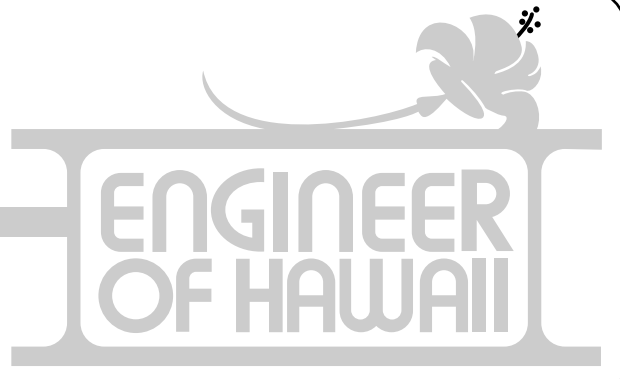


Wiliki o hawaii



VOL. 42 NO. 6

SERVING 2000 ENGINEERS & LAND SURVEYORS

AUGUST, 2006

KNOW YOUR ASCE HISTORY

by C.S. Papacostas

SEEING THE STREET LIGHT!

Last month, I mentioned a request for proposals issued in December 1884 for the construction of a water-impounding dam in Nu'uānu Valley, apparently based on Major A. S. Bender's specifications. On February 10, 1885, the Pacific Commercial Advertiser (PCA) endorsed the project by saying "... the work for which the Government has invited tenders is none too small for the supply of the city."

Bender's plans were never executed and a public debate about the relative merits of alternative sources failed to produce a clear winner for some time.

The waste of water from open channels and uncapped artesian wells in the presence of recurring shortages generated some interest in demand management through water metering but the implementation of pricing based on use had to await the passage of several decades. Arguing against metering was the observation "that the water meter has in some places been used as an engine of extortion" [PCA 3/2/1885], the need for the additional personnel and costs for the installation and regular reading of the meters and the question of what we now call "privatization," that is, whether "it is easier for a chartered company to institute such a system than the Government to do so." This issue surfaced around the time when "Sugar King" Claus Spreckels was accused that he "intended to convert the Water Works and harbor of Honolulu to his own use" [PCA 7/18/1886].

The annual rates for water in 1885 were reported to be \$15 dollars for a quarter-inch pipe, \$25 for half-inch and \$75 for a three-quarter inch opening [PCA 3/22/1885]. Pursuant to a legal notice issued on Nov. 5, 1885, fee collection was, in today's lingo, "outsourced" to W. R. Seal, Esq. Some consumers had even been given "free water privileges," a practice that Interior Minister Chas. T. Gulick ordered discontinued after June 30, 1886 [PCA 6/21/1886]. It is no wonder then that those who became accustomed to paying nominal (or zero) rates for practically unlimited quantities of water were not too keenly predisposed toward change!

While these policies were being considered, Charles B. Wilson, the Kingdom's Superintendent of Water Works and father of future Honolulu Mayor Johnny Wilson, attempted to optimize the city's supply by overseeing the drilling of artesian wells and the expansion of the inflows from Kapena Falls into a masonry distribution tank in Nu'uānu. For sanitary reasons, swimming in Kapena Pool was prohibited [PCA 3/26/1885].

And then, a milestone event occurred that suddenly enhanced surface storage feasibility: Hydroelectric power generation. On Dec. 1886, the PCA announced that "a specific sum has been appropriated in the Loan Act for lighting Honolulu by electricity," and on January 30, 1888, it predicted that the city was "to be lighted with electric light, as the wheel to run the water power is expected in the next steamer."

Electric lighting was not new to 1888 Hawai'i, but large scale street lighting was. In his "First and Almost Firsts in Hawai'i," Robert C. Schmitt tells us that in April 1879 the English naval vessel 'Triumph' turned on an electric spotlight and that "the earliest use of electric lights ashore ... appears to be in Mill Number One of the Spreckelsville Plantation on Maui on August 21, 1881." Schmitt repeats the oft-told lighting of the palace grounds and vicinity in Honolulu on July 21, 1886 and that "in March 1888, permanent electric street lights were turned on."

For some technical details, I consulted the government reports issued that year by the new Interior Minister Lorin A. Thurston, Acting Superintendent of Public Works W. R. Lawrence, Superintendent of Government Electric Lights W. O. Faulkner and Charles B. Wilson of the Water Works.

Thurston reported that a 12-light arc dynamo was earlier located in the palace yard and that the King "had bought a boiler, engine and incandescent dynamo on his private account, and the 12-light dynamo was being run with power from his engine." However, analysis showed that the most economical generation

would be from the Water Works.

Faulkner also justified the decision to discontinue the operation of the Palace Station based on calculations by Superintendent of Public Works W. E. Rowell and Lawrence. Accordingly, "a head of from 300 to 330 feet could be obtained at the elevation known as Queen Emma lot in Nuuanu Valley, this giving about 130 horse power." The new dynamo station was located instead "opposite the Wood estate, it having been found that the Queen Emma lot could not be secured." The contract was awarded to Peter High, ground was broken November 23, 1887 and the government accepted the building on January 21, 1888. The water wheel arrived on March 6 and on Friday, March 23, "at 7 p.m. H.R.H. Princess Kaiulani accomplished the honor of first lighting the city of Honolulu." By running its wires on the poles of the Mutual Telephone Co., the government saved some capital costs.

Wilson added that, with his assistant J. C. White, he carried out "a great deal of correspondence ... with the leading manufacturing machinists of Eastern cities" about the needed turbine and chose one from James Leffel & Co. of Springfield, Ohio.

Lawrence reported a surplus of power, the possibility of deriving income from "business-houses and dwellings," and a recommendation to construct, at a minimum, a 3 million gallon reservoir "for storage of night flow."

Wilson preferred a series of three reservoirs and Thurston rejected "the plans of Major

(continued on page 3)



We were not able to include this picture in last month's Wiliki of the University of Hawaii ASCE Student Chapter team that competed in the AISC National Steel Bridge Contest. The Steel Bridge team members were: Bryan Lum (Captain), Brendon Hayashi, Renee Ishisaka, Travis Nishino, Kim Tanaka, and Brandon Weaver.



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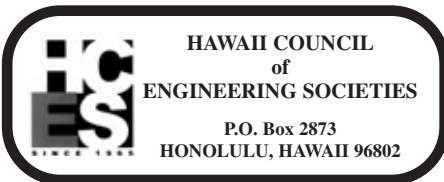
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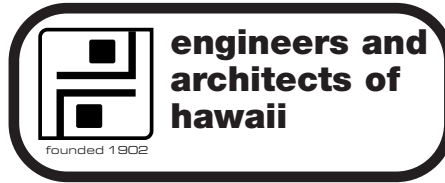
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EAH Meeting Schedule: See EAH Website for Details

Aug 4 Program TBA
Aug 11 Program TBA
Aug 18 No Meeting – Statehood Day
Aug 25 Program TBA

Meetings held every Friday (except Holidays) at YWCA room 205 on Richards Street downtown. Meetings start at NOON and end promptly at 1:00 pm. Parking at Alii Place off Alakea Street for \$1.50 per hour.

Buffet Lunch: Members-\$8.00, Guests-\$9.00, BYO lunches welcome. If not having the Buffet Lunch a donation is requested: Members \$1, Guests \$2; to help cover room rental costs.

Program schedule may be adjusted. Call Secretary Sam Gillie at 543-4739 (543-4804 FAX) to confirm speaker. Anyone wanting a weekly email meeting notice please send your email address to Sam Gillie at sgillie@hei.com.

Meeting Notes June 2nd, 2006

Speaker: Lee Mansfield, Manager Hawaii-American Water Company

Subject: "Hawaii Kai's Wastewater Treatment Facilities"

Lee took us on a tour the Hawaii Kai Wastewater Treatment Facility starting at the head works and ending at the ocean out fall, which is only 40 feet below the surface. Our own Gary Yamamoto told us about how he dove, shortly after the plant had opened, and investigated the marine coral around the out-fall. They determined that the outfall caused no impact on the marine life nearby. Lee told us that the clarifier is a deep clarifier, which was the first of its kind in Hawaii when it was installed. The clarifier is very efficient in settling solids and is one of the reasons the plant has no problems meeting the plant's permitted discharge limits. The plant has two clarifiers which provides 100% redundancy for the plant. Lee's company is also responsible for the sewer system in Hawaii Kai and told us about their on going project to re-line the pipes which were installed in the 60's. In some areas the tops of the pipes have completely eroded.

Meeting Notes June 16th, 2006

Speaker: David Heenan – Author

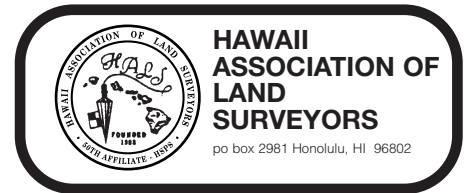
Subject: "Exodus of America's Best"

Mr. Heenan talked about his new book Flight Capital – the Alarming Exodus of America's Best and Brightest. David Heenan talked about the next global war will be fought over human capital and America's already losing. Immigrant brainpower has always been vital to

the U.S. economy, and never more than today, when half of the Ph.D.s working here are foreign born. Emerging economies in Ireland, Iceland and India are recruiting their native born back home. Some of the best and brightest in America are returning to their homelands in record numbers and with them is going much of the U.S.'s technology and economic preeminence.

David Heenan talked about the exodus of foreign-born professionals who are leaving

(continued on page 5)



HAWAII ASSOCIATION OF LAND SURVEYORS

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FEMA ELEVATION CERTIFICATE TRAINING WORKSHOP

FEMA's Elevation Certificate (EC) is an important administrative tool of the National Flood Insurance Program. It is used to determine the proper flood insurance premium rates; it can be used to document elevation information necessary to ensure compliance with community floodplain regulations; and it may be used to support a request for a Letter of Map Amendment (LOMA) or Letter of Map Revision based on fill (LOMR-F).

A new EC was approved for use effective February 13, 2006, through February 28, 2009. What's new?

- Format of the EC has been modified.
- Instructions have been modified to provide better guidance.
- Two pages have been added for attaching two or more color photographs of the building.
- Certifiers are now required to provide the square footage of the enclosed area and/or attached garages below the elevated floor.

The State Department of Land and Natural Resources and FEMA Region IX will be co-hosting this Elevation Certificate Training Workshop:

Oahu Workshop: Monday August 21, 2006; 1151 Punchbowl Street, Kalanimoku Building Room 3228; 9:00 AM to 3:00 PM.

Kauai Workshop: Monday, August 14, 2006; 444 Rice Street, Piikoi Building Meeting Room B; 9:00 AM to 3:00 PM.

To enroll for this valuable training session, call Carol Tyau-Beam at 587-0267 or email carol.l.tyau@hawaii.gov. Seating is limited, so make your reservations early. Cost is free.



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Post meeting notes from July 11, 2006:

Subject: HECOs plans to meet increasing electrical demand on Oahu

Speaker: Peter Rosegg, Senior Communications Consultant, Hawaiian Electric Company, Inc.

Mr Rosegg gave an eye opening briefing on HECOs current operations and future plans to meet the electrical demand in Hawaii. Current demands are being met, but projected future demands require resources and actions from both sides of the meter. Energy conservation and increasing efficiencies are always looked to first for demand reduction. HECO is looking at new power plants, combining heat and power (for distributed generation), and decreasing reliance on fossil fuels through renewable energies. The HECO web site at www.heco.com has more information.

Next meeting: 8 Aug, check post web page for details.

Success - First ever Pacific Industry Forum:

A new annual tradition has begun...the Pacific Industry Forum. This one day event was held on May 17, 2006 exclusively for Sustaining Member Firms of the Honolulu Post, with over 120 attendees. Sustaining Members were brought together with Pacific Command and the Military Services engineers and contracting agencies in a briefing and round table forum to present the strategic view of the theater and allow for interactive discussions and promotion opportunities for sustaining member capabilities.

The industry forum explained strategic moves of military forces into and within the Pacific theater and how they will relate to business opportunities for our member firms. Senior officers and contracting personnel from the Pacific Command Engineering Directorate, PACAF Civil Engineer, NAVFAC Pacific and Pacific Ocean Division USACE spoke during the forum and responded to questions during focused forums. Additionally, our member firms got to know each other better, especially our large firms with our small firms and vice versa.

Next year's Pacific Industry Forum is tentatively scheduled for Tuesday May 8, 2007, with a "Transition Session" the morning of Wednesday May 9, 2007 for companies to reach out to potential future employees. This will be followed by the 2007 Golf Tournament on the afternoon of May 9, 2007. Plan to attend, and mark your calendars now!



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Call for Entries

2007 Engineering Excellence Awards

ACEC's annual EEA competition recognizes engineering firms for projects that demonstrate a high degree of achievement, value, and ingenuity. Any engineering or surveying firm is eligible to enter, whether or not the firm is a member of ACEC. EEA provides firms an opportunity to obtain State-wide recognition and to showcase their talent and expertise in a dramatic setting. The EEA banquet, held at the Kahala Hotel & Resort (formerly Kahala Mandarin), is a high-energy event attended by clients and dignitaries. EEA winners are showcased in a special insert in the Pacific Business News, a full-page ad in the Honolulu Advertiser, and other publications. Entries have the opportunity to go on to the national competition, where Hawaii firms have done well.

Tentative schedule:

August 8

Informational meeting

September 1

Intent to Enter deadline

October 27

Notebooks and panels due

October 31

Judging

December 3

EEA banquet at Kahala Hotel & Resort

EEA typically garners a wide range of disciplines and projects; last year's winner was a mechanical engineering firm. Projects are rated on the basis of: uniqueness and originality; future value to the engineering profession and perception by the public; social, economic and sustainable development considerations; complexity; and successful fulfillment of client/owner's needs, including schedule and budget.

For more information,

contact Ginny Wright, ACEC Executive Director, at 234-0821 (ginny@acechawaii.org) or Janice Marsters, 2007 EEA Chair, at 484-5366 x19 (jmarsters@masafujioka.com).

Next Deadline for

Wiliki


is August 15th

ASCE History, from page 1

Bender and Mr. Schussler" in favor of a "limited number of small reservoirs" to avoid "the danger of the carrying away [a large] dam by flood."

I discussed Bender's role last month (July 2006). From various sources, we know that Hermann Schussler was an engineer who had immigrated to California from Zurich in 1864 and had been hired by Claus Spreckels in 1878 to work on several ditches on Maui. He is widely proclaimed as the inventor of the so-called "inverted siphon."

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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- ✦ 23-36 years of age
- ✦ Drug policy/drug testing mandatory
- ✦ Entry-level salary (GS-10) is \$50,383 Academy training; \$60,666 - \$68,632 upon graduation, including locality/availability pay



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Mahalo for Membership Renewal

The LGSEA-Hawaii Chapter would like to thank its members for renewing their ties with the chapter and the 2006 corporate sponsors for their unwavering supports to the industry. For more information, please contact Darin Okuda, Membership Committee Chair, at (808) 306-4862.

Seminar on Cold-Formed Steel

This August 10, 2006, LGSEA in partnership with Structural Engineers Association of Hawaii (SEAH) will conduct a seminar on top plate for cold-formed steel wall framing. Featured speaker is Dr. Ian Robertson, Professor, Department of Civil and Environmental Engineering, University of Hawaii at Manoa. Dr. Robertson will report on his on-going research on top plate details of steel wall framing. For more information, please contact Brian Enomoto at (808) 486-5202 and E-mail: brian@iwamotollc.com.

Publication of Nine (9) SFA Research Reports

The research team of the Steel Framing Alliance recently reported that nine (9) research reports are now available and posted in the websites of Steel Framing Alliance (www.steel framing.org), American Iron & Steel Institute (www.steel.org) and Wei-Wen Yu Center for Cold-Formed Steel Structures (campus.umn.edu/CCFSS). The reports completed include the following: RP03-3: Testing of Steel Single L-Headers, RP03-4: Hybrid Wood and Steel Sole Plate Connection Walls to Floors Testing Report, RP03-5: Cold-Formed Steel Top Load Bearing Tracks, RP03-6: The Strength of Stiffened CFS Floor Joist Assemblies with Offset Loading, RP03-7: Estimating the Response of Cold-Formed Steel Frame Shear Walls, RP05-2: Cold-Formed Steel Gable End Wall Design Using the Prescriptive Method, RP05-3: Cold-Formed Steel Walls with Fiberboard Sheathing – Shear Wall Testing, RP05-4: Experimental Evaluation of the Strength and Behaviour of Cold Formed Steel Top Track Systems, and RP06-1: Galvanized Steel Framing for Residential Buildings.

LGSEA Technical Notes

The Light Gauge Steel Engineers Association being a Council of the Steel Framing Alliance has expanded and re-vitalized the catalog of technical publications and other resources to the Alliance members. Reflecting current codes and standards, these publications will also be augmented with new design guides and details that provide practical guidance on the design of cold-formed steel structures. Visit www.lgsea.com for more information.



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HSPE INSTALLS NEW STATE OFFICERS

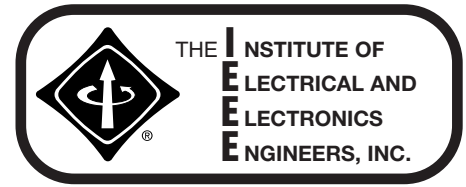
NSPE National President Katherine Gray, P.E., FNSPE, installed the 2006-07 State and Honolulu Chapter Officers on June 23, 2006. The Honolulu chapter hosted the installation at 3660 On The Rise in Kaimuki. Ken Rappolt, P.E. was installed as the new Hawaii State President. Other State Officers include Barry Nakamoto P.E., President Elect; Queenie Komori, P.E., Vice President. Ken, Barry and Queenie reside in Honolulu. Mark Botticelli, P.E., Treasurer from Kailua-Kona and Neal Herbert, P. E., Secretary, from Hilo were also installed.

Eric Yamashige, P.E., FNSPE will continue as a State Director. Manny Lanuevo, Past President, will represent the State Society on the National Council of Delegates.

National President Gray addressed the group. She discussed the recent organizational changes at the National level with respect to the new Council of Delegates and the progress made by NSPE over the last year.



Manny Lanuevo, P.E. (left) is shown with National President Katherine Gray, P.E., Mark Botticelli, P.E., and Kenneth Rappolt, P.E., at the HSPE Banquet, June 23, 2006.

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1. Robotics Workshop, August

Introduce high school teachers and potential engineering mentors to the Hawaii Underwater Robot Challenge. For information, please contact Mark Rognstad at mark_rogstad@ieee.org.

2. Summer Picnic at White Plain's Beach in Ewa near Barber's Point. Sunday, August 20, 11-5:30pm.

White Plain's is a surfing and picnic beach on the leeward side of the Oahu. We'll have the large pavilion on the Waipahu side of the park. Look for an IEEE sign. Surf rentals are limited to military, so you need to bring your own board if you are interested in surfing. Otherwise bring some suntan lotion and swim wear. The Hawaii Section will provide paper things, utensils and soft drinks. Bring your own dish to share.

You need not be a member to attend. Please contact Nancy Roemer at NL.Romer@aol.com or Tri Nguyen at thn_khi@yahoo.com for information or to RSVP by 8/14/06. Nancy and Tri will be off-site during this period and will be unable to respond when they are away.

Short Course**"Rock Blasting in Urban Environments – Best Public Relations Practices"**

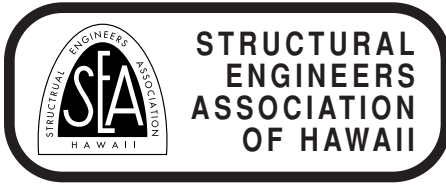
Wednesday October 18, 2006 - 8 am – 4 pm
Sheraton Waikiki Hotel, "Waianae Room", Honolulu, Hawaii

Course instructors

Dr. Catherine T. Aimone-Martin, President, Aimone-Martin Associates, LLC, New Mexico
Sandra Duvauchelle, President, Lehua Management Services, Inc., Hawaii

This course is for civil engineers and project managers and will provide the basics of rock blasting with explosives. Blast techniques used to plan and implement a blasting pattern design will be reviewed. Emphasis will be placed on the generation and propagation of ground vibrations and noise (or airblast), the use of seismographs to control these off-site affects, and the response of structures near blasting operations. Effective public relations methods and addressing blasting claims will be stressed. CEUs are available.

Program Fee is \$210. Space is limited to 35 participants. Deadline for registration is October 6, 2006. For additional information or to register, call 808-870-9860 or 505-980-9949 or e-mail cathy@aimonemartin.com or lehuaserv@aol.com.



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HIGHLIGHTS OF BOD MEETING

July 5, 2006

Committee Reports:

General Membership Meetings/Technical Seminars/Events:

- Young Engineers Membership Meeting will be held Thursday July 27, 2006 at Matters of Taste (Gentry Pacific Design Center) for the Young Engineers (35 years old and under). The gathering will consist of an appetizer and 3 courses, with a wine pairing for each course. Cost for young members is \$30. Deadline to register is July 24, 2006.
- LGSEA/SEAOH Joint Meeting will be held on August 10, 2006 at The Willows, 817 Hausten Street. Buffet Lunch is included. Dr. Ian Robertson will be the speaker and the topic will be "Cold Formed Steel Load Bearing Top Plate Research". Registration is at 11:30 am and the program begins at 12:00 pm.
- CCPI annual Meeting will be held at the Hapuna Beach Prince Hotel on October 12 and 13, 2006.
- AISC 13th Edition Design Handbook Seminar is scheduled for October 26, 2006.

Old Business:

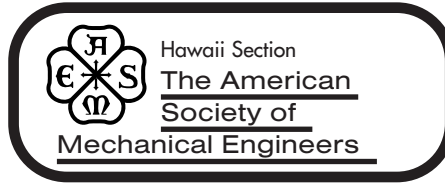
SEAOH Representative for 2006 *Hawaiian Cement Concrete Achievement Award*: President B. Fung and Dean Doi are representing SEAOH as jurors to serve on the review and selection panel for the 2006 *Concrete Achievement Award*. The judging occurred from June 13, 2006 to June 29, 2006.

Newly Licensed Structural Engineers:

To all newly Licensed Structural Engineers (those who passed the SE Exam in October 2005 or April 2006):

The Board of Director's of the Structural Engineers Association of Hawaii (SEAOH) would like to extend our sincerest congratulations on obtaining your Professional Structural Engineer Licensure in the State of Hawaii. Being a Professional Structural Engineer is a tremendous achievement and with it comes the responsibility of upholding the honor and dignity of the profession.

We invite you to join the SEAOH, if you are not already a member, to promote advancement of the arts and science of structural engineering, the maintenance of high professional standards, and the furtherance of the general welfare of the membership. Please go to www.seaoh.org to download an application. Congratulations on your achievement!



Website: www.sections.asme.org/hawaii

ASME-HI 2006-2007 Officers

Chair:	Raymond Liu
Vice-Chair:	Derick Kam
Treasurer:	Kevin Dang
Secretary:	Ron Flegal
Director (2 yr):	James Grogan
Director (1 yr):	Chester Kaitoku

NEXT ASME-HAWAII SECTION MEETING

Date: September 12, 2006
Time: 5:30 pm to 6:30 pm
Agenda: General Membership Meeting
Place: Hawaiian Electric Ward Avenue Cafeteria

As you can see from the September 12, 2006 date, our meetings will be switched back to the second Tuesdays of every other month.

Please contact Ray Liu or Ron Flegal for directions and for more information.

2006 ASME-HI OUTSTANDING PROJECT WARD

On July 10, 2006, the Honolulu Advertiser's Bill Bogert, Vice President of Production, accepted the 2006 award plaque for the Kapolei Printing and Production Facility. Before the award a PowerPoint presentation provided a photo tour of the Kapolei facility with Mr. Bogert providing the details of the machinery.

RED HILL FUEL OIL TANK FARM TOUR

The tour is in the works. Kevin Dang has volunteered to coordinate this tour. Please keep watching the Wiliki and the ASME-HI website for more information.

ASME HAWAII P.E. REFRESHER COURSE

The refresher course, Principles & Practices of Mechanical Engineering, will be from Tuesday, August 1, 2006 until Tuesday, October 24, 2006. It will be held at the University of Hawaii at Manoa, Holmes Hall, Room 309 from 6:00 p.m. to 9:00 p.m.

The volunteer instructors are Charles Kinoshita, PhD., P.E., and Stephen Masutani, PhD., P.E. Both are researchers and practicing licensed engineers at the University of Hawaii at Manoa. An additional instructor focusing on HVAC&R will be Joseph Ting, P.E., who currently serves as an Adjunct Professor with the College of Engineering at UH Manoa and teaches ME 417 (applied thermodynamics for HVAC&R).

The course will be based on the Mechanical Engineering Reference Manual, 12th Edition, written by Michael R.

Lindeburg, P.E., and updated from the breadth-and-depth PE exam.

The Hawaii Section would also like to extend thanks to Dr. Bruce Liebert, Chairman of the Department of Mechanical Engineering for helping to arrange for the instruction facilities. The leader of this P.E. refresher course effort is Raymond Liu, P.E.

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America for opportunities in their native lands: China, Ireland, Singapore, Taiwan, India, Mexico, Iceland, and Israel. David asks what can be done to stop the "reverse brain drain?" David Heenan talked about a number of things the U.S. needs to do to save its position as the world leader in human capital, such as rethinking our politics and attitudes in politics, business, and education. David said he didn't want to sound too alarmist, but he believes this is the course set for the World in the 21st century and America will have to follow that course.

Program Notes June 23rd, 2006

Speaker: Peter Forman - Hawaii Aviation Author

Subject: "History of Hawaii's Airlines"

Peter started his History of Hawaii's airline in the 1920's at Honolulu's Airport. Hawaii was originally served by flying boats. The Honolulu Airport was given the minimum amount of land, very near the water's edge, because pineapple and sugar growers were unwilling to give up valuable Ag land for an airport. Peter talked in length about how Hawaiian and Aloha compet-

(continued on page 7)



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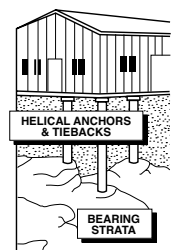
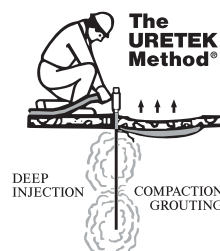
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Pres-Elect	Lori Fong	384-5372	689-1585
	email: lfong@ascehawaii.org		
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	email: mike@kaihawaii.com		
Past Pres	Keith Niiya	533-3646	526-1267
	email: kniiya@atahawaii.com		

AUGUST DINNER MEETING

Program: Rick Rocheleau, PhD., Director, Hawaii Natural Energy Institute

Dr. Rocheleau will discuss his efforts toward increasing the use of renewable energy technologies for Hawaii. He will focus his talk on actual projects currently being worked on at the University of Hawaii at Manoa.

Date: **Thursday, August 17, 2006**

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

Please make checks payable to ASCE-Hawaii Section and mail to Mike Hunnemann, ASCE Treasurer, c/o KAI Hawaii, 31 N. Pauahi Street, 2nd Floor, Honolulu, Hawaii, 96817, postmarked by Monday, August 14, 2006. Reservations for the dinner meeting to Mike Hunnemann by Monday, August 14, 2006, by phone at 791-3980, fax at 533-2686 or email at mhunnemann@kaihawaii.com.

EXECUTIVE COMMITTEE MEETING

August 2006, Date to be determined.

Candidates for ASCE Region 8 Director – F. Lawrence Bennett and Westley K.C. Chun

F. Lawrence Bennett, P.E., Ph.D.



Larry Bennett retired from the University of Alaska Fairbanks in 1997 after 29 years on its Engineering Management faculty. After two years each as a visiting professor at Cornell and at the University of

Canterbury, New Zealand, he now maintains an active consulting practice and teaches part time. His bachelor's in civil engineering is from Rensselaer Polytechnic Institute, and his master's and doctoral degrees were awarded by Cornell. The author of four books and over 50 professional papers and articles, a registered civil engineer and land surveyor, and an ASCE Life Member and Fellow, he served as branch and section president and chair of national committees in engineering management, cold

regions engineering and natural disaster reduction. He served on the Region 8 formation team and was recently selected to its first Board of Governors. He has also held leadership positions in NSPE, American Society for Engineering Education (ASEE), Boy Scouts, Rotary and the United Methodist Church.

Westley K.C. Chun, Ph.D., P.E., DEE, F.ASCE



Westley Chun received his Bachelor of Science, Master of Science, and doctorate degrees in civil engineering; is a Diplomat of American Academy of Environmental Engineers (AAEE); and is a licensed professional engineer in Hawaii, Guam and California. Westley is a senior project manager in CH2M HILL's Honolulu Office. He has planned and designed water and wastewater systems throughout the West Coast, Alaska, Hawaii, Pacific Islands, Southeast Asia and Eastern Europe. His projects received awards from the ACEC, American Institute of Architects (AIA) and National Water Resources Institute (NWRI).

Westley is a Fellow, Region 8 governor, past president of the Hawaii Section, and chair of the Hawaii Council of Engineering Societies. While serving on its executive committee, the Hawaii Section received the Outstanding Zone IV Large Section Award four consecutive years, including the year that Westley served as its president. Westley is also active in the local chapters of American Public Works Association, ACEC and Water Environment Federation (WEF); and initiated several task forces and associations to protect public health and safety.

For more information including Region 8 Director candidate statements, please go to: <http://content.asce.org/election/BoardofDirectorSElectionsBios.html>

HAWAII SECTION OUTSTANDING CIVIL ENGINEERING ACHIEVEMENT (OCEA) AWARD NOMINATIONS FOR ASCE HAWAII SECTION OCEA AWARD

The ASCE Hawaii Section annually recognizes an exemplary civil engineering project as the Outstanding Civil Engineering Achievement (OCEA). This prestigious award recognizes the project that best illustrates superior civil engineering skills and represents a significant contribution to civil engineering progress and society.

The 2006 Hawaii Section OCEA Award winner will be announced and the award presented to the project owner at the Hawaii Section Annual Banquet in October. OCEA Awards of Merit may also be awarded. The Hawaii Section OCEA Award winner will be nominated for the 2007 ASCE National OCEA Award to be presented next spring.

Nominations for the 2006 Hawaii Section OCEA Award may be submitted by the individual firms or agencies involved in the project. The project must be located either in the State of Hawaii or in a location that is not under the jurisdiction of another ASCE Section. The level of project completion required to be eligible for the OCEA Award depends on the type of project.

Please download additional information located at the following site: <http://www.ascehawaii.org/awards.html#oceaa>. Deadline for nominations is Friday, September 15, 2006.

Please submit six (6) copies of each nomination to Awards Committee Chair Benjamin Rasa of Belt Collins Hawaii, 2153 North King Street, Honolulu, Hawaii 96819. If you have any questions, please e-mail Ben at brasa@belt-collins.com or call 521-5361.

ASCE HAWAII SECTION STUDENT SCHOLARSHIPS

Please help us increase our scholarship endowment so that we can recognize those deserving students. We continue to accept tax deductible donations with the goal of increasing the annual scholarships. Make your check payable to 'ASCE Hawaii Section' and mail to ASCE Scholarship Committee, P.O. Box 917, Honolulu, HI 96808. If you have any questions, please contact Keith Niiya at 533-3646, or kniiya@atahawaii.com.

ASCE JOB LISTINGS

The following employers have openings they would like to fill:

- Austin Tsutsumi & Associates, Inc. (Civil Engineer - Honolulu and Wailuku, Land Surveyor - Honolulu)
- Brown and Caldwell (Civil or Mechanical Engineer - Honolulu, Project Manager - Maui)
- Engineering Solutions, Inc. (Civil/Sanitary Engineers)
- Fewell Geotechnical Engineering (Geotechnical Engineer - Honolulu)
- Fukunaga & Associates (Civil and Civil/Environmental Engineers - Honolulu)
- Towill, Shigeoka & Associates, Inc. (Licensed Professional Land Surveyor, Computer/Draftsperson (CAD), experienced Party Chiefs and Rodpersons for Oahu and Kona)
- Warren S. Unemori Engineering (Project Engineer, Civil Engineer, & CAD Operator - Wailuku)
- Bills Engineering Inc. (Civil Engineer, Engineering Assistant & CADD Technician)
- Kamehameha Schools (Facilities and Development Project Manager)

For more information on these job listings, please visit the ASCE Hawaii Section website at <http://www.ascehawaii.org/jobs/jobs.html>.

MEMBERSHIP DRIVE

ASCE counts on our members to help us grow every year by actively participating in the Member-Get-A-Member Drive. All you have to do to be eligible to win is refer a colleague, and you will be entered into quarterly drawings. Prizes range from iPods, to gift cards, to cash. This is a great time to help out your colleagues while also helping ASCE find new members. Take a minute to think about the people in your professional life who could benefit from membership. Visit www.ASCEDrive.org to refer them and you could be a winner in the next drawing! Please contact our membership chair, Lori Nishida, at 533-3646 or lnishida@atahawaii.com for further information.

ASCE HAWAII SECTION'S WEBMAIL LIST – SIGN-UP AND/OR UPDATE

If you would like to receive e-mail notices of upcoming meetings or activities, please sign-up for the ASCE Hawaii Section's webmail list at <http://www.ascehawaii.org/emailform.html>. You may also update your email address on that same webpage. Please consider helping the ASCE Hawaii Section reduce operating costs by receiving your monthly issue of the *Willi* via e-mail. If you have any questions, please contact Webmaster Joanna Seto at 586-4329 or jseto@ascehawaii.org.



2005-2006 YMF OFFICERS

President	Florence Ching	Phone 227-4704
	<i>fching@ascehawaii.org</i>	
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	<i>lnishida@atahawaii.com</i>	
Secretary	Lisa Takushi	531-2462 ext. 231
	<i>ltakushi@ascehawaii.org</i>	
Treasurer	Morgan Branch	545-2462 ext. 108
	<i>mbranch@ascehawaii.org</i>	
Past Pres	Paulette Ujimori	257-6920 ext. 231
	<i>pujimori@ascehawaii.org</i>	

Next YMF General Meeting

The next two YMF general meetings are scheduled for Tuesday, August 1, 6:00 p.m., at Ryan's Grill at Ward Centre, 591-9132; and Tuesday, September 5, 6:00 p.m., at Brew Moon Restaurant and Micro Brewery at Ward Centre, 593-0088. If you are interested in attending to find out what the YMF is all about, please contact Florence Ching at 227-4704.

Summer 2006 PE Refresher Course

Dates: Saturdays, August 12th to October 14th, 2006, 9:00 A.M. to 12:00 P.M.
 Location: University of Hawaii at Manoa, Engineering Building, Holmes Hall Room 208.
 Cost: \$300 Early Registration Fee for ASCE Hawaii Section Members
 \$375 Early Registration Fee for Non-ASCE Hawaii Section Members

Early Registration Deadline is July 14, 2006. Add \$50 late fee to registration fee if payment is postmarked after July 14, 2006. Class size is limited and registration is done on a first-come

first-served basis. Prices are subject to change after class begins.

Topics covered include Transportation, Environmental, Geotechnical, Water Resources and Structural. Class attendees will receive a copy of Michael R. Lindeburg's Civil Engineering Reference Manual for the PE Exam (10th Edition), copies of lecture notes, and study supplies. Attendees will also have the option of ordering additional reference material at discounted prices.

To sign up for the Summer 2006 ASCE Hawaii Section YMF P.E. Refresher Course or for more information please visit <http://www.ascehawaii.org/ymf/PERefresher.html> or contact Lori Nishida at 587-6447 or *lnishida@atahawaii.com*.

ASCE Hawaii Section YMF Softball Team

By Stuart Ujimori, YMF Softball Chairperson
 For the first time, the American Society of Civil Engineers (ASCE) Hawaii Section Younger Member Forum (YMF) participated in the 2006 Architects & Engineers Mixed Softball League. This 16 team coed league ran from February thru June culminating with a tournament day at Kapiolani Park on Sunday, June 11. Other teams that participated included CH2M Hill, Army Corps, Belt Collins, Control Point Surveying, Matsunaga & Assoc., SSFM, Architects Hawaii, Hawaiian Electric Co., KYA Architects, and URS Corp.

The ASCE YMF softball team's participation was a success. The team was comprised of ASCE YMF members, engineering students and engineers from private and government agencies. If you are interested in participating next year, please email Stuart Ujimori at *ujimori@yahoo.com*.

Honolulu High Capacity Transit Corridor Project

By Lisa Takushi, Hawaii Section YMF Secretary
 On Tuesday, June 6th, members of the ASCE

YMF were treated to a presentation about the Honolulu High Capacity Transit Corridor Project. Ms. Joanne Wong from Community Planning and Engineering, Inc. spoke to a group of 16 engineers from both the public and private sectors, providing information about the project history, the different options being explored, and hints of what will occur in the upcoming stages of the project.

A big mahalo to Ms. Joanne Wong of CPE for volunteering her time and thanks to everyone for attending.

Kalani High School Cafeteria Painting Project Cancelled

Sorry to inform everyone that the project to paint the inside of the Kalani High School cafeteria has been cancelled. The project was scheduled to take place on Saturday, August 19.

The Legislature passed a House bill this year requiring painted surfaces at state facilities to be tested prior to being removed or covered. The school will not be able to complete a test of the existing paint on the cafeteria walls by the project date.

Thanks to those who volunteered for this project. We will keep you informed if a similar project takes place in the future.

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ed in the 50', 60's, 70's and to the present day. How each airline tried to get the advantage by buying the newest airplanes. Peter believes Hawaii's newest airline, Go! which is a subsidiary of Mesa Airlines who has deep pockets, may be playing a game of attrition and waiting for either Hawaiian or Aloha to disappear.

Program Notes June 30th, 2006

Speaker: Peter Young - Director, Department of Land and Natural Resources
 Subject: "Hawaii's Water in the 21st Century"

Peter explained that he looks at the world with a different set of eyes after assuming the head of the Department of Land and Natural Resources. Previous his outlook of Government had been from private industry as an Appraiser and businessman on the Big Island. It is not always going to be green (forests), and it is not always going to be blue oceans, and it's not going to be a nice day in Hawaii, unless we all don't do a part to help protect Hawaii. The State owns 800,000 acres of forests, and the State is in a number of partnerships with private land owners to help protect the various watersheds. Everything is connected. To have a healthy coral reef is to first have a health native forest.



2006 ASCE YMF Softball Team at Kapiolani Park on Sunday, June 11.

Professional Directory

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