

wiki o hawaii

ENGINEER
OF HAWAII

VOL. 41 NO. 12

SERVING 2000 ENGINEERS & LAND SURVEYORS

FEBRUARY, 2006

HCES LIFETIME ACHIEVEMENT AWARD

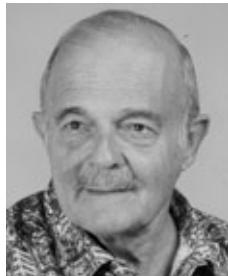
C. Dudley Pratt, Jr.

The Hawaii Council of Engineering Societies is pleased to recognize C. Dudley Pratt, Jr. as the recipient of the 2006 HCES Lifetime Achievement Award. This annual recognition is given to an individual who has contributed significantly to the development of engineering in the State of Hawaii and who has made a noteworthy impact on the local engineering community.

C. Dudley Pratt, Jr. was born on September 30, 1927 in Honolulu, Hawaii. He was awarded a Bachelor of Engineering in civil engineering with honors in 1950 at Yale University. He continued at Yale and received a master's degree in structural engineering the following year. In 1971 he earned a Master of Business Administration from the University of Hawaii. He is a registered professional engineer in the structural branch in Hawaii.

His military career began with the Army Corps of Engineers following graduation from high school. After he completed his studies at Yale he was commissioned as an officer and was discharged in 1953. He continued with the U.S Army Corps of Engineers Reserves and retired in 1965 with the rank of Major.

Following his discharge from the active duty in 1953 he began his career with the Hawaiian Electric Company as a designer in the



(continued on page 2)

2006 Young Engineer of the Year Jeffrey K. Kalani

The Hawaii Society of Professional Engineers is proud to announce that Mr. Jeffrey K. Kalani, P.E. as the recipient of the 2006 Young Engineer of the Year Award. Mr. Kalani was nominated by the American Society of Civil Engineers (ASCE) for his outstanding contributions to his profession and to the community. Mr. Kalani received his Bachelor and Master of Science in Civil Engineering from the University of Hawaii, Manoa (UHM).

While at the University of Hawaii, Mr. Kalani served as chairperson for the ASCE Student Chapter concrete canoe teams that competed in the 1996 National Concrete Canoe Competition at the University of Wisconsin, and the 1997 Pacific Southwest Regional Concrete Canoe Competition at Loyola Marymount University in Los Angeles, CA. His affiliation with the university continued after his graduation. While serving as an ASCE Practitioner Advisor to civil engineering students at UHM, Mr. Kalani initiated a "Job Shadow Program" to give UHM College of Engineering students an opportunity to gain real-world experience and exposure to the various civil engineering disciplines. During his tenures as the 2002 Community Service Chairperson and 2003 President for the ASCE Hawaii Section Younger Member Forum, the section received the 2002 ASCE National Public Service Award and the 2004 ASCE National Younger Member Group Award, respectively.



(continued on page 11)

ENGINEER OF THE YEAR 2006

Bernard P. Kea, Sr., P.E.

Bernard P. Kea, Sr. joined Community Planning and Engineering (CP&E) in 1967 following nine years of service as a Design Engineer for the City and County of Honolulu's Department of Public Works Sewer Division and the State of Hawaii's Department of Transportation Highways Division.

Between the late 1960s and early 1980s, Mr. Kea completed a succession of noteworthy projects covering the valleys and ridges from Aiea to Pearl City. Under his guidance, CP&E planned and engineered a multitude of residential subdivisions, apartment-condominium complexes, recreational venues, industrial parks, and retail shopping centers. Known today as Pearlridge, Newtown, Royal Summit, and Waiiau - these districts include Pearlridge Shopping Center, Pearl Country Club, Kaonohi Ridge, Newtown Estates, The Crowne, The Crest and The Heights at Wailuna, and Waimalu Industrial Park, and were developed by Herbert Horita, Lear Sigler, Lusk Hawaii, Castle & Cooke, Mervin Gilliland, and Joseph Pao of Hawaiian Pacific Industries. Prior to construction, CP&E participated in the major expansion of Moanalua Road to service the blossoming suburb, creating a direct route through the Kaluaao ahupua'a, which is now known as Waimalu.

Throughout subsequent decades and with the advent of master



(continued on page 11)

2006 Student Engineer of the Year Jason Pang

Mr. Jason Pang has been selected as the 2006 HSPE Student Engineer of the Year. Jason has shined in all aspects of his well-rounded college career. He earned a cumulative GPA of 3.94 and has been on the College of Engineering Dean's list each of his semesters at the University. Besides excelling in his course work, Jason dedicated his time and energy to participating and taking leadership roles in various honor societies. He was a member of the Chi Epsilon National Civil Engineering Honor Society since Spring 2004, and held the President position in the 2005 Spring and Fall semesters. He also was a member of the Golden Key International Honor Society since Fall 2003, and held positions as the Director of Members in Fall 2004 and Director of Publicity in Spring 2005. Since Fall 2001, he also participated as a member of the American Society of Civil Engineers and the Regents and Presidential Scholars group. Among academics and extracurricular activities, Jason interned at two local engineering firms, Wilson Okamoto Corporation and Community Planning and Engineering, Inc. He also was a teaching assistant under the direction of Professor Dr. Edmund Cheng, and a research assistant for Professor Ricardo Archilla. In his last semester, Jason was selected to participate in the Pacific Earthquake Engineering Research



(continued on page 11)



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WILIKI MAILING LIST

Additions and/or corrections to the Wiliki mailing list should indicate the proper society, institution or association. Corrections to email addresses should be submitted to your society coordinator.

Laverne Higa

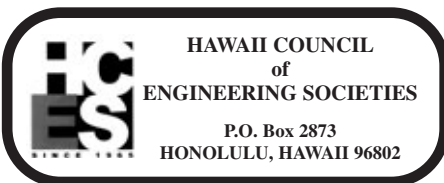
Department of Facility Maintenance

1000 Uluohia Street, Suite 215

Kapolei, Hawaii 96707

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Fax: 808-692-5857



HOME PAGE: <http://hces.us>

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LGSEA	W. Wong	
SAME	T. Barnes	
SEAOH	D. Doi	
SFPE	S. Dannaway	
UH(assoc)	S. Choi	



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Vice-president	Greg Hiyakumoto
Secretary	Jodi Chew
Treasurer	Robert Nehmad

Dudley Pratt, from page 1

Engineering Department. He was promoted to Distribution Department Manager in 1961 and continued there until 1969. Selected as Assistant to the President in 1969, he moved upward to Vice President, Planning; Executive Vice President, and President and Chief Executive Officer by January 1, 1981. In 1983 he was chosen to lead the parent company, Hawaiian Electric Industries as President and CEO. In 1985 he moved to the position of Chairman and CEO of the Hawaiian Electric Company, Inc. He retired on December 31, 1990.

During his 37 years with HECO, Dudley played a key role in the development of electrical service for Hawaii. The Hawaiian Electric Company and its subsidiaries, Maui Electric and Hawaii Electric Light, provide power for all of the major islands, with the exception of Kauai. In addition to planning and installing conventional fossil-fuel generation equipment and transmission systems, he directed the study and development of a variety of alternative energy sources. The Mideast oil embargo in the 1970s brought into sharp focus the near total dependence on imported oil, especially foreign oil. Prior to World War II, sugar production in the islands was at its peak and the plantations provided part of the electrical power needs by burning sugar cane waste in steam generation plants. Hydroelectric power was also used on the neighbor islands. Following the war, sugar began a slow decline and the Middle East oil crisis of the 70s led to development of alternative energy sources. Solar power, ocean thermal energy conversion, wind power, geothermal, biomass, ice storage for conditioned air, as well as a variety of energy conservation strategies using current technologies were explored and implemented to reduce Hawaii's nearly total dependence on imported fuel.

In 1981 the islands were struck by a powerful tropical hurricane that destroyed transmission lines that were not fully restored for nearly two weeks on Oahu, where the company headquarters are located. The neighbor island of Kauai was struck by the center of the storm and took several more weeks through the combined efforts of crews from all islands. The experience demonstrated another weakness in the system that had grown so rapidly following statehood. In Dudley's view it would take more than physical changes to generation and distribution systems to achieve the growth needed by the company to match the expanding economy of the state.

In 1983, Dudley demonstrated his outstanding management and leadership skills as he took the company into a period of change, growth and diversification. He began with a complete restructuring of the company to make it a more effective public utility serving a state made up of separate islands. Following a multitude of approvals by various agencies, Hawaiian Electric Industries became the parent company of the Hawaiian Electric Company, which owned the companies on Maui and Hawaii as subsidiaries. The strategy of diversification began with the formation of the Hawaiian Electric Industries Charitable Foundation, which supports a variety of worthwhile causes in the State. This was followed by Hawaiian Electric Renewable Systems, Inc. to develop alternate energy resources. Real estate development was the next venture as the company entered a partnership for the construction of homes on lands owned by the company on the north shore of the island of Oahu. The company moved into the financial field through the acquisition of the Hawaiian Insurance Group and American Savings Bank, the third largest bank in the islands. Two barge companies were acquired to strengthen the diversification plan through transportation services.

From 1991 to 1996 Dudley served as a member of the Board of Trustees of the Estate of James Campbell and as its Chairman from 1996 to 1997. Dudley has been a member of the American Society of Civil Engineers (ASCE) since 1953 and served as President of the Hawaii Section in 1965. In 1987 he was the Chapter Honorary Member. In 1997 he was elected to serve a three-year term as Director of ASCE's District 11, which includes Nevada, Utah, Hawaii, Arizona. In 1999 he was appointed as Assistant Treasurer of the Board of Direction of the national chapter. He has served on a number of committees for the Hawaii Section, currently as Chair of the History and Heritage Committee. In this role he completed a nomination package for the East Maui Irrigation System for designation as a National Historic Civil Engineering Landmark which was approved by ASCE in 2002.

(continued on page 11)

Engineers Week 2006 Displays

"the future of engineering"

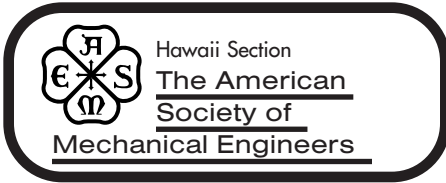
by the Hawaii Council of Engineering Societies

Student Groups throughout the island will be participating in the 2006 Engineers Week Displays. They will be presenting their science and engineering accomplishments throughout Kahala Mall to show the public the many talents in store for the future of our profession.

Static displays will be exhibited between February 19th to 25th. The weeklong displays will culminate on Saturday, February 25th with the students interacting with the public and providing demonstrations of their projects.

The Hawaii Space Grant Program will also be demonstrating principles of engineering in a fun and exciting show at Kahala Mall's center stage. They will perform science experiments and have hands on activities for children from 10 am to 2 pm.

Don't miss this stimulating opportunity & tell all your friends & families, too!



Website: www.sections.asme.org/hawaii

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www.sfpehawaii.org

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	Robert M. Miller, P.E. fpehi@hawaii.rr.com	951-7215
Webmaster	Derick Kam kam@thermaleng.com	

SEMINAR ANNOUNCEMENT

NFPA 101-2006 EDITION, MAR 6 to 8, HALE IKENA FORT SHAFTER

The Hawaii Chapter of the Society of Fire Protection Engineers is sponsoring this excellent three-day seminar through a special arrangement with the National Fire Protection Association. This is the first time this seminar has been offered in Hawaii since 2006.

Sponsored by: Hawaii Chapter, Society of Fire Protection Engineers

Date:	Monday March 6 to Wednesday March 8, 2006
Time:	8:00 AM - 5:00 PM
Location:	Hale Ikena, Fort Shafter Golf Clubhouse
Cost:	\$750 (\$650 for SFPE members, Chapter Friends, & fire service personnel)
Deadline:	The registration deadline is Friday, March 3, 2006.

Who should attend: Fire Protection Engineers, Architects, Building & Fire Officials, Fire Inspectors, Healthcare Facility Engineers and Safety Professionals, and Insurance Loss Control Representatives.

For information contact Sam Dannaway, Program Chairman

To register contact: Hawaii Chapter SFPE
Tel (808)526-9019 / Fax (808)537-5385
E-mail: seminars@sfpehawaii.org

NEXT ASME-HAWAII SECTION MEETING

Date: March 13, 2006
Time: 5:30 pm to 6:30 pm
Place: Hawaiian Electric Ward Avenue
Cafeteria

Please contact Ray Liu or Kevin Dang for directions and for more information. The meeting day has been changed to the second Monday of every other month starting this March.

REQUEST FOR DONATIONS FOR THE MINI BAJA PROJECT

The UHM ASME Student Section Mini Baja Team requests the support and donations from the engineering community for expenses to design, build, and compete in the 2006 Mini Baja West competition, May 11-13, 2006, in Portland, Oregon.

SAE International sponsors the Mini Baja competition. Briggs & Stratton Corporation donates a ten-horsepower Intek Model 20 engine to each team. The competition simulates real-world engineering design projects and their related challenges. Engineering students are tasked to design and build an off-road vehicle that will survive the severe punishment of rough terrain. The object of the competition is to provide the engineering students with a challenging project that involves the planning and manufacturing tasks found when introducing a new product to the consumer industrial market. Students must function as a team to not only design, build, test, promote, and race, but also to generate financial support.

Because of the high cost to participate in this annual student competition, the students seek your help in funding. They expect expenses to reach as high as \$30,000 for materials and travel. Donations are tax deductible. Checks are made out to "UH Foundation/Engineering" (specify "for UH Mini Baja Project" on your check) and mailed c/o Dr. Bruce Liebert, Department of Mechanical Engineering, University of Hawaii at Manoa, 2540 Dole Street, Holmes Hall #302, Honolulu, HI 96822. Your support will be greatly appreciated.

2006 BALLOTS & SURVEYS ARE COMING

As scheduled ASME-HI "Ballots & Surveys" will be mailed shortly. This year we will give the members an option of either responding by USPS or through "Survey Monkey.com." The access information will be provided in the "Ballots & Surveys." In the meantime, visit www.survey-monkey.com to see what its about.

The ASME-HI 2006-2007 candidates are Raymond Liu, Chairman; Derek Kam, Vice-chair; Kevin Dang, Treasurer; Ron Flegal, Secretary; and Chester Kaitoku, Director (2-yr).

ASME LEADERSHIP TRAINING CONFERENCE (LTC)


James Grogan will be attending the ASME training conference in Houston, Texas, from March 3-5, 2006. The purpose of the LTC 2006 is to provide ASME Section leaders with an opportunity to share best practices and form partnerships with other Sections and focus on critical issues important to the success of the Society. The LTC will also provide 1) an overall view of the Society's organization and activities and resources, 2) more specific information to help Section leaders succeed in leading their Sections, 3) an opportunity to network with other leaders and ASME Staff, and 4) a forum for interchange of ideas that may lead to changes in Society operations consistent with ongoing changes in the engineering workplace.

Grogan will later make a presentation to our Section on the major findings and beneficial information of the conference.

NORTH AMERICAN PACIFIC DISTRICT

ASME-HI is part of the North American Pacific District; also known as District D. Our district includes the Canadian Provinces of Alberta, British Columbia, Northwest Territory, and Yukon Territory; and the U.S. States Alaska, California, Hawaii, Idaho, Montana, Nevada, Oregon, and Washington. Our current District Leader is Lynden Davis.

Next Deadline for
Wiliki
is February 15th



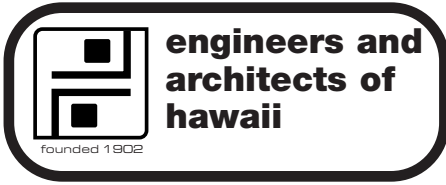
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- ◆ 2-3 years strong professional/investigative/managerial work experience desired
- ◆ 23-36 years of age
- ◆ Drug policy/drug testing mandatory
- ◆ Entry-level salary (GS-10) is \$49,347 Academy training; \$59,418 - \$67,220 upon graduation, including locality/availability pay





po box 4353,honolulu,hawaii 96813
 An association for Hawaii's Engineers and Architects
 WEB Address <http://community.hei.com/eah>

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Director	Eric Kashiwamura	543-4705
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February Meetings

February Program Chair: Martin McMorrow
 February 3rd, Speaker: Paul M. Sullivan Esq., Honolulu attorney. Topic: "The Akaka Bill - An Overview". The Akaka Bill is awaiting consideration in Congress. Mr. Sullivan will discuss the possible impacts of it's provisions on Hawaii.

February 10th, Speaker: Lt. Alex Baerg, SEAL Delivery Vehicle Team 1. Topic: The New SEAL Delivery Vehicle. Lt. Baerg will give an unclassified brief on the US Navy's new SEAL Delivery Vehicle now stationed at Pearl Harbor.

February 17th No Meeting Presidents Day
 February 24th, Speaker: Dr. C. S. Papacostas, UH Professor Civil Engineering. Topic: Early Vignettes of the Engineering Association. Dr. Papacostas will talk about the early history of engineering in Hawaii and the Engineering Association of Hawaii EAH.

Saturday February 25th Engineers Week Banquet.

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

Members-\$8.00 Guests-\$9.00
 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.

Meeting Notes for December 2nd, 2005:

August Ahlf was presented with a Lifetime achievement award from Weber State University in Utah class of 32 for his contributions as a structural engineer. EAH congratulates Agie on his award.

An Alan Lloyd pun: Rudolf, one of Joseph Stalin's communist revolutionaries, was watching it rain, when his wife said it was snowing. They couldn't agree whether it was raining or snowing so they went outside to settle the argument. Outside, it was indeed raining and Rudolf said to his wife, "I guess that settles it. Rudolf-the-Red-Knows-Rain-Deer!

Speaker: Travis Hylton - Oceanit
 Subject: "Kawainui Marsh Restoration Project" Travis briefed EAH on his project, which he admits is "for the birds". The project is to design and construct a series of ponds in the Kawainui marsh to create a natural habitat for Hawaii's native water birds. The pond will be continually flushed with fresh water from new well near the ponds. A test pond was con-

(continued on page 11)

2006 Engineers Week Banquet

Saturday, February 25, 2006
 Oahu Country Club

150 Country Club Road, Honolulu, Hawaii

5:00 p.m. Order of the Engineer Ceremony (Optional - See Separate Announcement)
 5:30 p.m. Cocktails
 6:30 p.m. Dinner
 7:15 p.m. Program:
 Presentation of Engineers Week Exhibit Awards.
 Presentation of Engineer of the Year, Young Engineer of the Year, HCES Lifetime Achievement and Student Engineer of the Year Awards.
 Guest Speaker - Dr. Peter Nicholson (UH Dept. of Civil and Environmental Engineering) on the investigation of New Orleans flood control system.
 Installation of 2006 HCES officers.

Contact Person/Organization _____

Address _____

Telephone _____ e-mail _____

Special guests have been invited to attend the banquet. These guests may include the Governor, mayors of each county and key engineers in their cabinet.

Would you like to sponsor an invited guest to sit at your table? Please circle one: Y N

If yes, we will contact you on a first-come, first-serve basis and have you select among the list of available invited guests.

Tables seat 8, 10 or 12 people.

If reserving a table please circle the table size desired: 8 10 12

Rates are \$37.50 for registration(s) postmarked on or before February 15, 2006, \$45 for registration(s) postmarked after February 15 and \$27.50 for students. Please type or print the name and company/organization affiliation of each attendee. Keep two seats open if you have elected to sponsor an invited guest.

Name	Company or Organization
1. _____	_____
2. _____	_____
3. _____	_____
4. _____	_____
5. _____	_____
6. _____	_____
7. _____	_____
8. _____	_____
9. _____	_____
10. _____	_____
11. _____	_____
12. _____	_____

Number of people attending (except students): _____ x \$37.50 or \$45.00 = _____

Number of students attending: _____ x \$27.50 = _____

Sponsored Guest (2 x \$37.50 = \$75.00) = _____

TOTAL AMOUNT REMITTED _____

Make checks payable to "HCES" and mail with completed reservation form to:
 2006 Engineers Week Banquet
 c/o Ken Rappolt, HCES Treasurer
 Lyons Associates Inc.
 841 Bishop Street, Suite 2006
 Honolulu, HI 96813

If you have any questions, please contact HCES Chair Westley Chun at 440-0269 or westley.chun@ch2m.com or HCES Vice Chair Todd Barnes at 275-2900 or todd.barnes@weston-solutions.com.



**AN ORDER OF
THE ENGINEER RING CEREMONY
WILL BE HELD
AT THE 2006 ENGINEERS WEEK BANQUET
FEBRUARY 25, 2006
AT THE OAHU COUNTRY CLUB**

The Hawaii Council of Engineering Societies (HCES) invites you to participate in the Order of the Engineer Ring Ceremony to be held at the Engineers Week Banquet.

The Order of the Engineer was initiated in the United States to foster a spirit of pride and responsibility in the engineering profession, to bridge the gap between training and experience, and to present to the public a visible symbol identifying the engineer. The first Ring Ceremony was held on June 4, 1970 at Cleveland State University. Others like it have since spread across the United States at which graduate and registered engineers are invited to accept the Obligation of the Engineer and to wear a stainless steel ring.

The Ring Ceremonies are conducted by Links (local sections) of the Order, of which the American Society of Civil Engineers (ASCE) is one. The upcoming Ring Ceremony will be the third such ceremony conducted in Hawaii. More information on the Order of the Engineer can be found at www.order-of-the-engineer.org.

Any engineer is eligible for induction into the Order of the Engineer if he or she has graduated from an ABET-accredited engineering program or holds a license as a Professional Engineer. Students enrolled in ABET-accredited engineering degree programs are eligible if they are within two academic terms of graduation. Guests are welcome to witness the Ceremony.

Participants at the Engineers Weeks Banquet Ring Ceremony will take the Obligation of the Engineer and receive a stainless steel ring. The cost for the Ring Ceremony will be \$17.50. A registration form and ring sizing chart for the Ring Ceremony is available on the HCES and ASCE Hawaii Section websites (www.hces.us and www.ascehawaii.org).

For additional information on the Ceremony, please contact: Walter Billingsley, ASCE President, at 846-3232 or wbillingsley@beltcollins.com.



Order of the Engineer Ring Ceremony

2006 Engineers Week Banquet
February 25, 2006 at 5:00 p.m.
Oahu Country Club

Sponsored by the
American Society of Civil Engineers (ASCE)
World Headquarters Link,
ASCE Hawaii Section, and HCES

Name: _____
(to be printed on certificate for participants only)

Professional Credentials: P.E. P.L.S. E.I.T.
(to be printed on certificate for participants only)

Mailing Address: _____
(needed for participants only)

Ring Size: _____ (fifth finger of your writing hand)
(needed for participants only – form for measuring ring size is available on the HCES website at www.hces.us)

I attest that I am eligible for induction into the Order of the Engineer by merit of:

1. having graduated from an ABET-accredited engineering program, or
2. holding a license as a Professional Engineer, or
3. being enrolled in an ABET-accredited engineering program and within two academic terms of graduation.

signature date

Registration Fee: \$17.50 per initiate (includes ring and certificate)

Fee is payable via cash or check. Please make check payable to "HCES." Mail completed form with payment to Ken Rappolt, HCES Treasurer, P.O. Box 2873, Honolulu, HI 96802-2873. Registration forms with payment must be received by February 15, 2006.



2005-2006 ASCE Hawaii Section Executive Committee

Office		Phone	FAX
President	Walter Billingsley email: wbillingsley@beltcollins.com	846-3232	538-7819
Pres-Elect	Lori Fong email: lfong@ascehawaii.org	384-5372	689-1585
Vice-Pres	Phillip Ooi email: ooi@wiliki.eng.hawaii.edu	956-8512	956-5014
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Treasurer	Mike Hunnemann email: mike@kaihawaii.com	791-3980	533-2686
Past Pres	Keith Niiya email: kniiya@atahawaii.com	533-3646	526-1267

MARCH DINNER MEETING

The next ASCE Hawaii Section dinner meeting is tentatively scheduled for March 16, 2006. Details, including program information, will be announced in the March Wiliki. (There will be no dinner meeting in February.)

EXECUTIVE COMMITTEE MEETING

February 16, 2006

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.

2005 ASCE EDMUND FRIEDMAN YOUNG ENGINEER AWARD FOR PROFESSIONAL ACHIEVEMENT

Jeff Kalani was selected as one of four recipients of the 2005 ASCE Edmund Friedman Young Engineer Award for Professional Achievement. This award was established to recognize the professional contributions of younger members of the Society. The recognition is made to members of ASCE who are 35 years of age or less on February 1 in the year of the award and are judged to have attained significant professional achievement by the degree to which they have (1) served to advance the profession; (2) exhibited technical competence, high character, and integrity; (3) developed improved member attitudes toward the profession; and (4) contributed public service outside of their professional careers. Congratulations Jeff!



2005 ASCE ZONE IV CITIZEN ENGINEER AWARD

Owen Miyamoto was selected as the recipient of the 2005 ASCE Zone IV Citizen Engineer Award. This award is given separately in each of the four ASCE Zones. It is presented to members of the American Society of Civil Engineers in recognition of their accomplishments in the area of public service. The award recognizes individuals (1) who have become known to their community as a result of the efforts that they have expended as volunteers; (2) who have significantly influenced local public policy or legislative affairs; or (3) whose activities have improved the image of the civil engineering profession through their personal involvement in public-serving endeavors. Owen's significant public-service accomplishments include service to the civil engineering profession by serving on the Hawaii Section Legislative Affairs Committee and for work as a volunteer technical advisor to the Hawaii 3Rs program, which was created to assist public schools to repair, remodel and restore school facilities by engaging volunteers from the community to match state and federal funds. Congratulations Owen!

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)
- Bills Engineering Inc. (CADD Technician)
- Brown and Caldwell (Civil or Mechanical Engineer - Honolulu, Project Manager - Maui)
- Community Planning & Engineering, Inc. (Civil Design Project Engineers/Managers)
- Fewell Geotechnical Engineering (Geotechnical Engineer - Honolulu)
- Fukunaga & Associates (Civil and Civil/Environmental Engineers - Honolulu)
- GeoEngineers, Inc. (Senior Engineer)
- Jacobs Engineering Group Inc. (Civil Engineers and more)
- 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 and Civil Engineer - Wailuku)
- Zapata Engineering (Geotechnical Engineer)

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

ASCE WORKSHOPS

The following workshop will be coming to Honolulu: Financial Management for the Professional Engineer, February 9-10, 2006, Radisson Hotel Waikiki. Topics to be covered include: How to Understand Financial Statements, Key Performance Measures, Company Budgeting, Project Management, Finding Your Firm's Value, and Cash Flow - Your Firm's Lifeblood.

For more information and registration, go to <http://www.asce.org/conted/seminars/>.

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.



2005-2006 YMF OFFICERS

		Phone
President	Florence Ching fching@ascehawaii.org	227-4704
Vice-Pres	Scott Jennings sjennings@rci-group.com	845-8440
Secretary	Lisa Takushi	531-2462 ext. 231
Treasurer	Morgan Branch	545-2462 ext. 108
Past Pres	Paulette Ujimori	257-6920 ext. 231

Next YMF General Meetings

The next two YMF general meetings are scheduled for Tuesday, February 7, 6:00 p.m., at Side Street Inn, 591-0253, and Tuesday, March 7, 6:00 p.m., at Sam Snead's Tavern which is located at the Navy-Marine Golf Course Club House at 943 Valkenburgh, 421-7267. If you are interested in attending to find out what the YMF is all about and how much fun we have, please call Florence Ching 227-4704.

A & E MIXED SOFTBALL LEAGUE

If you are interested in SLOW PITCH SOFTBALL, the ASCE Younger Member Forum will be participating in the Architects & Engineers Softball Mixed League (Spring). This coed league will run from March to May 2006. Games are once a week, Monday, Tuesday, Thursday or Friday (7:00 or 8:00 p.m.). Games are usually held at Aiea, Kamamalu or Cartwright. Please contact Stuart Ujimori (#220-4913 or ujimori@yahoo.com) if you are interested in playing.

KNOW YOUR ASCE HISTORY

by C.S. Papacostas

CREEPING UP THE VALLEY

An often-reproduced drawing by Paul Emmert titled "No. 2. View of Honolulu, From the Catholic Church," that was lithographed in 1854 by Britton & Rey of San Francisco, captured what the artist saw looking toward Diamond Head (Mount Leahi) from the top of Fort Street.

Among the town houses in the vicinity of Beretania and Punchbowl Streets, above Kawaiahao Church and the original Palace (with cupola), a windmill is clearly visible. A windmill also caught the attention of the Pacific Commercial Advertiser (PCA) on October 8, 1859 as it noticed "at Hall's one of the improved patent adjusting windmills" and that "in California there are hundreds of them to be seen in every town."

For its water supply, mid-nineteenth century Honolulu, extending around the harbor and into Nu'uau Valley, relied on springs, streams and shallow wells.

T. F. Sedgwick, Statistician, to whom a 1913 "History of the Honolulu Water Works," is attributed, traces the beginnings of the government water works system to the same origins I dis-

(continued on page 10)

REGISTRATION FORM**“2006 – A Year for Transformation”**2006 U.S. Army Corps of Engineers Workshop
Online Registration available at www.aiahonolulu.org

DATE: Tuesday, April 11, 2006 7:30 am – 1:30 pm Hale Koa Hotel

Name: _____ **Membership:** **AIA** **ACECH** **GCA**
 BIA **ABC** **COE**
Email: _____ **other** _____

Registration fee: \$109 (deadline April 4, 2006) Fee includes continental breakfast, lunch, coffee
 \$130 (after April 4, 2006) breaks, hosted parking & one copy of workshop manual.

Refund/cancellation deadline: **April 4, 2006** (Alternate: check if vegetarian lunch desired)

No reservations will be accepted after 12:00 noon, Friday April 7, 2006

Total Amount enclosed: _____ (Check payable to AIA Honolulu)

Or: VISA. Master Card. Account number _____ Expiration date: _____

Last 3 numbers on signature line on back of card: _____ Daytime Telephone Number: _____

Credit card billing address (include zip code): _____

Mail form & payment to: **AIA Honolulu**, 119 Merchant Street, Suite 402, Honolulu, HI 96813.

For more information, call AIA Honolulu at 808-545-4242; fax 808-545-4243.

AIA CES LUs are available for AIA members. Each participant may attend three break-out sessions. Please indicate your three choices below.

Military Construction (MILCON) Transformation *NEW*

The U.S. Army is transforming by re-stationing troops, reorganizing to a more mobile and modular force and closing existing bases. The resulting flood of projects must be executed cheaper, faster, and better. Learn how the Corps and industry partners must change the way they deliver projects by using Design Build based on commercial standards.

Life-Safety Deficiencies *Repeat by request with updates*

Discussion will focus on life-safety design deficiencies found by POH team either during design review or during the construction. Discussion will highlight the applicable codes and criteria requirements, and insight into how to avoid similar deficiencies. Life safety defects are always a potential source for future liability. Greater understanding of applicable codes and criteria and their proper application during design production will help to reduce this potential.

Construction Contractor and AE Performance Evaluation Systems *NEW*

Effective 1 October 2005, a major change was made to ACASS and CCASS which allows contractors and AEs to provide input into their ratings before they are finalized. A hands-on demonstration will show you how to use these web based systems. Also learn how AEs and construction contractors are evaluated and what constitutes outstanding performance.

Spatial Data Standards for Facilities, Infrastructure and Environment (SDSFIE) *NEW*

Did you know that SDSFIE is now a part of AE contracts? SDSFIE are graphic and non graphic standards for GIS implementation within the Department of Defense. This session will inform AEs on what is required to meet these standards.

Historic Preservation *Repeat by request with more detail*

Historic Preservation has become an increasing concern as we renovate older buildings. This topic will discuss applicable laws, regulations and executive orders and the necessary coordination with the State Historic Preservation Office.

Construction Quality Management (CQM) Updates *NEW*

Learn how turnover of “occupiable” facilities and new wastewater protocols affect construction quality management. AEs and contractors will also learn about the issues and concerns about National Pollutant Discharge Elimination System (NPDES) Phase 2 compliance on construction sites.

Cost Escalation Issues *NEW*

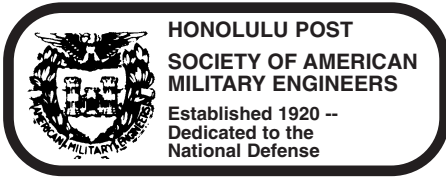
Construction cost overruns affect timely contract awards and building turnovers. This session will discuss various cost escalation issues such as underestimating during design and bid holding periods that can affect costs.

AE Liability *Repeat by request with more detail*

Learn about the Corps’ and Honolulu District’s AE liability program. The criteria for determining when an AE will be penalized for errors will be revealed. This session will also discuss liability of AEs who prepare the criteria used by the contractor’s Design Build AE.

Project Definition Rating Index *NEW*

PDRI is a user friendly pre-project planning tool to help owners, designers and constructors reduce total project costs and improve schedule performance by measuring risks related to project scope definition. Learn how Honolulu District will be implementing this tool developed by the Construction Industry Institute and the University of Texas at Austin.



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

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Novy Named USAF's NSPE Federal Engineer of the Year

The Society of American Military Engineers (SAME) Honolulu Post Director of Communications, Captain David Novy, was named the U.S. Air Force's military category 2005 National Society of Professional Engineers (NSPE) Federal Engineer of the Year.

Novy's accomplishments included a \$400 Million construction program in Iraq rebuilding the country's military infrastructure, environmental leadership and design awards for a

(continued on page 10)

SAME Regional VP and Honolulu Post President Visit CSA

The Society of American Military Engineers (SAME) Pacific Region Vice President, Rear Admiral Gary Engle (Commander, NAVFAC PAC), and Honolulu Post President, Colonel Steve Hoarn (HQ PACAF), briefed the Contract Services Association (CSA) Regional Conference at the Hilton Hawaiian Village in Waikiki on 10 January.

The officers joined Colonel(P) John Peabody, Commander, US Army Corps of Engineers Honolulu District, during a Department of Defense Contacting Opportunities "Overview from the Top" presentation. The Army, Navy, and Air Force engineering perspectives for business opportunities in the Pacific were addressed at the event which was well-attended by Honolulu Post Sustaining Members and local firms affiliated with the CSA. In this, the "Pacific Century," an estimated 170 Federal opportunities worth more than \$14.9 billion are expected to be contracted between 2006 and 2010.



Col Steve Hoarn, HQ PACAF, addresses the CSA audience.

PACAF Civil Engineers Donate \$5K to SAME Scholarships

The Pacific Air Forces (PACAF) Civil Engineer, Colonel William M. Corson, presented a check for \$5,000 to the SAME Honolulu Post scholarship fund in January 2006. The money was raised by the PACAF Civil Engineer Directorate during the annual Base Civil Engineer conference golf tournament held in November 2005.

The conference was attended by squadron commanders and Chief Master Sergeants from the command's nine main operating bases and leaders in the contracting community.

The Honolulu Post of SAME plans to donate \$20,000 to graduating high school seniors and

current college students pursuing degrees in engineering and architecture. "PACAF/CE's generosity will allow the Honolulu Post of SAME to fulfill our dream of awarding at least two scholarships to University of Hawaii engineering and architecture program students this year," said Colonel Steve Hoarn, Post President.

More information on the SAME scholarship program as well as application forms can be found on the Post website, <http://posts.same.org/honolulu>. Scholarship applications must be postmarked by 15 Mar 06.



(L-R) COL William Corson, LTC Rowene Lant, CMSgt Jerry Lewis, and Ms. Elizabeth Tevault, present a check for \$5,000 to Mr. Dana Voight in support of the Honolulu SAME Post college scholarship program.

**The Society of American Military Engineers, Honolulu Post
 Invites you to join us for the**

**2006
 ENGINEER'S WEEK KICK-OFF LUNCHEON**

Presentation: University of Hawaii 2006 Football Program
 Speaker: Coach June Jones, University of Hawaii Football

Hale Koa Hotel, Banyan Tree Showroom • Tuesday, February 21, 2006 at 11:30 AM
 Luncheon Cost: \$25.00 • (Public parking available at Ft. DeRussy)

RSVP BY 15 FEBRUARY 2006.

SEND THIS FORM AND PAYMENT TO:
 Society of American Military Engineers, Honolulu Post
 c/o Randy Lau
 Designer Built Systems, Inc.
 555 Paiea Street Suite 105
 Honolulu, HI 96819

(Make checks payable to Society of American Military Engineers)

Name: _____

Organization: _____

Address: _____

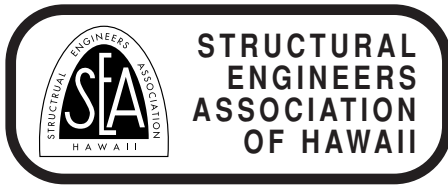
Phone: _____

Number in Party: _____

Receipt required: Yes _____

No: _____

LUNCH: Warrior Buffet



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

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HAWAII CHAPTER

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Web Page: www.lgsea.com

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General Membership Update

Ballots for 2006 directors continue to come in. Incoming president, Tim Waite of Simpson-Strong Tie, is creating the slate of officers for this year. The Installation banquet will be held on February 10th at Oahu Country Club. The program will start at 6pm, preceded by 5pm cocktail reception hosted by Dietrich Metal Framing. Please join us in welcoming the new administration.

LGSEA will be participating as exhibitors with the Hawaii Pacific Steel Framing Alliance at the BIA Home Building and Remodeling Show February 2-5 at the Blaisdell Exhibition Hall.

New for membership in 2006: LGSEA will be offering multiple memberships in each company at discounted rates. Memberships will be transferable to other designated representatives should a current member leave the company. This will allow more individuals in a company to receive LGSEA technical bulletins, research notes, and newsletters. Please take advantage of this new membership opportunity.

HIGHLIGHTS OF BOD MEETING

January 11, 2006

Committee Reports:

Membership Committee: Karynn Niimi and Jiaping Yang, Sato & Associates, Inc., were accepted for SEAHO membership as Allied Members.

New Business:

Masonry Institute of Hawaii (MIH) / Mason Contractors Association of Hawaii (MCAH) Scholarship: The MIH / MCAH Golf Committee will award four (4) \$1,500, one-time scholarships to four (4) college / university students for the 2006 / 2007 academic year. Eligible candidates shall be full-time Freshman (incoming / current), Sophomore, Junior or Senior students attending an accredited college or university in the United States and have a parent who is a current member of any one or more of the following organizations:

- Laborer's Union;
- Structural Engineers Association of Hawaii (SEAHO);
- The American Institute of Architects (AIA) in Hawaii;
- Mason Contractors Association of Hawaii (MCAH).

Application forms will be available by January 15, 2006 and must be returned and postmarked no later than February 28, 2006. For more information and details on candidate eligibility, please contact Mr. Brian Awakuni, MIH, at (808) 384-1487.

Hawaiian Cement "2006 Concrete Achievement Award": A letter was received from Hawaiian Cement requesting assistance from SEAHO to provide a juror to serve on the review and selection panel for the "2006 Concrete Achievement Award" given bi-yearly by Hawaiian Cement. The issue was forwarded to the 2006 Board for selection of the SEAHO juror (name of juror due to Hawaiian Cement by February 03, 2006) and further action.

Webcast Seminars: SSFM International, Inc. has offered its conference room as a venue for future webcast seminars hosted by SEAHO. An American Society of Civil Engineers (ASCE) webcast seminar is being considered as one of the possible programs to be offered soon to SEAHO members and webcasts by other organizations will also be considered as they become available.

Technical Seminars / Upcoming SEAHO Events: It was reported that the Concrete Reinforcing Steel Institute (CRSI) has contacted SEAHO to inquire if it would be interested in hosting a lunch program (topic to be determined) given by CRSI. Following discussion, the Board decided that CRSI shall be contacted to schedule a lunch program as an early 2006 seminar.

It was reported that the

Hawaii State Hurricane Advisory Committee (HSHAC) will be organizing and hosting the Applied Technology Council (ATC) ATC-45 "Field Manual: Safety Evaluation of Buildings after Wind Storms and Floods" training seminar and has requested that SEAHO provide the seminar that will fit within SEAHO's events calendar. The SEAHO events calendar will be reviewed and the HSHAC will be provided with dates in the months of April or May of this year that SEAHO prefers.

After discussion, it was decided that an attempt will be made to combine the Dietrich Metal Framing manufacturing plant tour with a job site visit to a housing construction site that features light gage steel. The plant tour and job site visit, tentatively scheduled for the end of March, will be a joint event with the Light Gage Steel Engineers Association (LGSEA). In addition, an attempt will be made to schedule future site visits to varied construction sites in the downtown area.

2006 Calendar of Events:

January 27, 2006 Banquet: SEAHO Board of Directors Installation Banquet, Hale Koa Hotel, Waikiki

February 8-11, 2006 Conference: AISC "North American Steel Construction Conference", San Antonio, Texas

February 10-11, 2006 Conference: "NCSEA Winter Institute", Jacksonville, Florida

February 19-26, 2006 Event: National Engineers' Week

February 21, 2006 Luncheon: Engineers' Week Kick-Off Luncheon

February 25, 2006 Forum: "Masonry

(continued on page 10)

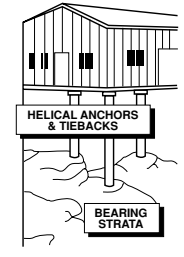
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ASCE History, from page 6

cussed last month (January 2006). He then goes on to inform us that by 1851 a four-inch iron main from "a small masonry reservoir in the vicinity of what is now Bates street... down Nuuanu avenue" supplied vessels in port. Moreover, "in the town, all who could, connected with it." Thus, by happenstance, and excluding privately owned water that was not offered for sale to the general public, "the problem of furnishing Honolulu with water fell to the Government rather than to private enterprise."

Consistently, Section 191 of the Civil Code of the Hawaiian Islands provided, among other things, that "The Minister of the Interior shall have the general charge of the pipes or conduits of water to supply the town and harbor of Honolulu. He may, from time to time, regulate the rates of supply to ships, and to parties on shore, and establish all such rules as may be needful for the public interests."

A system expansion plan, drawn by William Webster (Engineer) was described by him to the Kingdom's Minister of the Interior in a letter dated "30 of June, 1854" which the Minister incorporated in his 1855 report to the Legislative Assembly. Webster determined that "from bad foundations and other causes, the present reservoir leaks nearly as much as the whole present supply," and recommended against repair as it was too small to meet anticipated demand and "from being situated so near the Nuuanu road, it forms a receptacle for dust and dirt."

Instead, he proposed a new facility, "100 feet by 80 feet clear at the bottom by 10 feet deep" to be located close to "a spring about 200 yards above the [present] reservoir" which served as the source of the supply at the time. Webster's complete plan, costing \$68,000 by his estimate, also included "a pipe from the spring named Kapena down to the site of the proposed 511,250-gallon reservoir," and a distribution network to Queen Street and town.

This plan, says Sedgwick, was implemented in 1860-61 under Webster's direct supervision with the new reservoir "situated at Kahookane below Judd street, and between Nuuanu Avenue and Nuuanu Stream, and was so well constructed that it was doing service up to 1895." Sedgwick's "History," by the way, contains a copy of Webster's 1861 plan showing the pipe alignment and land ownership between the reservoir and Kapena Falls.

The decades following the construction of Webster's plan involved a series of very significant events relating to private and public water rights and other legal issues, but little physical development. Also, the drilling of the first artesian well at Honouliuli in 1879 and one in Honolulu proper in 1880 had little immediate impact on the public water supply system inventory.

During this time frame, according to Sedgwick, "the [original] Makiki reservoir of masonry, holding 750,000 gallons was built" to accommodate the population growth there, and "a reservoir was also built in Nuuanu Valley, on the Queen Emma property," farther up the valley than the place where Webster built his.

Official attention was, so to speak, creeping up the valley!

<To be continued>

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>.

SEAOH, from page 9

Construction Practices Forum", Honolulu Country Club

February 25, 2006 Banquet: Engineers' Week Banquet

March 2006 Qrtly Meeting: Light gage steel plant tour and construction site visit (tentative)

September 14-16, 2006 Conference: NCSEA Annual Conference, Salt Lake City, Utah

October 19-20, 2006 Convention: CCPI Annual Convention, Hapuna Prince, Kohala Coast, Island of Hawaii

October 26, 2006 Seminar: "2005 AISC ASD & LRFD Unified Manual"

November 4-11, 2006 Convention: SEAOH Annual Convention, Osaka, Japan

Novy, from page 8

180-person dormitory at Eielson Air Force Base, Alaska, leading the Pacific Air Forces \$41 Million Geographic Information Systems "GeoBase" implementation, managing a \$181 Million utilities privatization program, and scientific research/publication in the field of industrial hygiene.

Colonel Steve Hoarn, Honolulu Post President, said "Dave would be the first person to credit the award to the many professional Airmen, Soldiers, Sailors, and civilians he has had the privilege of working with. He enjoys mentoring relationships with senior engineers who encourage professional development and this award is a reflection of the quality of people he has worked with in his Air Force career."

Novy is a registered Professional Civil Engineer in the State of Alaska.

USACE/NSLC Offer ACASS/CCASS Training

Training is now available for the US Army Corps of Engineers' Architect-Engineer Contract Administration Support System (ACASS) and Construction Contractor Appraisal Support System (CCASS).

The primary purpose of the CCASS is to ensure that data on contractor performance is current and available for use in source selections through the Past Performance Information Retrieval System (PPIRS). Performance assessments will be used as a resource in awarding best value contracts and orders to contractors that consistently provide quality, on-time products and services that conform to contractual requirements. CCASS performance evaluations can be used to effectively communicate contractor strengths and weaknesses to source selection officials. CCASS also contains a 1-1/2 year history of contract award data received from the Federal Procurement Data System—Next Generation (FPDS-NG). Contractor officials may use information derived from CCASS for other management purposes consistent with DoD guidance and policy.

ACASS and CCASS are excellent tools for documenting contractor performance and are used throughout the Department of Defense and several other Federal Agencies. Benefits of using ACASS and CCASS include facilitating government-contractor communication, motivating improved contractor performance, and preparing contractor report cards to be used in support of Government source selections.

ACASS and CCASS are mandated for use by Department of Defense (DoD) agencies. The

US Army Corps of Engineers (USACE) is the DoD Executive Agent for these systems and the Portland Oregon-based USACE Contractor Appraisal Information Center (CAIC) is the primary center to assist both government personnel and contractors in using these systems. Contact the CAIC Help Desk at (503) 808-4590 or by Email: CENWP-CAIC@usace.army.mil.

Naval Sea Logistics Center (NSLC) Detachment Portsmouth provides quarterly seminars and free web-based training for ACASS/CCASS, as well as ACASS/CCASS practice applications. Training information for ACASS/CCASS is available from the CPARS web page at <http://cpars.navy.mil>.

A copy of the ACASS/CCASS brochure can be found on the SAME Honolulu Post website: <http://posts.same.org/honolulu>



2005-2006 OFFICERS

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Dr. Amarjit Singh Elected Fellow of ASCE

Dr. Amarjit Singh has been elected as Fellow, American Society of Civil Engineers. He formerly served as the Chair, Hawaii Council of Engineering Societies, 1997-98. He is the founding associate editor of the Legal Affairs Section of the ASCE Journal of Professional Issues in Engineering Education and Practice, and serves as specialty editor in the ASCE Journal of Construction Engineering and Management. In addition, he holds editorial office on two other peer-reviewed journals and serves on the editorial board of another three. Dr. Singh is the Chair of the international executive committee of the International Structural Engineering and Construction Conference organizing biennial conferences worldwide. He has performed research projects in Finland, Japan, and Southern Polynesia, in addition to those in Hawaii for HIOSH and HDOT. He was awarded the Sir Arthur Cotton Memorial Prize and Medal for the best peer-reviewed paper published in the civil engineering division of the Institution of Engineers (India), 2004. Earlier, the University of Florida recognized him as the M. E. Rinker, Sr. Eminent Scholar, 1998. Dr. Singh has had construction industry experience in Canada, Kuwait, Nepal, and India. He is currently an associate professor of engineering management and construction at the University of Hawaii, and also serves as an affiliate faculty member in the Department of Public Administration. He is a licensed and registered engineer in Canada and United Kingdom, respectively. He has authored two books (edited volumes) and written 150 significant professional articles and technical reports. He is a Fellow of the Institution of Civil Engineers.



Bernard P. Kea, from page 1

planned communities on Oahu, Mr. Kea became involved with such award-winning projects as Waipio by Gentry, Waikele, and Ko Olina Resort & Marina. He began overseeing the integration of subdivision lot-layout and total infrastructure planning, often serving as the person responsible for discerning if it was practical or even feasible to build on selected parcels. Other distinguished projects completed by CP&E under his auspices include Waialae Iki, Crosspointe, Kawela Plantations, Village Pokai Bay, Sand Island Industrial Park, and Dole Cannery Industrial Park.

As an adept problem-solver, with extensive career accomplishments, he has earned tremendous respect throughout the engineering, development, and business communities and is recognized as an authority in the land development process. With the presentation of their prestigious O'o Award, the Native Hawaiian Chamber of Commerce recognized Mr. Kea in 1996 for his exemplary achievements in business. Currently serving as Chairman Emeritus at CP&E, he continues to be actively involved with the company and is currently focused on planning new communities for the Department of Hawaiian Home Lands, which will be spread across the entire state, from Wailua, Kauai to Panaewa on the Big Island.

Jeffrey K. Kalani, from page 1

In May 2005, Mr. Kalani joined Yogi Kwong Engineers with 8 years of experience and now serves as a Senior Geotechnical Engineer and Construction Manager. His current projects total over \$70 million in construction cost. He has made key engineering contributions to many noteworthy projects which have received local and national awards. The Nimitz Reconstructed Sewer, the Stabilization of Crater Rim, National Cemetery of the Pacific, Punchbowl, Hart Street Force Main Harbor Crossing, and the Ocean Outfall Extension at Fort Kamehameha to name a few. Mr. Kalani has contributed to the advancement of the state-of-the art of civil engineering by giving presentations and co-authoring numerous technical publications pertaining to construction engineering, microtunneling, horizontal directional drilling and stabilization of soft soils using jet grouting techniques.

He has received numerous awards and recognitions for his accomplishments, most recently he was presented the Edmund

Friedman Young Engineer Award from the American Society of Civil Engineers in October 2005. This award is given annually to not more than four ASCE members 35 years old and less who are judged to have attained significant professional achievement by the degree to which they have served to advance the profession; exhibited technical competence, high character, and integrity; developed improved member attitudes toward the profession; and contributed to public service outside of their professional careers.

Mr. Kalani's dedication to the engineering profession and community has been demonstrated at various levels. We are indeed fortunate to have Mr. Kalani representing us in the engineering community. Congratulations to Mr. Jeffrey Kalani, P.E. as the Young Engineer of the Year for 2006.

Dudley Pratt, from page 2

In addition to his professional activities, Dudley has always set aside a large part of his personal life for service to numerous community organizations. He has been an active member in many groups, especially the Boy Scouts of America. He started in 1936 as a Cub Scout and continued as Boy Scout, Sea Scout and Explorer Scout. He earned his Eagle Scout award at age 16. During his professional career he served as Neighborhood Commissioner for Windward Oahu and was given the Silver Beaver, Distinguished Eagle Scout, and Silver Antelope Awards for his active support of the Scouting program. He has served on the BSA, Aloha Council Executive Board since 1980, with two years as its President in 1989 to 1990. Presently he is Vice President, Pacific Basin Scouting, for the area encompassing Samoa, the Marshall Islands, the Federated State of Micronesia, Guam, Northern Marianas, and Palau. He is a member of the Western Region Board of Directors, the National Council, BSA, and the National Eagle Scout Association. He has also been active as an officer in 26 other organizations.

His honors and awards have included: Tau Beta Pi (1949), Beta Gamma Sigma (University of Hawaii 1971), Chi Epsilon Honorary (University of Hawaii 1977), Distinguished Eagle Scout Award (1983), University of Hawaii Distinguished Alumni (1987), University of Hawaii MBA Association- Most Prestigious Member (1982), University of Hawaii Outstanding MBA alumnus (1992),

Outstanding Beta Gamma Sigma Alumni (1995), S.M.E. 1988 Sales Person of the Year, ASCE Hawaii Section Chapter Honor Member, Hawaii Society of Professional Engineers Engineer of the Year (1984), Citizen of the Year, U.S. Army Western Command (1989).

For all of his accomplishments in his professional career, in ASCE and in the community, Dudley was recognized as an ASCE Honorary Member in 2002. ASCE states "An Honorary Member shall be a person who shall have attained acknowledged eminence in some branch of engineering or in the arts and sciences related thereto." Only 513 engineers have been elected to this distinguished grade of membership since 1853.

Throughout his career, Dudley has demonstrated the personal qualities of a person dedicated to the growth and betterment of his profession and his community. He continues to be an active member of many of the organizations that have benefited from his technical and management skills as an engineer.

Jason Pang, from page 1

Scholar's Course. This course included all-expenses-paid four weekend workshops to various mainland universities to learn more about earthquake engineering in preparation for graduate study.

EAH, from page 4

struted to verify the design assumption for the proposed ponds. The funding will be from both State and Federal. The State funding has been encumbered, but the Federal funds are pending the State and Federal agencies reaching agreement on certain issues. Travis will be finishing their design early next year and is hopeful the project will move forward next year. The sound recording of this meeting will be posted to EAH's WEB site.

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