

ENGINEERS AND ARCHITECTS OF HAWAII CELEBRATE THEIR CENTENNIAL

“Engineers Meet for Discussions: Among the technical men there has been formed the Hawaiian Engineering Association, which has gathered in already, the principle men in electrical and mechanical engineering.” With these words, one hundred years ago, the first meeting of the Engineers and Architects of Hawaii was announced in the Honolulu Star Bulletin for the May 2nd meeting in 1902. The first President of record was Alonzo Gartley, a US Naval Academy graduate who had been brought out from the mainland to be the Manager at the Hawaiian Electric Company for \$250 per month. Mr. Gartley shepherded the young organization, then know as the Hawaiian Engineering Association, for five years between 1902 and 1908.

Appropriately, the first meeting was on electrical fuses presented by Navy Lieutenant Holmes. One of the goals of the organization was to standardize the electrical work for the City. This is something the association would later be officially tasked to do in 1925, that is, to develop an Electrical Code for Honolulu. At that time the Hawaiian Engineering Association, had joined the American Association of Engineers as the Honolulu Chapter in 1920. The first President was Honolulu Mayor John H. Wilson. Since that time **“EAH”**, as the members fondly call it, has hosted between 3,600 to 4,000 weekly programs in its goal to keep Hawaii’s engineers, architects and the community abreast of both local and international engineering technology.

EAH was never an organization that shied away for controversy. In the 1920 **EAH** formed a special committee that investigated property assessments. Its report was headline news that property values ranged from 8% to 107% of sales prices. Next **EAH** took on perhaps its most controversy issue. In 1923 **EAH** charged the Waterworks Manager W. A. Wall with the lack of a comprehensive plan for future water development for Honolulu. This put **EAH** at odds with the City Supervisors, who supported the Manager, and accused **EAH** of being a “Crowd of Grumps”. **EAH’s** position also put Mayor John Wilson in an awkward position as Mayor Wilson had just completed his term as President of **EAH** the year before. But Mayor Wilson concurred with many of **EAH’s** recommendations. However, in 1924, the mayor was pressed harder by **EAH**, when they called for the Manager to be dismissed. In fact, the press asked the Mayor, if he intended on resigning from the Engineering Association. The controversy continued to heat up to the point, where the Democrat party,

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EAH’s inspection of the Navy’s new ammunition depot complex at Luulualei near West Loch in September 1932.

The Thrill of TEAMS

The Tests of Engineering Aptitude Mathematics and Science (TEAMS) exam is one of the most mind wrenching and rigorous exams high school students can take. However, it is also one of the most exciting and fun examinations high school students can take. Imagine taking an exam where talking during the exam is encouraged, where it’s all right to take a look at your neighbor’s paper, and where you can look up anything you want in any textbook or notes you have. Imagine competing for bragging rights with other high schools around the state. Also imagine competing with hundreds of other high schools around the nation.

On Saturday, March 9th, 2002, the UH College of Engineering played host to thirteen varsity and three junior varsity teams from ten schools who participated in this year’s TEAMS competition held at the University of Hawaii at Manoa Campus Center Ballroom. Eight of the ten schools participating were from Oahu: Kailua High School, Kamehameha Schools, Maryknoll School, Mililani High School, Moanalua High School, Punahou School, Waianae High School, and Waipahu High School. Hawaii Preparatory Academy from the Big Island and Seabury Hall from Maui represented the neighbor island schools.

The competition is a unique and challenging academic program that allows high school students to apply the knowledge gained in their schoolwork to solve real engineering problems. These problems are the same type of questions engineering college freshman face in their classes.

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Maryknoll School students collaborating.



Seabury Hall- overall varsity winners.



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EAH, from page 1

in a headline news story, called for a conference with the Major to discuss the issue. Early in 1925, in Front Page Headlines, it was announced that Manager Wall had resigned and J. McCarthy was pictured in the newspaper being sworn into office.

Later that same year, another **EAH** President, Fred Ohrt was appointed as the Chief Engineer for the Water Board at a Salary of \$600 per month. Fred Ohrt resigned from Libby, McNeill & Libby to take the position. Fred Ohrt later moved up to become Manager of the Board of Water Supply from 1929 to 1952. Fred Ohrt established the principle that the construction necessary to support a utility need not spoil the landscape. Many examples of this can still be found around Oahu such as the pumping stations, which were designed by the respected architect C. W. Dickey, another **EAH** president. Also during this time another well-known **EAH** member; Samuel Wilder King served as **EAH's** Secretary in 1925. Samuel King was appointed to the Board of Supervisors and later was Hawaii's Delegate to Congress. Other renowned Hawaii Architects and **EAH** presidents were, Vladimar Ossipoff, chief architect for the Honolulu International Airport and Alfred Preis, designer of the Arizona Memorial.

In 1925, **EAH** dropped its membership with the American Association of Engineers and formed the Engineering Association of Hawaii or **EAH**. Also about this time in 1928, **EAH** secretary W.C. Furer and later Stanford Brent started to produce written records of the meetings. These records were kept for all meetings from 1928 until 1962. The approximate 1500 records are being digitally scanned into CD format for future historical reference.

During its first 60 years of existence **EAH** was the premier engineering association in Hawaii with memberships regularly exceeding 300. Because of its unique position of representing the best and brightest of Hawaii's engineers and architects, the legislature and the community often called upon **EAH** for its expert advice. A legislator was quoted in the newspaper as questioning, "Has the Engineering Association reviewed this report"? Throughout the twenty, thirties, forties, fifties and sixties, **EAH** was often quoted in the day's newspaper headlines. As such a group, in September of 1932, their support was garnered for the Navy's new ammunition depot at Lualualei near West Loch. The group was invited for a tour by George Hess, President of Haverty Co., the General Contractor for the project, Captain Frederick Cooke, Public Works Officer and Lt. Cmdr. J.J. Manning, the Assistant PWO. It was an all day event held on a Saturday and over sixty members were give a first hand tour through the complex as can be seen in the attached picture. Lunch was provided by Haverty Co., which would have been no small feat, if you could imagine serving a sit down lunch with linen table clothes and waiters to sixty people at a construction project on the wild plains of EWA in 1932. Apparently it was a successful tour as then President Leroy Bush was quoted as assuring the Navy that "the association was behind the Navy in every possible sense." This tradition continues at **EAH** with **EAH's** Position Statement on the State's controversial and now canceled Photo Speed limit enforcement program (See Wiliki Issue March 2002) and also **EAH's** support for HECO controversial Kamoku-Pukele transmission

line?. As a fully independent organization, **EAH** does not need to consult with mainland organizations before establishing its position on important issues facing Hawaii. This is something that often stymies local chapters of the traditional engineering organizations into political inaction, thus leaving engineers with little voice in the community.

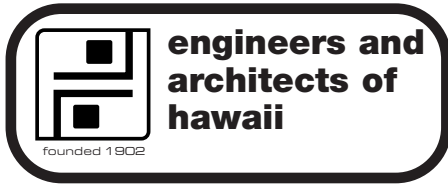
Rosewell M. Towill was President in 1950-1951, and formed the present firm of R M Towill and Associates. His firm designed the Mt. Kaala access road for the FAA. Few people travel this road and thus few people appreciate the engineering accomplishment it took to construct. It is a seven-mile long road that rises to the 4,025-foot summit. Workers had to suspend themselves from ropes in many areas. Sections of the road have shear drops of 1000 feet and grades are as much as 18%. The FAA field engineer was **EAH** member Walter Gibbons.

Houghton Sawyer was President in 1958 - 1959, and formed the firm of Darrow, Sawyer and Associates, currently DSA Engineering operated by our current President Victor Russell. Mr. Sawyer was an inventor and provided numerous contributions to the pineapple industry such as the pineapple-harvesting machine, helped with the ASME recognized Ginaca Pineapple coring machine, field spraying equipment and the rotating drive mechanism for the rotating restaurant in Wikiki.

The list of contributions from **EAH** members is too long to list and this article only mentions our departed members, as their memories fade too quickly. However this article would not be complete without mention of one significant current member in the organization, which is Peter Burk. Peter was Treasurer through most of the 80's and into the 90's and was principally responsible for keeping the organizations wheels turning. Peter was a regular fixture at **EAH** meetings in the Elizabeth Mullen Hall at the YWCA, before Peter moved to Oregon to be closer to his family. **EAH** wishes Peter the best and hopes to see him and other old members at **EAH's** centennial Banquet being held on May 11 at the Willows Restaurant. **EAH** has passed a motion that **EAH's** scholarship fund be named The Peter Burk Scholarship for his contributions to **EAH** during his 40 years of service to **EAH**.

EAH has met essentially continuously for the last 60 years at various rooms at the YWCA on Richards St. **EAH** continues to average more than 40 weekly programs and **EAH** remains committed to carrying on the tradition of getting first hand information from experts in their fields for its members and the community. Professionals should remember, in this day of the Internet, that any organization depends on its members and the old saying is still true, the more you put into something the more you get out of it. If you don't attend a meeting you'll never know what opportunities you've missed.

Over the last hundred years, Honolulu has grown from a small dusty harbor town in the middle of the Pacific with little water, electricity, roads and telephones to today's modern city. This was wholly done on the back of engineering technology and the members of the Engineers and Architects of Hawaii played critical roles in laying the groundwork for that to happen. Even with Honolulu's challenges today in traffic, power, jobs and the environment, people are still looking and expecting technology to solve them. Will we solve them....Yes!!



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 An association for Hawaii's Engineers and Architects
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EAH May Meeting

Program Chair: Bob Morrissey
 May 3 to Be Announced
 May 10 – No Meeting
 Saturday May 11 – EAH Centennial Banquet at the Willows Restaurant.
 May 17 to Be Announced
 May 24 No Meeting – Memorial Day
 May 31 Mayoral Candidate Duke Bainum

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 Report: January 4th; Ramsey Pedersen, Provost, Honolulu Community College spoke on Pacific Center for Advanced Technology Training

Ramsey Pedersen related that UH President Evan Dobbelle wants to create a seamless system between the Community Colleges and the University of Hawaii and give more back to Hawaii taxpayers. Ramsey said this is hard to argue against and if you did you're not there anymore! President Dobbelle is the first University President that came in and said he was terminating all 205 administrators and then will decide if any of them would be back by next December. This is Hawaii; nobody ever got fired in Hawaii, let alone 205 people. But Ramsey is not concerned, because if you can't add value to what you are doing, you don't belong there. Ramsey is not worried about his college, because they have been doing a great job of adding value.

One of the things they are looking for is Branding, finding something that the college can be identified with. President Dobbelle said he can't sell a community college system, but he could sell the Community Colleges as part of the University System to the outside world. Ramsey and people who have been out in Asia doing contract work understand this. Pres. Dobbelle wants the Community colleges to keep their open access for people to entry the college system, but focus on integrating into the University system to become a better organization, and focus on niching the college in terms of what they do best. Honolulu Community College (HCC) has been moving for the last 10 years toward being the Technological Training Center of the Pacific. This is building off what the college was and that was a trade school for Hawaii's construc-

tion and automotive sectors.

In the late 80's the legislature asked, why isn't Honolulu Community College training enough aviation mechanics? Ramsey found out that the college of San Mateo was the best aviation maintenance program on the West Coast. Ramsey and Owen Miyamoto were on a committee that investigated what it would take to develop a first class program in Hawaii. Owen needed to move the HCC's airport facility and he said the Airports Division would figure out how to move HCC's facilities (i.e. fund a new facility) if the HCC would upgrade their program. So Ramsey asked it the University would kick-in and they did. They gave him a salary schedule for the facility, based upon industry standards. This type of salary schedule had been reserved for the Medical or Law schools. The legislature gave them \$2 million in equipment and HCC now has a real aviation maintenance-training program in Hawaii.

Continental had tried to set up a maintenance program on Guam for two years before HCC convinced them to set up in Hawaii. So, Continental donated X millions of dollars to the school and \$50,000 in scholarships and the school provides aviation mechanics for Continental.

Out of this came Northwest. Northwest has 13 bases in Asia and they want their mechanic's to have American certificates. So the third group of trainees has come in from Japan and they have all passed their FAA exams. This lead to a connection with Japan Aviation Academy (JAA) and HCC is now working with JAA to integrate their courses.

Also, the aviation maintenance training facility has now lead to flight simulation training, which is something Owen was interested in. HCC has an alliance with University of North Dakota Center for Aerospace Sciences. After visiting cold North Dakota and seeing China Airline Pilots training there, Ramsey suggested a partnership with Hawaii for an Asian based training center in Hawaii. Why couldn't this be done in Hawaii, where it's warm? So now they have started with commercial aviation flight training in Hawaii for an associate degree. Two classes have pass through Hawaii and are finishing at North Dakota. HCC is moving toward

offering a full 4-year course in Hawaii, but they will be moving to Kalaeloa airport (Barber's Point). They will move the flight operations there by this spring. There also is also a 71 room housing facility there. When they have moved and the housing facility is ready, HCC will be ready to do contract training for Asian based airlines.

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to honor past and present members on
Saturday, May 11, 2002
6:00 pm
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Name: _____
 Name of Guest: _____
 Address: _____
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- For additional information, please call Victor Russell (808) 949-4155 or Sam Gillie (808) 543-4739

Number of people attending: _____ x (\$45) = \$ _____
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Past-Pres	Joanna Seto	586-4329	586-4352
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MAY DINNER MEETING

Program: 1) Presentation of the Walter Lum Scholarship.

2) Presentation by Mr. Robert Watada, Executive Director, Campaign Spending Commission, on the campaign spending issues that were the subject of legislation during the 2002 Legislative Session and how the engineering profession can assist with future legislation.

Date: **Thursday, May 16, 2002.**

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 "ASCE-Hawaii Section." Mail to Walter Billingsley, ASCE Treasurer, Belt Collins Hawaii, Ltd., 680 Ala Moana Blvd., 1st Floor, Honolulu, HI 96813-5406 postmarked by Monday, May 13, 2002. Reservations to Walter Billingsley by Monday, May 13, 2002 by phone at 539-1432, fax at 538-7819 or email at wbillingsley@beltcollins.com.

EXECUTIVE COMMITTEE MEETING

HIGHLIGHTS

April 4, 2002

2002 CALENDAR OF EVENTS

(subject to change)

June 2002 - Hosted by the Construction Committee

July 2002 - Hosted by the Geotechnical Committee

August 2002 - Hosted by the Structural Committee

45th HAWAII STATE SCIENCE & ENGINEERING FAIR

Congratulations to the following recipients of this year's ASCE Hawaii Section - Science & Engineering Fair Awards:

- Junior Research to Joelle Tanaka - "Retaining Walls and Beach Erosion"
- Senior Research to Nainoa Carvalho - "What Section of the North Shore has the Most Pollution in the Form of Airborne Particles?"
- Teacher award to Robert Donaldson, Kailua Intermediate

ASCE HAWAII SECTION 150TH ANNIVERSARY POLO SHIRTS FOR SALE

The ASCE Hawaii Section, in support of ASCE's 150th Anniversary, is selling navy blue Polo Shirts in men and women styles for \$30. The polo shirts have the "ASCE Hawaii Section Founded 1937" logo on the left chest area and the official ASCE 150th Anniversary logo on the left sleeve. Support ASCE's 150th Anniversary by buying a Polo Shirt. Contact Tony Lau at or by phone at 524-3771 to place your order. Get yours today!!

HAVE AN ENGINEERING POSITION TO FILL?

Have you visited the ASCE Hawaii Section Job Listing web site recently? Yes, ASCE Hawaii Section has developed a new web page that allows the posting of job openings for the civil engineering community. For a minimum monthly fee of \$40/month, you can advertise up to five job openings to over 1,000 ASCE Hawaii Section members. The ASCE Hawaii Section website is linked with other ASCE section and ASCE student chapter websites, expanding the number of civil engineers with access to your job listing to over 123,000 worldwide. Over the last two years, there have been over 6,000 visitors to the ASCE Hawaii Section website.

Your job listing can be designed to include your company or department logo and any information you require. Please visit our ASCE Hawaii Section website to view our current posted job openings at www.ascehawaii.org.

For further information, please contact ASCE Hawaii Section's webmaster, Joanna Seto at (808) 586-4329 or at jseto@eha.health.state.hi.us.

DONATION REQUEST FOR SECOND ASCE SCHOLARSHIP FUND

Why not show your support for our Civil Engineering students at the University of Hawaii by sending in a donation for the second ASCE Hawaii Section Endowed Scholarship Fund. Your donation can be written off on your 2002 Taxes. Please send your contribution to Scholarship Chair Joanna Seto at the ASCE Hawaii Section address.

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2001-2002 OFFICERS

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	<i>lornish@hotmail.com</i>	

Next YMF General Meeting

The next YMF general meeting is scheduled for Thursday, May 2, 6:00 p.m. at Shooters at Eaton Square. If you are interested in attending to find out what the YMF is all about and how much fun we have, please call Director Willie Gacutan at 847-3763, x212.

YMF Storm Drain Stenciling in May

The YMF will participate in the City and County of Honolulu's Storm Drain Stenciling program on Saturday, May 18th from 9:00 a.m. to 12:00 p.m. Participants will meet at Manoa Elementary School at 9:00 a.m. to stencil sites within Manoa Valley. If you would like to volunteer your time to help keep waste out of our storm drainage systems, please contact Tony Lau at 522-7426. Lunch will be provided.

Summer 2002 YMF PE Refresher Course

For the first time, the State of Hawaii will be offering the Professional Engineer's Exam in October 2002. ASCE Hawaii YMF is organizing a refresher course for this exam. The 3-hour classes will be held for 11 consecutive Saturdays beginning on July 20, 2002. If you are interested, please contact YMF PE Refresher Course Chair Tony Lau at 522-7426 or e-mail him at tlau@hawaiiipacificengineers.com. A registra-

ACI Concrete Field Technician Program - Grade 1 Certification

Sponsored by the Cement and Concrete Products Industry of Hawaii

The ACI Certification Program for Concrete Field Testing Technician - Grade 1. 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 4, 2002 from 8:30 a.m. to 3:00 p.m. at Hawaiian Cement (Halawa Valley Plant) Halawa Valley Road, Aiea, Hawaii.

Session II Examination (Performance & Written): Saturday, June 8, 2002.

Time to be announced. Location will be Hawaiian Cement at Halawa Valley Plant.

Registration is \$200 per person and includes seminar, books and exam. One retesting session will be scheduled for examinees that do not pass written or practical test. Cost is \$100 per written or practical exam - \$175 to retake both. Class size is limited to 15 people. Registration deadline is May 3, 2002.

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



tion form may be downloaded from the Hawaii YMF website at www.ascehawaii.org/ymf.html. A minimum of 10 attendees is required to hold the class.

Employee Recognition Award

Nominations are now being sought for the Employee Recognition Award. For nomination forms please contact Paulette Chang at pchang@hawaiiipacificengineers.com.

ASCE Job Classified

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

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SUMMER 2002 ASCE YMF PE EXAM REFRESHER COURSE

Dates: Saturdays, July 20, 2002 to September 28, 2002
Time: 9:00 a.m. to 12:00 p.m. (An afternoon class from 1:00 p.m. to 4:00 p.m. may be added if there is enough interest)
Location: University of Hawaii, Holmes Hall, 2540 Dole Street, Room 142B
Cost: \$285 Early Registration Fee for ASCE Members
\$360 Early Registration Fee for Non-ASCE Members

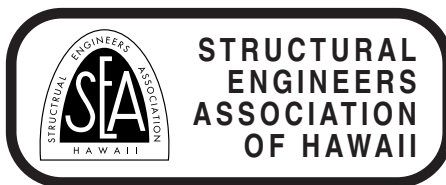
Early Registration Deadline is July 1, 2002. Add \$25 late fee to registration fee if payment is postmarked or delivered after July 1, 2002. Class size is limited and registration is done on a first-come first-served basis.

For the first time in the State of Hawaii, NCEES will be administering the Civil Professional Engineering Exam in October. The Summer 2002 ASCE YMF PE Exam Refresher Course will assist engineers in preparing for the "breadth-and-depth format" of the civil engineering professional examination. The class lecturers are:

Structural Engineering, Mr. Ron Iwamoto, KAI Hawaii
Highway Geometry, Mr. Randall Urasaki, Parsons Brinckerhoff
Traffic Engineering, Mr. Wayne Yoshioka, Parsons Brinckerhoff
Geotechnical Engineering, Dr. Brennon Morioka, URS
Environmental Engineering, Mr. Raj Rath, C&C of Honolulu, Dept of Design and Construction
Hydraulics/Hydrology, Mr. Raj Rath, C&C of Honolulu, Dept of Design and Construction

In addition to copies of the individual lecturer notes and study supplies, class attendees will receive a copy of Michael R. Lindenburg's Civil Engineering Reference Manual for the PE Exam, 8th edition. Attendees will also have the option of ordering additional reference material at discounted prices.

To sign up for the Summer 2002 ASCE YMF PE Exam Refresher Course, please contact Tony Lau at 522-7426 or tlau@hawaiiipacificengineers.com. Class registration forms may be downloaded of the ASCE Hawaii YMF website at www.ascehawaii.org/ymf.html.



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HIGHLIGHTS OF BOD MEETING

April 3, 2002

Committee Reports:

Japan Convention Committee is finalizing the Convention program. So far 50 participants have signed up and registration remains open till May 1, 2002. Details can be viewed on the SEAHO website.

Website Committee is searching for an individual to maintain the SEAHO website.

Old Business:

Credit Card Payment: C. Ellingson will research and submit a recommendation to the Board on implementing a credit card payment process for SEAHO events. It was pointed out that credit card payment for SEAHO events would be well received by many government and private businesses.

Access Database: The committee is tasked with converting membership information from an Excel worksheet to an Access database. Query fields are presently being developed.

New Members: Akira Usami, Raymond Nii and Mark Geoghegan were voted in as new members in their appropriate membership categories.

New Business:

T. Tanimura reported that he has received a good response from the membership for serving on various committees. There are still a number of single-member committees so members are urged to visit the SEAHO website and sign up for any of the committees listed.

Scholarship Committee has proposed establishing a scholarship program through the University of Hawaii Foundation. The proposal will be discussed at a future meeting after all Board members have reviewed the Committee's recommendation.

Next BOD Meeting: Wednesday, May 1, 2002, 11:45 a.m.

"Understanding Today's Concrete" by Kenneth C. Hover

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

Obtain a better understanding of today's concrete for its intended performance. This seminar is especially designed for contractors, inspectors, and structural/civil engineers. The topics will address the proper specifications of concrete mix designs, explain the interaction of concrete mix components, provide expectations in the quality of concrete delivered to the jobsite, and the challenges of concrete construction in Hawaii's environment.

Featured speaker is Kenneth C. Hover, Ph.D, a registered engineer and member of the board of directors of the American Concrete Institute.

Tuesday, May 14, 2002 from 8 a.m. to 3:30 p.m. at Pagoda Hotel C'est Si Bon

Registration is \$120 per person (UH students \$40 per person) and includes seminar, handouts, continental breakfast, and lunch. Class size is limited. Registration deadline is May 7, 2002.

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

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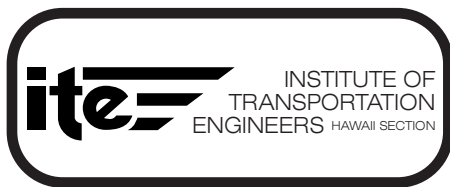
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Susan Uejo	Treasurer		
Irene Quiaoit	Stud. Contact	946-2277	946-2253
<i>traffic@wilsonokamoto.com</i>			

March Meeting Highlights

The March meeting was a joint dinner meeting held with the American Society of Civil Engineers (ASCE) on March 21, 2002 at the Maple Garden Restaurant. The first speaker was Blaine Leonard, ASCE's District 11 Director who described the extensive preparations made by the Utah Department of Transportation (UDOT) for the recent 2002 Winter Olympic Games in Salt Lake City, Utah. The events for the Winter Games took place at eleven sites within a 40 mile radius of downtown Salt Lake City. In order to accommodate the anticipated influx of people and vehicles, UDOT undertook a public outreach program to educate the public about issues such as which streets would be closed, when those streets would be closed, and approximate travel times that the public could anticipate. In addition, UDOT made modifications to its public transportation system and roadway network within the Salt Lake City area. Some of their projects involved the expansion of their light rail system, addition of special roadway and variable message signs, and the installation of a traffic camera system.

The second speaker was Jack Weaver, Implementation Manager for Poltech International Ltd., who spoke about the "Hawaii Photo Enforcement Demonstration Project: Overview and Technical Details." Mr. Weaver described how the red light and speed camera systems' equipment worked and answered questions about the on-going enforcement program.

Engineers' Week Highlights

Engineers' Week concluded with a banquet held on February 22, 2002. At the banquet, awards were handed out for the exhibits showcased during the week at Kahala Mall. The ITE Hawaii Chapter received a first place award for their display involving traffic signal operations and equipment. In addition, the ITE Student Chapter received a third place award for their exhibit involving the uses and effectiveness of traffic calming measures.

May Meeting Announcement

The May Section meeting date, location, and guest speaker will be announced at a later date. Meeting notices are forthcoming.

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<i>sseu@hei.com</i>			
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<i>tgkona@hawaii.rr.com</i>			
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<i>rsmith@parkerranch.com</i>			
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<i>ehy@mauigateway.com</i>			
Treasurer	Ken Rappolt	536-6621	523-1738
<i>ken@lyonassociates.com</i>			
Past Pres	Curtis Beck	969-0134	969-0135
<i>cbeck@hei.com</i>			
Nat Dir	Bruce Witcher	334-0322	334-0831
<i>bewitch@ihawaii.net</i>			

Highlights of State BOD Conference Call

April 10, 2002

President Kirk Tanaka praised the efforts of the MathCounts steering committee on a well-planned and clockwork-like competition. Kirk also praised and recognized the commitment and generosity of major sponsors Kamehameha Schools, Aloha Airlines, and Hawaiian Electric Company. The State winning team was Iolani, followed by Punahou and Waiakaea. Iolani Coach Li Ann Wada will accompany the Hawaii team consisting of the top four Countdown Round winners: Nolan Chung, Kevin Sin, Bryce Lee of Iolani and Eugene So of Punahou. Best wishes to Hawaii's team as they compete in the National Finals on June 14, 2002 in Chicago, Illinois. For a complete report visit HSPE's website at www.eng.hawaii.edu/~hspe.

NSPE ballot is included in the March 2002 Engineering Times, and was mailed to each HSPE member. The receipt deadline at NSPE is May 1. Please take the time to vote and return your ballot. The board supports the 2002-2003 officer nomination of Teresa A. Helmlinger, PE, NSPE of North Carolina to the office of President-Elect, and Robert S. Miller III, PE, NSPE of Virginia to the office of Treasurer. The board also supports the proposed Constitutional Amendments regarding Affiliated Groups and Constitutional Amendments. The board also congratulated Clyde Nagata, PE, FNSPE of Hilo, the current NSPE Western Region Vice-Chair of Professional Engineers in Industry, for accepting a national officership in PEI, and Curt Beck, PE, NSPE of Hilo for accepting the nomination to succeed Clyde as WR PEI Vice-Chair. HSPE's Scott Seu, 2002-2003 state president will attend the NSPE Annual Meeting in Orlando to witness Clyde and Curt's installation.

Russ Figueroa and RM Towill Corporation have agreed to chair this year's HSPE Scholarship Golf Tournament. The tournament on Friday, September 20, 2002 supports three \$2,000 scholarships to freshmen entering the University of Hawaii College of Engineering. Mark your calendars for the 12:30 pm shotgun start at the West Loch Golf Course. HSPE thanks Russ and RM Towill for chairing this year's event, and Larry Agena, Royden Ishii and Belt Collins for chairing last year's event. We look forward to seeing all you golfers and

hackers there to support our future engineers.

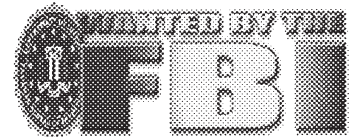
The NSPE Licensure Laws Manual has been delivered to the Board of Professional Engineers, Architects, Surveyors, and Landscape Architects (EASLA) Executive Officer James Kobashigawa. The updated manual identifies the license laws across the country and is available at a discount to NSPE members. Visit the NSPE website via a link on the HSPE website. Please be reminded to renew your professional license that expires on April 30, 2002. Visit the online renewal via a link on the HSPE website.

The EASLA board, by consensus, disagrees with NSPE's model for engineering licensure as noted in the minutes of their March 7, 2002 meeting. The HSPE board supports the model; however, has requested clarification from NSPE on the content of the examinations. The content of these license examinations appear to be the areas of concern.

Honolulu Chapter President Sheryl Nojima, PhD, PE, NSPE presented candidate Greg K. D. Chung for endorsement for the NSPE Educational Foundation Steinman Fellowship Scholarship. The \$10,000 graduate studies scholarship, named after NSPE founder David B. Steinman, is awarded to assist a young engineer pursuing a graduate degree in engineering. The board supports the endorsement.

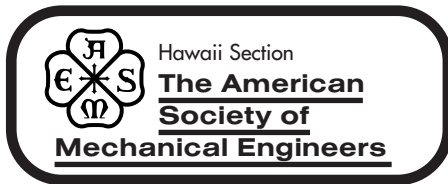
Mark your calendars for the installation of 2002-2003 HSPE state and chapter officers. Officers will be installed by NSPE Western Region Vice President V. Alan Werner, PE, NSPE (Washington State) on Thursday, June 13 (Maui); Friday, June 14 (Hilo - Hilo/Kona joint installation); and Saturday, June 15 (Honolulu - Honolulu/State joint installation).

Please visit the HSPE website to keep abreast of these and other issues.



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Vice-chair	To be determined	
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Secretary	Sam Gillie	543-4739
Dir 1-yr	Ed Chang	543-4227
Dir 2-yr	Ron Flegal	455-0254

**MAY 2002 DINNER MEETING NOTICE
"Lifting Body Ship Technology for Transformational Ship Designs"**

Date: Wednesday, May 15, 2002
 Time: 5:30 p.m. Attitude Adjustment Time
 6:00 p.m. Dinner, 7-course Chinese
 6:45 p.m. Program
 Place: Happy Days Restaurant, 3553 Waiialae Ave., at the corner of Waiialae Ave. and 11th Ave. in Kaimuki
 Cost: \$18 per person

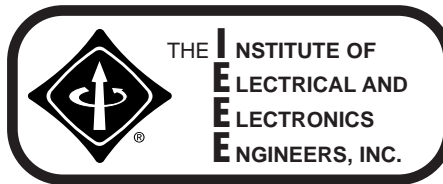
AGENDA: Todd J. Peltzer, PE, of Navatek, Ltd. (a subsidiary of Pacific Marine & Supply Co., Ltd.) will present the "Lifting Body Ship Technology for Transformational Ship Designs." Navatek, Ltd. based in Honolulu, is a world leader in the design and construction of high-tech ships. The company holds U.S. patents on its SWATH and MIDFOIL ship designs. Starting with the design and construction of Navatek I, Navatek has designed and built a number of innovative hull concepts and it continues to break new ground with its current projects. This presentation will give an overview of Navatek's unique lifting body ship technology and its application to military and commercial ship design. Please call Sam Gillie (543-4739) or Jim Grogan (254-2947) for more information and to let us know who is attending. (MIDFOIL photo courtesy of Navatek, Ltd.)

TOUR PLANNED OF THE HAWAII MEDICAL VITRIFICATION PLANT

Date: Saturday, May 25, 2002
 Time: 10:00 a.m.
 Place: 91-181 Hanua Street in Campbell Industrial Park (across from H-Power Plant).

As ASME-HI's Power Technical Chapter ongoing bimonthly activities, we will tour the Hawaii Medical Vitrification plant. This facility deploys the Plasma Enhanced Melter technology to eliminate medical waste products in an environmentally responsible way. It produces virtually no pollutants, generates no unwanted by-products, recycles most of the end-of-process materials, and creates an economical alternative to existing waste management practices. The Plasma Enhanced Melter uses temperatures equal to that of the sun in an oxygen-free vessel. Please contact Ed Chang at 543-4227 for more information.

TO ALL INTERESTED COMPANIES. THE DEPARTMENT OF BUSINESS, ECONOMIC DEVELOPMENT AND TOURISM/ ENERGY RESOURCES AND TECHNOLOGY DIVISION IS CONTINUING TO SEND OUT INVITATIONS TO BID REGARDING INFRASTRUCTURE PROJECTS IN CHINA. IF ANY COMPANY WOULD LIKE TO GET ON THE E-MAIL LIST, PLEASE CONTACT MR. ALVA NAKAMURA AT 586-2751 or e-mail him at anakamura@dbedt.hawaii.gov.



IEEE Hawaii Section

P. O. Box 37895, Honolulu, Hawaii 96837
 Email: sec.hawaii@ieee.org
 Web Page: <http://community.hei.com/ieee/>

2002 Hawaii Section Officers

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	(oscar.libed@ieee.org)	
Vice Chair:	Grant Torigoe	833-8889
	(torigoe@ieee.org)	
Secy/Treas:	Mark Rognstad	956-8712
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Past Chair:	Norm Kawachika	531-1308
	(normk@ieee.org)	
Past Chair:	Fred Kobashikawa	543-7753
	(fkobashi@ieee.org)	

Section Committee Chairpersons

HCES Rep:	Norm Kawachika	531-1308
Membership:	Allison Lee	
	(all@spectra.eng.hawaii.edu)	
Past Member:	Al Toda	455-1331
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Prof. Act.:	Grant Torigoe	833-8889
	(torigoe@ieee.org)	
Student Act.:	Tep Dobry	956-9740
	(tep@ieee.org)	
Ocean Engineering Society:	Mark Rognstad	956-8712
	(mark_rogstad@ieee.org)	

IEEE General Membership Meeting for May

When: TBA, check website at <http://community.hei.com/ieee>
 Where: UH Manoa - Specific location TBA.
 Time: 5:30pm
 Dinner cost: No Charge but please RSVP
 Subject: FIRST Robotics & MicroMouse Demonstration

Following the great success and interest in these amazing local projects at last years May meeting, we have decided to follow up with an update for 2002. Members of the UH

Micromouse teams will present their incredible autonomous maze solving mice and tell us how they did at the competition in Chico, CA in early May.

This will be followed by video and demonstrations of the robots built by McKinley, Waiialua, and Waipahu High Schools that competed in the FIRST Robotics competition.

All of the robotic activity will be happening at UH Manoa. Specific location & date to be determined and announced on the I.E.E.E Hawaii website <http://community.hei.com/ieee>. We'll have pizza & drinks starting at 6pm, free for all attendees. Please RSVP Grant Torigoe, Ph:840-2970, Cell:258-8881, Email: gt@gte.net.



1999-2000 CHAPTER OFFICERS

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President	Jay T. Higashi	526-9019	537-5385
Vice-Pres	Bob Lohaus	833-4095	
Secretary	Mel Harano	848-6966	848-6964
Treasurer	Samuel Dannaway	526-9019	537-5385

HANGERS AND SEISMIC BRACING FOR FIRE SPRINKLER SYSTEMS

Date: Friday May 5, 2002
 Time: 11:30 a.m. to 1:30 p.m.
 Location: Best Western Plaza Hotel, 3253 North Nimitz Highway, Orchid Room
 Cost: \$20.00 (\$16.00 for SFPE Members and Chapter Friends)

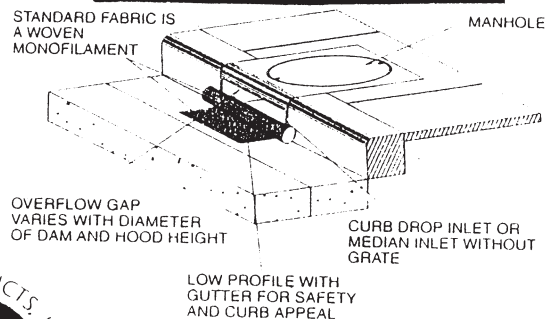
Our Guest Speaker will be Mr. George Von Gnatensky, of Tolco, Inc.

Please call 526-9019 for reservations by Thursday May 2, 2002

Program Chair: Samuel S. Dannaway, P.E., S. S. DANNWAY ASSOCIATES, INC.

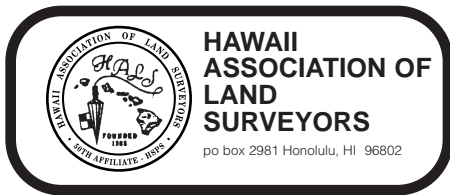
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NSPS Gov	Patrick Cummins	247-6602
Past Pres	Byron Komatsu	692-7599

HAWAII ASSOCIATION OF LAND SURVEYORS PRESENTS
Boundary Retracement for Field Crews

Pagoda Hotel, C'est Si Bon Makai Room
 Saturday, May 11, 2002
 8:30am till 2:00pm

Cost: \$25.00 (Members)
 \$30.00 (Non-Members),
 (Lunch & drinks are included)

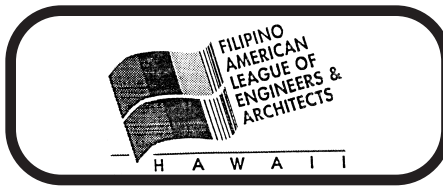
Presented by: Andy Harada, LPLS and Patrick M. Cummins, LPLS

This workshop is intended for field crews that perform boundary surveys. In addition to field procedure information, the material covered will include: background information establishing the scope of the survey; research; preparation of control and boundary information for the field crew; surveying fundamentals and procedures for locating boundary evidence and the importance of each piece of evidence gathered; how far to search and locate and why; what the licensed surveyor needs from the field crew to make good decisions; how existing boundary monuments and physical evidence is analyzed and compared to record data, legal guidelines and probable location of corners; tolerances; how field data is used by the licensed professional to determine proper corner locations, and much more.

Pat Cummins is owner of Hawaii Land Consultants and has been registered as a professional land surveyor since 1981. His knowledge and experience in boundary surveys dates back to 1969. Pat teaches CE 491, "Professional Land Surveying in Hawaii", at the University of Hawaii, College of Engineering, is a co-author of the NBI handbooks "Boundary Law in Hawaii" and "Boundary Disputes in Hawaii", and has presented numerous workshops on boundaries and Hawaiian Land Matters topics for HALS and ACSM. He currently serves on the NSPS Standards Committee and the ACSM/NSPS ALTA Committee.

Andy Harada has been registered as a professional land surveyor since 1986. He has been working as a project surveyor for Engineers Surveyors Hawaii since May of 2000. His last position held at the City was Surveyor Branch Chief, Division of Land Surveying & Acquisition.

For more information and to register, please call Kevin Kea at 521-7491.



P.O. Box 4135, Honolulu, Hawaii 96812
 Website: <http://www.falea.org>

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	Alfredo A. Quibol	678-2572

Kokua Kalihi Valley Comprehensive Family Services

Members of FALEA volunteered their services to teach about 20 individuals who are hoping to qualify for work at Pearl Harbor Navy Ship Yard's Apprenticeship Program. For the months of April and May, the students will be

developing their skills in algebra and geometry as well as reading and writing courses. Classes are held every Tuesday and Thursday from 6-8pm. Mr. Greg Garcia is currently spearheading this course.

Basketball Tournament

Teams are currently getting organized for this event that involves family and friends of FALEA. Participation for this tournament has always been popular. Please call Oscar Paez for further information. Tournament will begin sometime in May and end in June.

FALEA Golf Tournament

Open to members and guests. This golf tournament is designed to develop and strengthen ties among FALEA members and guests while raising scholarship funds to support college students pursuing a career in engineering and Architecture. Tournament will be held at Coral Creek Golf Course, Ewa Beach on Saturday, June 1, 2002 at 11:44 am. Please call Greg Garcia (383-7177) or Leo Obaldo (398-3131) for details.



PO Box 12204 Honolulu, HI 96828

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DIRECTORS:	Lloyd P.C.W. Lee	
	Michael Y. Magaoy	
	Randolph H. Murayama	
	Wayne H. Nakamura	

ANNUAL GENERAL MEETING

The 2002 EAAUH General Meeting will be held at the Honolulu Country Club on Wednesday, June 12, 2002. We will be electing and installing the 2002-2003 officers and will update you on all the activities the EAAUH has been involved in over the past year. If you would like to attend, or for more information, please contact Carrie Matsuzaki at 956-2286.

2002 EAAUH GOLF TOURNAMENT

It's golf time! (Well, almost.) The 2002 Engineering Alumni Association Golf Tournament will be held on Friday, July 26, 2002 at the Leilehua Golf Course. This golf tournament is an annual event sponsored by the EAAUH to raise funds for six UH College of Engineering Freshman Scholarships. Now in its 25th year, the EAAUH Golf Tournament has become an extremely successful fundraiser and is attended by over 200 Alumni and friends. The tournament announcement flier will be sent out to the general membership later this month.

2003 LAS VEGAS TRIP

For the first time ever, the EAAUH is planning an Alumni trip to **LA\$ VEGAS** for the Spring of 2003. To all those who are interested in attending, or who want to help us plan this event, contact Diane Kodama at 521-3051.

HAWAII ASSOCIATION OF LAND SURVEYORS PRESENTS
AUTOCAD 2002

Pagoda Hotel, C'est Si Bon Makai Room
 Saturday, May 25, 2002
 8:00am till 2:00pm
 Cost: \$20.00 (Members)
 \$25.00 (Non-Members)
 Featuring Ms. Felicia Provencal

Felicia Provencal is an Autodesk AEC Consultant, e-Learning Provider, and Technical Specialist based on Maui. She has over 15 years of experience working with CAD products in various fields within the AEC industry. She currently offers consulting, training, and customization services and teaches CAD drafting and design, networking, and programming classes through Maui Community College and Hawaii Community College on the Big Island.

A brief description: This workshop will teach you how to use the tools in Autodesk Land Development Desktop to quickly and accurately create topographic maps from survey data. We will start with raw survey point data and use description key codes to add symbols and layering, and the elevation data to create contour maps. Topics also include how to use breaklines and creating mapcheck reports from survey points. Linework will be generated and annotated for property lines, tree lines, and topo features such as road centerlines, EP's, and banks.

For more information, please call Kevin Kea at 521-7491.

**HAWAII CHAPTER**

P.O. Box 508, Aiea, Hawaii 96701
 Phone: (808) 485-1400 Fax: (808) 485-1500
 Web Page: www.lgsea.com

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Director	Ron Iwamoto	533-2210	533-2686
Director	Mike Kasamoto	955-6834	955-2483
Director	Jim Walfish	737-0141	734-2177
Director	Colleen Miyasato	735-3211	735-3280
Director	Darin Okuda	689-5400	689-5406
Past Pres.	Les Nagata	951-5916	941-6489

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Technical:	Bennett Fung	531-1308	521-7348
Membership:	Adrian Lee	951-5916	941-6489
Corp. Spon.:	Ron Iwamoto	533-2210	533-2686
HCES:	Ather Dar	486-2092	486-9261

COMING EVENTS

June 13, 2002 General Membership meeting: "Steel Trusses: The Latest Technologies" Presentations by truss material manufacturers, truss fabricators, and fastener suppliers.

August 7, 2002 General Membership meeting: "Issues in Light Gauge Steel Design and Construction Today" Joint meeting with HPSFA in a round table discussion format.

November 6, 2002 General Membership meeting: "Vibrations in Light Gauge Steel Framing Design" or "Project Profiles".

MEMBERSHIP IN LGSEA

LGSEA membership is open to engineers, architects, and trades people interested in light-gauge steel framing. Membership is \$50 per year. Call Brian Ide at 536-2108 with any questions and Adrian Lee at 951-5916 for membership forms.



2540 Dole Street, Holmes Hall
 Honolulu, Hawaii 96822

COLLEGE DEANS AND CHAIRS

Dean	W.F. Chen	956-7727
Chair, CE	Edmond Cheng	956-7550
Chair, EE	Anthony Kuh	956-8403
Chair, ME	Bruce Liebert	956-7167

CIVIL ENGINEERING SEMINARS (CE 691)

Spring Semester 2002

ALL ARE WELCOME!

LOCATION: Holmes Hall 243, Department of Civil Engineering, University of Hawaii at Manoa

TIME: 3:30 p.m.

MAY 3: Michelle Teng, University of Hawaii Civil Engineering Dept. Numerical and experimental study of the effect of beach roughness on ocean wave run-up.

2002 NATIONAL PUBLIC WORKS WEEK

The American Public Works Association (APWA) proclaims May 19-25, 2002, as National Public Works Week to foster a better understanding of public works activities in our community and their impact on our quality of life. Events scheduled for the week include an exhibition of public works projects and services at Kahala Mall from May 20-26. The exhibit will hopefully educate our communities on the importance of our public infrastructure and public works services and will acquaint young people to the professional opportunities in a growing field.

Another event will be the Emmys? Grammys? Oscars? No, the Annual Awards Luncheon for the Hawaii Chapter of the APWA to honor this year's top performers of the state's top Public Works Projects of the Year. The luncheon will be held at the Honolulu Country Club on Thursday, May 23 from 11:30 a.m.-12:30 p.m., and the cost is approximately \$25.

The National Public Works Week also serves as a time to recognize the contributions of public works professionals who design, build, operate, and maintain the transportation, water supply, sewage and refuse disposal systems, public building and other structures and facilities essential to our economy and way of life. They are, in short, the people who maintain and improve the systems and services vital to a community's health, safety and comfort.

The 2002 theme is "Committed to Our Communities." This year's poster features the people of public works as revered guards of civilization standing proudly to face challenges. Public works employees are Everyday Heroes who are charged to maintain and protect our cities' most valued assets and services.

If you are interested in attending our luncheon, please contact Ensign Michael Goolsby at 474-1443 for details and a sign up sheet for your organization or are interested in participating in the Kahala Mall exhibit, contact Lois Chong at 527-6981.

THE APWA 9th ANNUAL EDUCATION FUND GOLF TOURNAMENT

The APWA recently held their annual education fund golf tournament. One hundred twenty seven players showed up at West Loch Golf Course on a beautiful Friday afternoon in April. New to the tournament this year was a challenging "pink ball contest". Each player in the team took turns hitting a pink golf ball for a combined "pink ball" team score. This is in addition to their own individual score. The difficult part is each team only gets one pink ball at the start of the tournament so if you lose the pink ball...your team is out of the contest. Talk about pressure! We heard several teams purposefully lost their pink ball to reduce the stress! Overall, everyone had a good time. Thanks to the generosity of all those participants, APWA will be able to fund its scholarship program for the coming year - helping eligible high school students with bright futures in the public works arena. A big MAHALO from APWA goes out to all those who contributed.



WILIKI AD

KNOW YOUR ASCE HISTORY

by C.S. Papacostas

An ASCE Hawai'i Section committee consisting of Past Presidents Richard Cox, Dudley Pratt, and yours truly has prepared a proposal to designate the East Maui Irrigation (EMI) system as a Historic Civil Engineering Landmark.

EMI was selected to be representative of the many "ditch" systems built in 19th century Hawai'i to support the sugar industry that dramatically changed the economy of the kingdom. Two major ingredients were needed for the sugar industry to prosper: land and water.

As I have explained in earlier articles, a transition to private ownership of land followed the "mahele" (i.e., "division") of 1848. This development forever changed the use of land from the traditional system of self-sufficient ahupua'a supporting dispersed settlement to today's dispersed ownership of land parcels. Reverberations of this fundamental change are heard in modern controversies involving what came to be known as "ceded lands."

Water use has also had a complex and contentious history. My April 2001 article pointed out, for example, the interplay between ancient native practices, common-law riparianism, the concept of prior appropriation, and the 1987 State Water Code's establishment of the public use doctrine relating to water rights.

With only a single notable exception, traditional native practice did not involve the diversion of water away from streams and rivers. The famous "Menehune Ditch" on the west side of Kauai, with its unusual stone lining, was the exception; some even claim that this aqueduct antedated the arrival of the kanaka maoli to Hawai'i.

Our nomination committee discovered a groundbreaking "Letter from Attorney General William R. Castle to His Excellency Wm. L. Moehonua, Minister of the Interior, dated 7 September 1876."

The Attorney General's opinion addressed an application by "Messrs Castle and Cooke, representing the Haiku Sugar Company, Alexander and Baldwin, James M. Alexander, the Grove Ranch Plantation and Capt. Thos H. Hobron ... to take water from several streams, in Koolau Maui, to be carried to their respective sugar plantations, for purposes of irrigation." His understanding was that the application was not "for land, nor ... for an absolute sale or grant of the waters... [but] for a license; the license to take and use water, conveying the same in part over several government lands."

The opinion favored the granting of the license partly because "[t]he Reciprocity Treaty having passed and a brighter future opening for the country, it becomes the duty of the Government to aid and foster in every possible way the agricultural interests of the country upon which our prosperity mainly depends."

AG Castle justified granting the license to private parties because unlike "the case in some of the European nations," the Hawaiian Government was "not prepared to engage in any such development of internal resources" and that "[u]ntil the government is ready to undertake such work - no obstacle should be thrown in the way of others, who are able and

ready to commence such work."

And thus changed the flow of history!

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@wilki.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>.

ASCE, from page 4

ASCE NATIONAL AWARDS

ASCE National Awards objective is towards the advancement of the engineering profession through the recognition of exceptionally meritorious achievement and has done so by offering numerous awards throughout the year. The following is a list of the upcoming awards and their due dates.

- **ASCE Excellence in Journalism** - This award honors a newspaper journalist(s) for their outstanding articles that enhance the public understanding of the role and impact of civil engineers and the designing of civil engineering solutions. Due June 1, 2002.
- **Civil Government** - This award recognizes engineers who have rendered meritorious service in elective or appointive positions in government. Due June 1, 2002.
- **Edmond Friedman Professional Recognition** - This award recognizes engineers who have contributed substantially to the status of engineering by established reputation for professional service, improving conditions under which professional engineers serve the public, education and guidance of young engineers. Due June 1, 2002.
- **John I. Parcel -Leif J. Sverdrup Civil Engineering Management** - This award recognizes the contributions of an engineer in civil engineering management. Due June 1, 2002.

Please contact our Awards Committee Chair, Bert Saito, at 842-1133 or berts@rmtowill.com for more information.

MEMBERSHIP COMMITTEE

Can you use \$5,000? Members who recruit 150 new, paid members between April 1, 2001 and September 30, 2002 will receive \$5,000 from ASCE. Please contact our Membership Chair, Stacie Saito, at 449-9195 or stacie@rmtowill.com for more information.

150th ANNIVERSARY OF ASCE

ASCE is the nation's oldest and most prominent engineering society in the world. Join the celebration on November 5, 2002 in the nation's capital, Washington D.C. Please contact Delwin Ching (dching@hgea.org) to find out more information.

GET CONNECTED AND KEEP UPDATED

Do you currently receive ASCE dinner meeting notices by e-mail? If not, get onto the ASCE Hawaii Section's e-mail list. Sign up now to receive quick updates on all ASCE Hawaii Section activities such as legislative affairs, Section meetings, workshops, field trips, new job listings and future issues of Wiliki O Hawaii.

Visit our website at www.ascehawaii.org and register to be on the ASCE e-mail list. There is no charge. However, you must be a current member of the Hawaii Section and have your ASCE membership number available when registering.

ASCE YMF, from page 5

2003 Western Regional Younger Member Council

The Hawaii YMF will be hosting the 2003 Western Regional Younger Member Council (WRYMC). The WRYMC will be held from February 28 through March 2, 2003. The WRYMC consists of delegates representing younger member groups from the states of Montana, Idaho, Washington, Oregon, California, Nevada, Utah, Arizona, Alaska and Hawaii. The meeting allows young engineers to develop leadership skills, share activity ideas, interact with ASCE National officers and network with other ASCE members. The Hawaii YMF will be able share our state with the mainlanders. The Hawaii YMF is looking for volunteers to assist in organizing the WRYMC. If you would like to help, please contact 2003 WRYMC chair Tony Lau at 522-7426 or e-mail him at tlau@hawaiiapacificengineers.com.

YMF Beach Cleanup in June

The YMF will be cleaning up one of our state beaches in June. For more information, please contact Director Willie Gacutan at 847-3763, x212. Lunch will be provided.



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TEAMS, from page 1

The TEAMS exam is given in two parts. Part one consists of a series of objective multiple-choice questions related to various engineering situations. Part two requires students to describe and defend their solutions to open-ended, subjective questions related to problems from part one.

The TEAMS Competition is sponsored by JETS, a national non-profit education organization that helps promote interest in engineering, science, math, and technology. However, there was also local support for almost every school. Working engineers from various local companies and organizations donated their time to help prepare the teachers and students for the competition. These local companies and organizations also served as sponsors, providing time and monetary donations. This year's sponsors included:

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Society of American Military Engineers (SAME)

The answers from part one of the exam are corrected on the day of the competition and are used to determine local and state standings. The scores from the part one of the exam are also used to determine eligibility for national scoring. Answers from part two of the examination for eligible teams are sent to JETS to be corrected and to determine national ranking. Here are the results for the first part of the exam.

2002 TEAMS Exam 1 Competition Awards

Overall Varsity Trophy Winner: Seabury Hall
Varsity Divisions 4, 6, 8

- 1st Place Seabury Hall
- 2nd Place Hawaii Preparatory Academy (Team A)
- 3rd Place Punahou School (Team A)
- 4th Place Kamehameha Schools

Varsity Divisions 5, 7

- 1st Place Kailua High School
- 2nd Place Mililani High School
- 3rd Place Moanalua High School
- 4th Place Waianae High School (Team B)

Junior Varsity

- 1st Place Kamehameha Schools (Team A)
- 2nd Place Kamehameha Schools (Team B)

Top Scoring Teams in Each Division

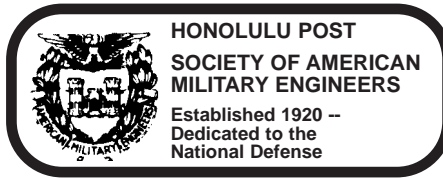
- Varsity Division 4 Seabury Hall
- Varsity Division 5 Kailua High School
- Varsity Division 6 Maryknoll High School
- Varsity Division 7 Mililani High School
- Varsity Division 8 Punahou School (Team A)
- Junior Varsity Kamehameha School (Team A)

Five varsity teams and one junior varsity team advanced to the national competition. The varsity teams from Kailua High School, Maryknoll School, Mililani High School, Punahou School (Team A), and Seabury Hall advanced. Kamehameha Schools (Team A) junior varsity team also moved onto the national competition. Their scores will be competing with all the other schools that qualified for the TEAMS national competition.

The TEAMS competition offers students the opportunity to see how engineering touches every aspect of society and see how the math and science they are learning in school is used in the field of engineering. It's also a great learning experience for students because it teaches them how to work in a team and to think critically to solve problems.

At the end of the day, many of the students who participated used a potpourri of words to describe their TEAMS experience: fun, grueling, exciting, educational, insightful, difficult, and enjoyable. How many tests can be fun, difficult, and exciting all at the same time? There's only one exam that can say that: TEAMS.

If you would like to support the 2003 TEAMS Competition please contact Cheryl Sato Ishii at 808-956-8404 or via email at . Editor's note: How does it feel to sponsor a team? See separate story on this page.



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2002 TEAMS COMPETITION A SUCCESS!

Editor's note: How does it feel for an engineering society to sponsor a TEAMS team? Read on.

The 2002 Tests of Engineering Aptitude, Mathematics and Science (TEAMS) competition was held at the University of Hawaii on Saturday, March 9. Sponsored locally by the College of Engineering on the Manoa campus, TEAMS is an annual competition among high schools and secondary schools throughout the nation, where students tackle math, science, and engineering problems during a 2-hour test. Over a dozen Hawaii high schools participated this year, with SAME members coaching teams from Maryknoll and Kailua High Schools.

Beginning in January, SAME volunteers gave their personal time to attend twice-a-week practice sessions mentoring and strategizing with the students in preparation for the competition. SAME sponsored the event, as it has the past few years, by providing the entry fee and t-shirts for the competitors.

This year's TEAMS competition was a great success! While both Maryknoll and Kailua had fun and gave it their all, Kailua was ecstatic to learn that they had placed first in their division. As champions, the TEAMS competitors for Kailua were awarded a field trip to the Pacific Missile Range Facility on Kauai. Said Iris Terashima, SAME volunteer, of Kailua's fine

performance, "Their preparation and confidence was obvious – and truly benefited the entire team."

The Society of American Military Engineers would like to give special thanks to those who supported TEAMS this year: Captain Ann Birchard (PACAF), Captain Scott Grainger (PACAF), Ensign Jeremy Ramsberg (PWC Pearl), Ensign Brian Cody (PWC Pearl), Chris Wright (PACAF), Iris Terashima (URS), Melissa Shimabukuro (URS), Kelly Busquets (USARPAC), and Scott Hartung (URS).

We look forward to continuing support of TEAMS in 2003!



Kailua High School students and mentors celebrate their victory in the 2002 TEAMS competition.



Competitors and coaches from Maryknoll High School demonstrate their pride and unity before the big event.

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