary cake.

The first place team trophies went to Iolani School and the team of Aaron Fong, Leon Hou, Daniel Lum, and Kelli Young. The Iolani coaches are Li Ann Wada, Jill Stewart, and Annette Matsumoto. They will display the Hawaii Society of Professional Engineers' Perpetual Team Trophy at Iolani until next year's competition.

The Hawaii Society of Professional Engineers (HSPE) including its local chapters on Oahu, the Big Island of Hawaii, Maui, and Kauai are the local sponsors of MathCounts. Major Hawaii corporate sponsors include Aloha Airlines and Hawaiian Electric Company, Inc. Dr. Michael Chun, President and Headmaster, Kamehameha Schools, is the MathCounts Chairman. He is supported by Rowena Blaisdell and Pauline Marcello, both of Kamehameha Schools Bishop Estate, who annually leads a steering committee of engineers and educators to put on these competitions.

The Oahu Chapter Competition consisted of the Sprint Round(40 minutes and 30 problems), Target Rounds(four pairs of problems with 6 minutes per pair), Team Round(20 minutes and ten problems), and Countdown Round(pairs of mathletes compete against each other and the clock). The qualifiers for the Countdown Round are the top eight Mathletes as a result of their total scores in the Sprint and Target Rounds. They included Eugene So (Home school) in first place, Aaron Fong in second place, Roydan Ongie of Highlands in third place, Philip Mocz of Mililani in fourth place, Daniel Lum in fifth place, Robert Shimizu of Iolani in sixth place, Lucia Mocz of Mililani in seventh place, and Lori Arakaki of Iolani in eighth place. Last year as 7th graders, So placed second, and Ongie placed 9th.

The top four winners in the Countdown Round were So in first, Lucia Mocz in second, Ongie in third, and Philip Mocz in fourth place. They all received Dave & Busters power cards.

Besides the Iolani School team in first place,

Punahou School was second, Mililani Middle School was third, Kawanakoa Intermediate was fourth, Kamehameha School was fifth, Niu Valley Middle School was sixth, Kaimuki Middle School was seventh, Washington Middle School was eighth, Highlands Intermediate was ninth, and Stevenson Middle School was tenth. The top six schools advance to the State Competition.

The Master of Ceremonies was Ken Morikami of the Hawaii Society of Professional Engineers. The awards presenters included Sister John Joseph Gilligan of Hawaii Catholic Schools; Clayton Fujie, Deputy Superintendent, Department of Education; Chuck Freedman, Vice President, Corporate Relations, Hawaiian Electric Company, Inc.; and Dr. Sheryl Nojima, President of the Honolulu Chapter, HSPE.

MathCounts thanks its major sponsors Aloha

Airlines and Hawaiian Electric Company, Inc. for their continued support and generosity. Proctor and scorer volunteers for this competition came from Hawaiian Electric Company, Inc., the US Army Corps of Engineers, SSFM International, Thermal Engineering Corp, ASME, ASCE, UHM, The Gas Company, PHNSY, and KAI Hawaii.

MathCounts is the nationwide math coaching and competition for middle school students. It promotes student interest in math by making math achievement as challenging, exciting and prestigious as a school sport. The missions of MathCounts is to increase interest and involvement in mathematics among all intermediate school students in order to assist in developing a technically literate population essential to U.S. global competitiveness and the quality of life.



Countdown Round Top Four: I-r: Eugene So (1st Place from Home School), Lucia Mocz (2nd Place from Mililani), Roydan Ongie (3rd Place from Highlands), Philip Mocz (4th Place from Mililani).



The First Place Team from Iolani School.



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Additions and/or corrections should indicate the proper society, institution or association.

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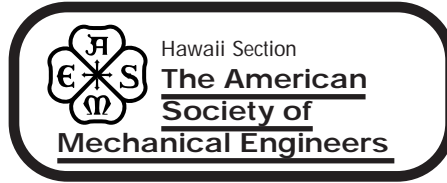
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See article on page 8



Website: www.asme.org/sections/hawaii

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**HAWAII SECTION COMBINED
COMMITTEES & POWER TECHNICAL
CHAPTER MEETING**

Date: Wednesday, April 9, 2003
Time: 5:30 p.m.
Place: Hawaiian Electric Company, Inc. Ward Avenue Cafeteria

All members are invited and asked to attend. We are seeking help from the membership to fill the committee positions. 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 Jim Grogan or Sam Gillie for directions and more information. For Power Chapter questions, please contact Ed Chang.

NATIONAL BOARD/ASME GENERAL MEETING

The National Board of Boiler and Pressure Vessel Inspectors will hold their 72nd General Meeting in Honolulu the whole week of April 28, 2003. It will be held at the Hilton Hawaiian Village. This General Meeting is held annually to address important issues relative to the safe operation, maintenance, construction, repair, and inspection of boilers and pressure vessels. The attendees include boiler and pressure vessel inspectors, mechanical engineers, equipment manufacturers, representatives of repair organizations, operators, owners and users, labor officials, welding professionals, insurance industry representatives, and government safety personnel.

For a preregistration fee of \$245, the attendee gets to sit in and help address many issues involving boiler and pressure vessel safety, besides attending social activities including hearing from Bill Russell and Peggy Fleming. ASME member Yash Nagpaul who is the State Manager and Chief Boiler Inspector, Boiler & Elevator Inspection Branch, and National Board Trustee member is the local host of the General Meeting. For more information visit website <http://www.national-board.org/Infolink/menu.html>.

SECTION BALLOT AND SURVEY

The annual ballot and survey were mailed to the membership in March, and the return deadline is April 11, 2003. As with any non-profit professional organization support from the membership is vital for its strength and survival. The current officers and directors look forward to receiving the member responses including the completed ballots and surveys. Comments and suggestions are appreciated and needed.

This year the Section is happy to have two new officer candidates. They are Raymond Liu

for Vice-Chairman and Rodney Krienke, Jr. for Treasurer. Liu is a project engineer at Cedrick O. Chong & Associates. He graduated with a BSME from the UHM. He has been active with the Hawaii Section for several years supporting the TEAMS Competition effort. Krienke is an engineer at the Pearl Harbor Naval Shipyard. He is a graduate of the University of Alabama, Huntsville (BSME). He was active in the Huntsville ASME Section before moving to Hawaii. Krienke has strong ties in Hawaii. He spent 1989-1993 as a Marine Avionics Technician at Kaneohe Marine Base. Mrs. Krienke is from Hawaii.

ASME MATHCOUNT VOLUNTEERS

Ron Flegal and Ed Chang of the State MathCounts Steering Committee would like to thank the ASME members who volunteered either as a proctor or scorer for the Oahu Chapter or State competitions. They include Kevin Dang, Jim Grogan, Charly Kinoshita, Ray Liu, Ken Mashima, and Ron Sakai. These members faithfully help out with scoring or proctoring every year.

PE REVIEW COURSE

Guy Pasco is planning a Mechanical Discipline P.E. review class for the next P.E. exam on October 24, 2003. So if you have applied by the January 10, 2003 application deadline and was planning to take the second exam, you may want to contact Guy Pasco. His review class is a 10-week course. Class is held one Tuesday evening per week starting at 6:00 p.m. and is conducted at the Hawaiian Electric Company's Ward Avenue facility (Ward Cafeteria room Cafe 2). Cost is \$50 for ASME members, and \$75 for non-members. This is a real bargain. Please contact Guy Pasco at 543-4451 for information and enrollment.

NEW WEBSITE FOR ASME HAWAII

Please visit <http://www.asme.org/sections/hawaii>. The Section Webmaster is constantly updating and adding to the website.

**NOMINATIONS FOR ASME-HI SECTION
2003 PROJECT/DESIGN OUTSTANDING
ACHIEVEMENT AWARD**

The nomination deadline is April 30, 2003. Time is getting short. If you know of any unusual or outstanding mechanical engineering-type project or design that have been completed within the past five years, please contact Ed Chang at 543-4227 or echang@hei.com. The nomination process is very simple, easy, and fast.

FUTURE ACTIVITIES PROPOSED

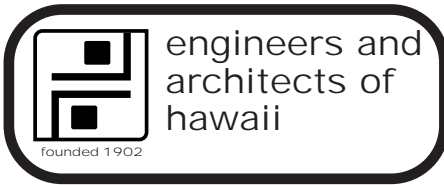
The following are activities we have planned or are looking into:

May 1-3, 2003: Region IX Regional Administrative Conference (RAC) is scheduled for Hawaii in 2003. Check out our website for more information.

May 2003: The Francis R. Montgomery Design Competition with the UHM Dept. of Mechanical Engineering.

May or June 2003: ASME Distinguished Lecturer - William L. Dean, P.E., on "The Engineer as an Independent Business Person: How to Start Your Own Engineering Company." CAPT. Joe Bradley will contact Mr. Dean for availability information.

July 6-10, 2003: 2003 Summer Fluids Engineering Conference at the Sheraton Waikiki.



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EAH Program: April 2003

Program Chair **Tit Mun Chun**

April 4, Speaker: Rodney Haraga, Director, State Department of Transportation. Topic: Oahu Transportation

April 11, Speaker: Rose Greenwell, Certified Financial Analyst. Topic "Financial Security"

April 18, NO MEETING - Good Friday holiday

April 25, Speaker: Marshall Hidel. "**Hawaii State Art Museum**" Walking tour to and through museum to follow lunch.

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.

Program Notes for February 7, 2003

SPEAKER: Terry L. Hunt, Ph.D.
Department of Anthropology University of Hawai'i.

SUBJECT: "The UH Archaeological Field School on Rapa Nui" Easter Island, Rapa Nui or Isla De Pascua - Despite being just a scrap of land in the world biggest ocean Polynesians in their voyaging canoes colonized it. The story of what happen on this island is often portrayed as mysterious, tragic or both. Some scholars have seen the excesses of ancient life there as a scary parable of our own reckless behavior in destroying our own natural environment.

The island has archeology like no where else on earth. There are nearly 1,000 megalithic ancient statues or Moai as they are called on Rapa Nui. No one knows how the ancient peoples moved over 14,000 tons of stone. The University of Hawaii has started a field school and research project to answer some of the speculation. Their view challenges the mainstream view that the Moai or others are the only ones responsible for the devastation. Blaming the Moai for the destruction of indigenous culture is good fiction but it is bad science. Except for Pitcairn Island, Rapa Nui's nearest neighbors are 3,000 miles away. It is about half the size of Lanai.

Rapa Nui is environmentally impoverished. It lacks the bio-diversity of other Pacific Islands as well as rainfall. Looking at limited climatic

records, rainfall fluctuates dramatically and droughts could have been a serious problem in the island's history. Also, the island is subject to strong winds with salt sprays that are devastating to plants needed for agricultural subsistence. There is abundant evidence in recent genetics, linguistics, archeology and oral histories of Rapa Nui that show Rapa Nui was settled by Polynesians and not South Americans.

Dr. Hunt's research started in 2000 and the last two summers there have been archeology field schools on the island. They will return again this summer. They are training about 20 native Rapa Nui high school students, which is good for direct community involvement and long term historic preservation. Students use digital photograph and tape and compass methods to map archeology features. They resourcefully used a kite to fly a digital camera overhead to take low-level aerial photography. Ancient Rapa Nui houses were long, boat shaped and about 40 meters long. They did some laser three dimensional scans of the Moai. This was a very quick and good way to survey the rock art and Moai without touching anything.

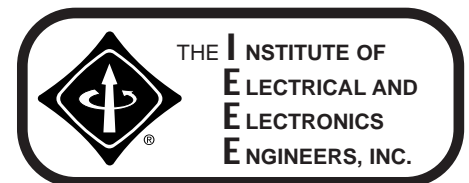
There are about 400 Moai in the quarry at various stages of production. There are nearly 270 Moai that were transported from the quarry to the platform sites and about 100 that were abandoned during transport. All of the Moai that are now standing have been reconstructed.

The per capita energy investment in monumental construction is likely the highest in the world. The Moai are bigger than the blocks of the pyramid. Robert Dunal has the idea of "waste". Waste was the energy that people expended in activities not directly related to subsistence or reproduction. Using evolutionary theory, Dunal proposed that populations persist when they remain below the environmental carrying capacity in uncertain environments. Cultural activities that contribute to fewer offspring and longer-term reproduction cycles might include investment in energy away from subsistence and reproduction and toward statues.

Something was limiting the population on Rapa Nui. Looking at simple growth rates of

human populations indicates that with settlements around 800 AD and that by 1500 AD there would have been more than 20,000 people on the island. 20,000 people is higher than any of the estimates for the population. So there wasn't a run away population growth. Something was limiting the population. Since people have a limited amount of energy to expend, by choosing the create Moai in lieu of offspring the Rapa Nui may have been unintentionally limiting their numbers to sustainable levels.

It is argued that downfall of Rapa Nui was due in part because resources needed to construct and transport the Moai led the population to deplete all of their resources. It is argued that during the downfall there was warfare and the statues were knocked down. There was warfare, but the statues were standing in 1722 when the Dutch discovered the Islands. But by 1868 there were no statues standing. There are indications the statues were knocked down during earthquakes and Rapa Nui does set on top of a fault line.



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National Director	Mr. Bruce Witcher P.E.

HSPE STATE BOD CONFERENCE CALL MEETING

March 13, 2003

Partnership with APWA: Present at the conference call representing American Public Works Association (APWA) was Mr. Ken Morikami and Mr. Rouen Liu who is the current president of APWA. He discussed the mission of APWA which included the idea of promoting professional excellence and promoting Public Works. In addition, APWA encourages exchange of knowledge between members, acknowledges significant achievement in projects by organizing an awards luncheon, and also mentors high school students. Ken Morikami discussed the golf tournament fund raising and discussed the organization of APWA. There are currently 96 members in APWA in Hawaii and recent membership has increased between 10 and 12 percent due to active recruiting. Efforts of Rod Haraga, Director of the Department of Transportation and Larry Leopardi, Director at the City and County of Honolulu were instrumental in helping with the membership recruitment. Current annual dues for APWA are \$113 per year. It was also indicated that networking is a great value in belonging to APWA and it also creates an advocacy to educate the public in public works projects.

The draft of the APWA Partnering Agreement was discussed by Scott Seu. In addition, Scott discussed the HSPE Math Counts program, scholarship program, golf tournament fundraiser and its success. In addition, developing a grants program for the EIT licensing exam, and a mentoring program to help high school students still needs to be developed. Scott will work with Ken and Rouen to develop a proposed final agreement.

Funding of Riley Smith to attend 2003 NSPE Annual Meeting: The 2004 annual NSPE meeting is to take place in Hawaii. Riley serves on the NSPE Annual Meeting Task Force and will be State President at the time of the 2004 meeting. Peter moved to fund Riley's trip to attend the 2003 annual meeting to allow him an opportunity to see what is involved in planning for an annual meeting. Motion passed. Scott indicated that Ken Rappolt wants to take a more active role in the annual meeting. The Honolulu chapter is considering some financial support to Ken if he attends the San Antonio Meeting.

Education Committee Update: Scott reporting for Sheryl indicated that the State Competition for Math Counts will be held on Saturday March 15, 2003 at Kamehameha Schools. Discussion was held on Math Counts

donations from corporations that are currently administered by Guy Pasco. These funds will be tapped for this year's competitions until depleted. Control of all financial resources for Math Counts will then revert to HSPE's Treasurer.

The Scholarship Program attracted 31 applicants this year. 22 from Oahu, 5 from the Big Island, 2 from Maui, and 2 from Kauai. From Honolulu, there were 11 applicants from the Public Schools and 11 from Private Schools. Curt Beck suggested that in future years applicants write an essay for consideration. The Education Committee will be meeting to review the applications and make a recommendation to the Board on awards. The Committee will pursue visible venues at the awardees' schools to make the presentations.

Golf Tournament: Hickam did not approve



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GET INVOLVED!

Do you want to know what's going on with EAAUH? Do you desire to 'give back' to the College of Engineering? Do you want to make some new friends and network with others in the engineering community? EAAUH is always looking for volunteers to help with various activities and events. All members are encouraged to become involved and help shape our future as we continue to strive toward the goal of supporting the College of Engineering in areas such as funding, research, recruiting, and fellowship. Alumni involvement is not only welcomed, but essential. If you are interested in being a volunteer, please contact EAAUH President Jamie Hikiji at 521-3051.

2003 GOLF TOURNAMENT

Mark your calendars! The Annual EAAUH Golf Tournament will be held on July 25, 2003, at the Leilehua Course. Money raised by this popular event will go toward scholarships to be awarded to six deserving freshman students of the College of Engineering.

The planning committee is already working to organize a fun-filled tournament for you. If you would like to help out, contact Jamie Hikiji at 521-3051. Be on the lookout for further details!

EAAUH WEBSITE

Don't forget to visit our website at www.eaaauh.org for information on upcoming events and EAAUH news. Post some messages on our bulletin board. Employers: Do you have positions to fill? Post job listings on our website! It's easy to do, and it's FREE! There's a lot to look at, so check it out!

use of their course for the HSPE golf tournament. R. M. Towill, who is helping coordinate the 2003 tournament, is working to locate an alternate site. The date of the tournament may change depending on course availability.

2003 June Installation Meetings: A short discussion was held on the upcoming installation of officers meeting to be held on various islands. Hilo will join Kona at their installation meeting. Chapters are responsible for making hotel reservations and providing ground transportation needs for the visiting NSPE President to and from the airports, hotels, and meetings, unless the NSPE President has made arrangements for a rental car. Information on travel arrangements should be sent to Eric Yamashige for coordination. Scott will ask Eric to make sure that travel arrangements are coordinated for the NSPE President.



http://www.geocities.com/hals_us

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Past Pres	Layton Nakao	

EXECUTIVE MEETING HIGHLIGHTS

Mar. 13, 2003

COMMITTEE REPORTS

Membership (Eric Hee)- 203 paid reg.; 19 paid sustaining; 6 life; 2 honorary.

Education (Kendall Hee)- CE-211 fall semester; CE-491 spring.

Shoreline Certification Administrative Rule Changes (Dennis Hirota & Kendall Hee)- Refer to MACZAC under unfinished business.

Legislative (Mary Cummins)- Refer to attachments.

NSPS Board of Governors (Pat Cummins)- Next meeting will be on March 29, 2003 in Phoenix, Arizona.

Standards (David Hatchell)- E-mail David Hatchell pdf copies of Standards.

HALS 2004 Conference- Seminar Chair: Eric Hee; Concurrent Sessions: Kevin Kea; Installation Banquet: Eric Hee; Vendors: Dudley DePonte; Logistics: Stacey Kimura & Andy Harada; Flyer/Promotion: Dennis Chong; Registration: Chris Guerin, Tommy Oi; Name Tags: Stacey Kimura; Speakers Dinner: Erik Kaneshiro; Proceedings: Layton Nakao; Pre-conference: more discussion needed.

Unfinished Business

Marine and Coastal Zoning Advocacy Council (MACZAC) Shoreline Certification Working Group: March 12, 2003 Video Conference.

New Business

2004 meeting schedule to be finalized at next meeting.

General Membership Meeting

Mar. 27, 2003@ESH - 6:00 p.m.

All meetings will be held at ESH at 6:00 p.m. unless otherwise noted.



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APRIL DINNER MEETING

Program:

- Gary Okino, City and County of Honolulu Council Chair, will discuss his some of his plans and aspirations for Honolulu Council as well as some of the key issues that the mayor and the council will be facing over the next few years.
- Robin Lim of Geolabs will discuss rock fall hazard evaluations and some of the mitigation efforts being used at various rock fall sites.

Date: Thursday, April 17, 2003
 Location: Treetops at Paradise Park, Manoa Valley
 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

Make check payable to AASCE-Hawaii Section. @ Mail to Lori Fong, ASCE Treasurer, C/O Parsons Brinckerhoff, Pacific Tower, Suite 3000, 1001 Bishop Street, Honolulu, HI 96813, postmarked by Monday, April 14, 2003. Reservations to Lori Fong by Monday, April 14, 2003 by phone at 531-7094, fax at 528-2368, or email at *FongL@pbworld.com* (Note revised e-mail address).

EXECUTIVE COMMITTEE MEETING

March 5, 2003

2003 CALENDAR OF EVENTS (subject to change)

- May 2003 - Dinner meeting hosted by the Construction Committee
- June 2003 - Dinner meeting hosted by the Ocean & Energy Committee
- July 2003 - Dinner meeting hosted by the Structural Committee
- August 2003 - Dinner meeting hosted by the Transportation Committee
- September 2003 - Dinner meeting hosted by the Hydraulics/ Hydrology Water Resources Committee

CALL FOR NATIONAL AWARD NOMINATIONS

The ASCE Hawaii Section is seeking candidates to nominate for the following four ASCE

National Awards:

- ASCE Excellence in Journalism Award B Given annually to a reporter or reporters whose news coverage enhances public understanding of civil engineering.
- Civil Government Award B Given annually to an ASCE member who has contributed substantially to the status of the engineering profession by rendering meritorious service in elective or appointive positions in government. Honorary members and members holding positions that require the services of professional engineer or positions that traditionally have been held by engineers are not eligible.
- Edmund Friedman Professional Recognition Award B Given annually to an ASCE member who is judged to have contributed substantially to the status of the engineering profession by: (a) an established reputation for professional service; (b) objective and lasting achievement in improving the conditions under which professional engineers serve the public and private practice service; (c) significant contributions to improving civil engineering education; (d) guidance of young civil engineers in the formative stages of their careers; or (e) other evidence of merit that advanced ASCE's professional objectives.
- John I. Parcel - Leif J. Sverdrup Civil Engineering Management Award B Given annually to an ASCE member who has made a definite contribution in the field of civil engineering management. This contribution may have been made either in the form of written presentations or notable performance.

The National deadline for nominations for these four awards is June 1. If you are interested in nominating an individual for any of these awards, please contact the Hawaii Section Awards Committee Chair Tony Lau at 522-7426 by May 5.

(continued on page 8)



2002-2003 OFFICERS

		Phone
President	Jeff Kalani	593-1116
	<i>jeff_kalani@urscorp.com</i>	
Vice-Pres	Jamie Hikiji	521-3051
	<i>jamie.hikiji@m-e.com</i>	
Secretary	Lori Nishida	533-3646
	<i>lnishida@atahawaii.com</i>	
Treasurer	Paulette Chang	524-3771
	<i>pchang@hawaiiapacificengineers.com</i>	
Student Chapter President	Meris Ota	956-5808
	<i>merisota@hotmail.com</i>	

Next YMF General Meeting

The next two YMF general meetings are scheduled for Tuesday, April 1, 6:00 p.m. at Murphy's Bar and Grill; and Tuesday, May 6, 6:00 p.m. at Magoo's. If you are interested in attending, please call Jeff Kalani at 593-1116.

ASCE Job Classified

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

YMF NEEDS VOLUNTEERS FOR SERVICE PROJECT

On April 26, 2003, the YMF will be assisting Habitat for Humanity with the construction of homes for twelve Hawaiian families. The volunteers will be working on foundations and the framing of houses. It's a great way to learn some basic construction skills while helping the community. YMF volunteers will be meeting at 8:30 a.m. at the construction site. Lunch will be provided. Please contact YMF Community Service Chair Jon Yoshinaga at *yoshinaga@excite.com* or 371-4359 by Wednesday, April 23 to sign up and receive more information.

COUNTY OF HAWAI'I • NEW RATES

CIVIL ENGINEER I

\$2,670.00 plus shortage differential of \$409.00/month
 Immediate Vacancy - Department of Water Supply in Hilo

Minimum requirements: A combination of education and experience substantially equivalent to graduation from an accredited college or university with major work in civil engineering.

CIVIL ENGINEER III

\$3,122.00 plus shortage differential of \$928.00/month
 Immediate Vacancy - Department of Public Works in Hilo

Minimum requirements: A combination of education and experience substantially equivalent to graduation from an accredited college or university with major work in civil engineering and two years of professional civil engineering experience.

CIVIL ENGINEER IV

\$3,515.00 plus shortage differential of \$1,406.00/month

Three Immediate Vacancies - Department of Public Works & Department of Water Supply in Hilo and Kailua-Kona
Minimum requirements: A combination of education and experience substantially equivalent to graduation from an accredited college or university with major work in civil engineering and three years of professional civil engineering experience.

License requirement: Possession of a certificate of registration as a professional engineer in the United States at time of filing.

* * * * *

Recruitments are open on a continuous basis. Should we plan to close these recruitments, notice of the last day to file applications will be posted in our office one week prior to the effective date.

Call the County of Hawaii's job-hotline at #(808) 961-8618 for an application packet or visit our website at co.hawaii.hi.us - our recruitment announcements and application forms for open-competitive recruitments are on-line and can be downloaded.

Text telephone users (for persons with hearing impairments) call the Department of Civil Service at #(808) 961-8619.

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2003 WRYMC – “BRIDGING THE GAP” IN HONOLULU

by Tony Lau, 2003 WRYMC Chair

The 2003 Western Regional Younger Member Council (WRYMC) meetings were held in Honolulu, Hawaii from Friday, February 28 to Sunday, March 2, 2003. The Hawaii Section Younger Member Forum (YMF) hosted the meetings at the Ala Moana Hotel. A record 91 younger member delegates from 16 younger member groups representing Washington, Oregon, California, Nevada, Utah, and Arizona traveled to the islands to participate in the council meetings with the Hawaii Section YMF.

E kapili i ka pilina or “Bridging the Gap” was the theme of the 2003 WRYMC. This theme was selected by the Hawaii Section YMF to emphasize our roles as younger members who help student engineers prepare for the engineering industry while developing our skills to become company partners/owners, department heads and ASCE section/branch leaders.

The 2003 WRYMC started with a Friday morning field trip. The historical portion of the field trip took place on Ford Island, Pearl Harbor. Delegates viewed the nearby memorials of the U.S.S. battleships Utah, Oklahoma and Arizona as well as the final berthing location of the U.S.S. Missouri, a.k.a. “the Mighty Mo.” For the technical portion of the field trip, the delegates traveled and toured the Interstate H-3 Freeway and Tunnels, winner of the 1998 ASCE Outstanding Civil Engineering Achievement Award. The field trip concluded with a picnic lunch at the Ala Moana Beach Park.

After lunch, the WRYMC delegates joined the delegates from the Zone IV Workshop for Section and Branch Leaders (WSBL) and Workshop for Student Chapter Leaders (WSCL) for a few joint sessions. Jeff Russell gave a lively update on Policy 465 which states that “The American Society of Civil Engineers supports the concept of the Master’s degree or Equivalent as a prerequisite for licensure and the practice of civil engineering at a professional level.” Nancy Berson and Jennifer Lawrence followed with an entertaining Overview and Organization of ASCE. Tom Lenox and Nancy kept the energy flowing with an upbeat and trivia-filled ASCE Introductions and Icebreaker session. The joint meetings concluded with a reception sponsored by the Hawaii Section.

The Friday night social was held at Kapon’s Bar and Restaurant located at the Aloha Tower Marketplace. Trolley transportation was provided between the hotel and the marketplace. WSBL and WSCL delegates were also invited to join in on the fun to “bridge the gap” in an informal environment. Rumor has it that some delegates continued the party elsewhere later that evening/morning, but it was never confirmed.

Saturday morning sessions consisted of a follow-up question and answer session on Policy 465 by Jeff Russell and Tom Lenox; an overview of ASCE current and proposed Governance structure by District 11 Director Blaine Leonard; and speeches by Bill Henry, candidate for National President-Elect; Mark Woodson, candidate for District 11 Director; and Greg DiLoreto, candidate for District 12 Director.

An efficient annual WRYMC business meeting followed. Updates to the WRYMC Constitution and Bylaws were passed unanimously. Among the topics and resolutions passed this year include opposition to moving

the WRYMC meetings outside of Zone IV, support of the current Governance model with encouragement of its continued development and refinement, retention of the “Younger Member” terminology versus “Future Leaders,” and recommendation for the initiation of a National Environmental Project Competition to be held in conjunction with the National Concrete Canoe and Steel Bridge competitions beginning in 2003.

At the President’s Lunch, President Tom Jackson shared his goals for ASCE and the civil engineering profession. He also presented a number of Zone IV awards including Zone IV Outstanding 150th Anniversary Younger Member Group Award to the Oregon Section and the Zone IV Public Service Award to the Hawaii Section YMF.

Lively roundtable discussions took place after lunch. All eight of the national officers in attendance and two candidates for national office facilitated ten different roundtable discussion topics. The 20-minute discussions at each roundtable were followed by five-minute presentations to the entire group. Topics included how to uphold engineering ethics, how to get involved in public service projects, and how to bridge gaps between section/branch leaders and student chapter leaders.

Following the roundtable discussion, a representative from each younger member group shared one of their more successful projects with the entire delegation to spark ideas. Detailed reports summarizing each group’s activities were already included in the WRYMC program.

The afternoon sessions concluded with a report from the Committee on Younger Members (CYM) by CYM Zone IV Representative Tony Lau, a presentation by Hawaii Rebuilding Together, formerly known as Christmas in April, to show how younger members can get involved in their communities by rebuilding homes of elderly and needy families, and three breakout sessions where delegates from the WSBL, WRYMC, and WSCL met together by the ASCE district to which they belong.

The annual WRYMC banquet was held in the form of a Hawaiian luau. Stealing the show were elementary-school girls from Halau Hula Olana (School of Living Hula) who greeted all of the guests with orchid leis and beaming smiles. After a mai tai (or several) and between

servings of lau lau, kalua pig, poi, and poke, the WRYMC delegates and their guests were treated to an impressive keiki hula performance accompanied by musicians from their halau. They even provided quick hip-swaying hula lessons to some guests including President Tom Jackson, President-Elect Pat Galloway and Executive Director Pat Natale who all joined in with the performance. The luau concluded with the presentation of the seven 2003 WRYMC awards. (See below for award recipients)

After some additional partying into the night, WRYMC delegates had breakfast with President-Elect Pat Galloway who shared her dynamic vision for ASCE and the civil engineering profession. Delegates were given a chance to ask Tom Jackson, Pat Galloway and Pat Natale a number of questions about ASCE and civil engineering at “Sunday Morning Live”. The weekend meetings concluded with a presentation by Marla Dalton and Pat Natale on the Infrastructure Security Professional Advisory Network (I-SPAN).

The Hawaii Section YMF greatly appreciated the opportunity to showcase the “Aloha State”. Although we were sad to bid our visitors farewell (and we bet all the delegates were sad to leave the warm weather as well), we are looking forward to meeting with all the WRYMC delegates again in 2004 in the beautiful city of Portland, Oregon.

CONGRATULATIONS TO THE 2003 WRYMC AWARD WINNERS:

Outstanding Young Civil Engineer in the Private Sector: Troy Morgan, San Francisco Section YMF

Outstanding Young Civil Engineer in the Private Sector: Mike Worlton, Phoenix Branch YMF

Outstanding Young Civil Engineer in the Public Sector: Doa Meade, Southern Nevada Branch YMF

Outstanding Younger Member in ASCE Activities: Abigail Swaim, Orange County Branch YMF

Outstanding Younger Member in Community Activities: Ann Mukai, Hawaii Section YMF

Outstanding Younger Member Group Project: “Zoom into Engineering” by the Oregon Section YMF

Outstanding ASCE Student Chapter: Cal Poly San Luis Obispo



2003 WRYMC “Bridging the Gap” in Honolulu

KNOW YOUR ASCE HISTORY

by C.S. Papacostas

My last three articles in this series shared a common theme, the early and heavy involvement of Hawai'i in the area of global wireless communications.

Many more developments in this area took place than those that I could cover in a few short articles.

But, before moving on to presenting historical vignettes in other engineering subjects, I feel obligated to describe another major accomplishment connected to wireless communication in Hawai'i: The prototype top-secret antenna system for a Naval Radio Station in Ha'iku Valley on the windward side of O'ahu. According to several reports, the construction of this difficult, cutting-edge, very low frequency system began in 1942 and the antenna was put in operation in December 1943 during World War II. A wooden stairway ascending to an elevation of 2,800 feet to the top of a Koolau Mountain ridge (Pu'u Keahiakahoe) was also constructed to access transmission facilities at the mountain's summit. The wooden Ha'iku Ladder (or Stairway to Heaven) was replaced in 1955 by a 3,992-step galvanized steel ladder and railings.

The original naval antenna was decommissioned two years later and the site was turned over to the U.S. Coast Guard in 1971 when design began for the eight-station global Omega Radionavigation System that had been approved in 1968. The no longer needed Ha'iku (or Pali) Ladder was closed in 1977 due to safety concerns and, interestingly, in the late 1990s a Faraday Shield was installed over a section of the then being built nearby H-3 Interstate Highway to protect travelers from electric shocks caused by OMTA. Possible Polychlorinated Biphenyls (PCB) contamination resulting from defoliation activities in the valley is another possible negative environmental impact of the Omega Station.

Having outlived its economic justification, the Omega system was shut off on September 30, 1997. This was primarily due to the availability of the Global Positioning System (GPS) which, by the way, operates one of its five ground control facilities in Hawaii.

An ad in the July 21, 1998 issue of Commercial Business Daily by the U.S. Department of Transportation sought bidders to "[p]rovide materials, equipment, labor, and transportation required to provide security for Coast Guard property, the former OMEGA Station, Haiku Valley, Kaneohe, Hawaii. Work includes providing security seven days a week during the daylight hours at the entrance to the valley, making three daily drive-by rounds and one round of physical checks to all buildings (3 each)."

Since that time, the valley has come to the possession of the State Department of Hawaiian Home Lands and the City and County of Honolulu has repaired the stairway with the help of several organizations including the Friends of Haiku Stairs. As of March 2003, the ladder remains closed to the public, pending clearance of liability concerns.

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>.

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HAWAII SECTION HOSTS ASCE ZONE IV JOINT LEADERSHIP CONFERENCE

The 2003 Zone IV Joint Leadership Conference was hosted by the Hawaii Section. Over 250 delegates to the Workshop for Section and Branch Leaders, Western Regional Younger Member Council and Workshop for Student Chapter Leaders met at the Ala Moana Hotel from February 28 to March 2, 2003. Delegates learned about ASCE resources to help them lead their individual groups. They also learned about current topics within ASCE, such as the impending change in governance structure and Policy 465, which proposes to gradually phase in the requirement for a masters degree or equivalent to become a licensed civil engineer. National President Thomas Jackson shared his vision for the organization at a Saturday joint luncheon. He also presented a number of awards to Zone IV recipients, including the 2003 Zone IV Outstanding Large Section Award to the Hawaii Section and the 2003 Zone IV Public Service Award to the Hawaii Section YMF.

SECOND ANNUAL WEST POINT BRIDGE CONTEST

The deadline for the qualifying round of the contest is April 10, 2003. The second annual West Point Bridge Design Contest (WPBDC) is a realistic, internet based, hands-on competition for middle and high school students, designed to develop excitement and interest in engineering activities. This free contest is specifically aimed at promoting math, science, and technology education in U.S. middle and secondary schools. Contest participants must be at least 13 years old at the time of registration and must be enrolled in middle school or high school in the US. For more information on this exciting contest and to download the bridge design software go to <http://bridgecontest.usma.edu>. There are great prizes including \$15,000 scholarships for each member of the first place team, \$5,000 scholarships for each member of the second place team, and a notebook computer for each member of the top five teams.

Although information packets have been mailed out to middle and high schools across the US, **your help is requested to spread the word about this outstanding contest to schools, youth activity groups, Girl/Boy Scouts, after-**

school activities, or any other student organization. Any encouragement or assistance that you can provide to schools, teachers, and students will be greatly appreciated.

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. Drawings will be held at the end of every month to award prizes to members who have referred colleagues during that month. Even more prizes are available if the colleague that you refer becomes a member. There has never been a better 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!

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 Tony Lau at 522-7426 or e-mail him at tlau@hawaiipacificengineers.com.

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APRIL 2003 MEETING NOTICE

Speaker: Ricardo Archilla, Assistant Professor, UH Department of Civil and Environmental Engineering

Date: Thursday, April 24, 2003

Time: 11:45 AM

Place: Wilson Okamoto Conference Room

Topic: Traffic Engineering in Argentina: An example of how a lack of appropriate traffic engineering measures can lead to higher accident rates

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

Please call Susan at Belt Collins Hawaii Ltd. at 521-5361 by noon, Friday, April 18, 2003, to indicate if you will attend and also if you will be purchasing lunch. Payment will be collected at the meeting.

ACI CONCRETE FIELD TECHNICIAN PROGRAM—GRADE I CERTIFICATION

Sponsored by the Cement and Concrete Products Industry of Hawaii

The ACI Certification Program for Concrete Field Testing Technician—Grade I. During Session I, the seminar portion, will include instruction and review of ASTM testing. Session II, the examination, each participant will be given a written and performance examination.

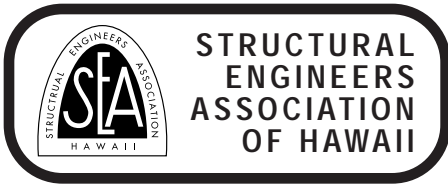
Session I Seminar: Saturday, May 17, 2003 from 8:00am to 2:00pm at Ameron Hawaii (Sand Island Facility) 2344 Pahounui Drive, Honolulu, Hawaii.

Session II Examination (Performance & Written): Saturday, June 14, 2003 from 7:30am to 1:30pm (specific times to be announced). Location will be Ameron Hawaii (Sand Island Facility).

Registration is \$200 per person and includes seminar, books, and exam. Cost for Session II re-examinations are—written re-examination \$100, and performance re-examination \$125. Class size is limited to 15 people. Registration deadline is May 16, 2003.

For additional information or to register, call CCPI at 833-1882





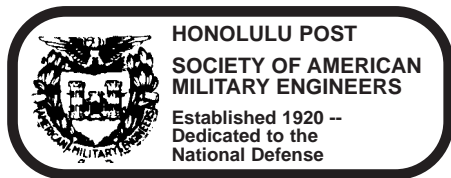
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 Web Page URL <http://www.seaoh.org>

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President	Randy Chu	373-7950	373-7950
Vice Pres	Wes Segawa	935-4677	935-2070
Secretary	Bennett Fung	531-1308	521-7483
Treasurer	Susan Kuniyoshi	488-7579	488-7818
Director	Ibbotson Kellett	540-1030	526-1989
Director	Les Nagata	951-5916	941-6489
Past Pres	Tom Tanimura	536-7692	537-9022

HIGHLIGHTS OF BOD MEETING

March 6, 2003
 Reviewed and approved 2003 Operating Budget dated March 6, 2003.



P.O. Box 31218; Honolulu, HI 96820.
www.same.org/honolulu

2002/2003 OFFICERS

President: CAPT Mike Giorgione
giorgionema@pwcpearl.navy.mil
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RDiehl@d14.uscg.mil
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BARNEST@mail.rfweston.com
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rambergjd@pwcpearl.navy.mil

**SAME PACIFIC REGIONAL CONFERENCE
 8-10 APRIL 2003**

See <http://www.same.org/honolulu/> "Regional conference information" link.

SAME Regional Conference Golf Tournament

Date: April 8, 2003
 Shotgun Start at 1200 (Check-in 30 minutes prior)
 4 Person Best Ball
 Great Prizes!!
 Icebreaker after play ~ 1700

If you have not signed up for the conference or the golf tournament you can do so at <http://www.same.org/honolulu/Regional%20Info/index.html>.

If you have any question please feel free to contact LT Jay Murphy at 471-117 x263 or at murphyja@pwcpearl.navy.mil

Committee Reports:

A tentative schedule of events and tentative technical program for the SEAHO annual convention was presented. Program and registration information will be mail out by end of March.

Old Business:

Carol Kellett is considering the Administration Assistant position, BOD needs to provide her with an outline of duties. SEAHO Website - Carol Kellett volunteered to be our webmaster. She will update the web site and assist with posting minutes, events & photos to the web site. Please check out our new web site at www.seaoh.org. Membership renewal form has been mailed out. Members should return them as soon as possible.

New Business

BOD voted on and approved Mr. Kevin Smith and Scott Wong of Baldrige & Associates as allied members. At the HCES meeting, SEAHO agreed to 1) Obtain Engineering week proclamations from the Mayor and Governor, and to arrange for photo session and photos; 2) Solicit

displays for Engineering week (possibly on display at the City Hall); 3) SEAHO may use the HCES banquet as a venue to recognize/award a SEAHO member or project as part of the banquet's evening program; 4) Provide HCES with our membership email list for electronic distribution of Wiliki newsletter. AISC contacted SEAHO about placing a paid advertisement on the SEAHO web site. SEAHO will contact AISC for more details about the advertisement and investigate tax ramifications with the accountant. Tracey Nakayama of Nagamine Okawa Engineers, Inc. has applied for membership as allied member. Please notify any SEAHO Officer prior to the May Board Meeting if you wish to comment on prospective members.

2003 CALENDAR OF EVENTS

ACI 318-02 Building Code seminar: Tuesday, March 25, 2003 at Pagoda Hotel.

SEAHO Convention at Manele Bay Hotel, Lanai: Friday, August 8, 2003 & Saturday, August 9, 2003.

Next BOD meeting: Thursday, April 3, 2003, 4:00 p.m. at Zippys Vineyard.

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