

## ENGINEERS WEEK BANQUET SPEAKER

Peter G. Nicholson, Ph.D., P.E., M.ASCE  
February 25, 2006, at the Oahu Country Club

Dr. Peter Nicholson will speak on the "Performance and Investigation of the New Orleans Flood Control System: Hurricane Katrina" at the Engineer's Week Banquet. As the leader of ASCE's Levee Assessment Team and now an appointed member of the federally commissioned External Review Panel (ERP), Dr. Nicholson is in a unique position to share his experiences and observations of the failures, and some insight into the underlying problems with the flood control system that was supposed to protect one of America's major cities.



While Hawaii does not have the same types of extreme flooding hazards as experienced in New Orleans, we do have a very real susceptibility to both hurricanes and flooding. This was recently exemplified by the Manoa flood that caused so much damage at the University of Hawaii. Hawaii has, as well, numerous high hazard dams and even some levees that pose potential threats to communities downstream of those structures. The failures and consequential flooding in New Orleans should be a wake-up call to our own hazards from flood control and water retention structures.

Dr. Nicholson currently serves as a professor and the graduate chair for the Department of Civil and Environmental Engineering at the University of Hawaii at Manoa, where he has been the senior faculty member for the geotechnical program for 15 years. He is a licensed professional engineer in Hawaii, with more than 20 years experience in the design, inspection and assessment of dams and levees in Utah, California and Hawaii. During the period from September through November, Nicholson served as the team leader for the ASCE Levee Assessment Team deployed to New Orleans in the aftermath of Hurricanes Katrina and Rita. In early December, he was appointed to the federally commissioned External Review Panel (ERP) authorized by Defense Secretary Donald Rumsfeld, charged with the oversight of investigations and recommendations on rebuilding of the levee system in the aftermath of the disaster.

Nicholson has been an elected member of the Hawaii State Earthquake Advisory Board/Committee for Hawaii State Civil Defense since 1991. He served on the advisory council for ASCE's Report Card for America's Infrastructure in 2003 and 2005. Nicholson is chair of the Embankment, Dams & Slopes Committee for ASCE Geo-Institute. He has also been an active member of the Association of State Dam Safety Officials (ASDSO) and several Transportation Research Board committees for the past 15 years.

Dr. Nicholson received a bachelor's degree in Geology and Geophysics from Yale University, and master's and doctorate degrees in Civil/Geotechnical Engineering from Stanford University. He also pursued post-graduate studies at the University of Utah and the University of California at Berkeley.

**See banquet registration form on page 4.**

***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



Published monthly by:

HAWAII COUNCIL OF ENGINEERING SOCIETIES

SERVICE PRINTERS, INC.

1829 Dillingham Boulevard • Honolulu, HI 96819

Telephone: (808) 841-7644 • Fax: (808) 847-1487

ADDRESS ARTICLES FOR PUBLICATION TO:

WARREN YAMAMOTO

1526-C Pukele Avenue • Honolulu, HI 96816

Telephone: 527-6988

#### 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

Office: 808-692-5054

Fax: 808-692-5857

## THE AMERICAN SOCIETY OF CIVIL ENGINEERS AND UNIVERSITY OF HAWAII COLLEGE OF ENGINEERING CO-SPONSORED POPSICLE STICK BRIDGE COMPETITION FOR MIDDLE SCHOOL STUDENTS

The American Society of Civil Engineers (ASCE) Hawaii Section and the University of Hawaii College of Engineering co-sponsored a popsicle stick bridge competition during the Engineering Expo for Middle School Students at the University of Hawaii at Manoa, Holmes Hall. Thirteen teams of three students from eight middle schools participated in this activity.

Students were limited to using no more than 700 popsicle sticks and had to use Elmers glue to hold their bridge together. The bridges had to span over 2 feet, had to be at least 4 inches wide and could be no taller than 9 inches. Bridges were judged by how much load it could hold in a load frame. The participants presented to the judges how they chose their design, the most difficult part about building the bridge and how they expected their bridge to handle the load.

This year's first place winners were Chelsea Domingo, Ashley Marquez and Gabrielyn Lee from Kapolei Middle School's "Kapolei Blue Flames" team. Their bridge withstood a total of 226 pounds. "We worked on our bridge for almost one month, during our lunch breaks and after school," said Gabrielyn Lee. "I'm so proud of our students," said Ariel Villanueva, the students' teacher, "they worked really hard—we hope to come back next year!" The second place team, "Kapolei Silver Surfers" also from

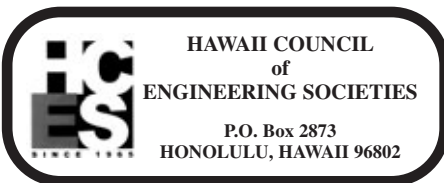
Kapolei Middle School, designed a bridge that supported 197 pounds while the third place team, "Pink Monkeys" from Kalama Middle School on Maui, competed with a bridge that held 187.5 pounds.

ASCE and the UH College of Engineering co-sponsored this event once previously in January 2004. The College and ASCE hope that through activities like the popsicle stick bridge competition, more students will become interested in Engineering. Engineers, especially Civil Engineers, are currently in high demand in Hawaii with Civil Engineering positions open at all levels of Government, the Private Sector and in the Construction Industry.



#### 2004-2005 OFFICERS

President	Wayne Yoshioka
Vice-president	Greg Hiyakumoto
Secretary	Jodi Chew
Treasurer	Robert Nehmad



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

#### 2005-2006 OFFICERS

Chair:	Westley Chun	440-0269
Vice Chair:	Todd Barnes	275-2901
Secretary:	Maelyn Uyehara	521-2641
Treasurer:	Ken Rappolt	536-6621

SOC	Representative	Alternate
AAACE	M. Uyehara	
ASCE	W. Chun	K. Niiya
ASME	J. Grogan	R. Liu
EAH	M. McMorrow	G. Yamamoto
FALEA	M. Shoji	
HALS	D. Hirota	E. Kaneshiro
HSPE	K. Rappolt	Q. Komori
IEEE	G. Torigoe	O. Libed
ITE	C. Yoshida	R. Archilla
LGSEA	W. Wong	
SAME	T. Barnes	
SEAOH	D. Doi	
SFPE	S. Dannaway	
UH(assoc)	S. Choi	

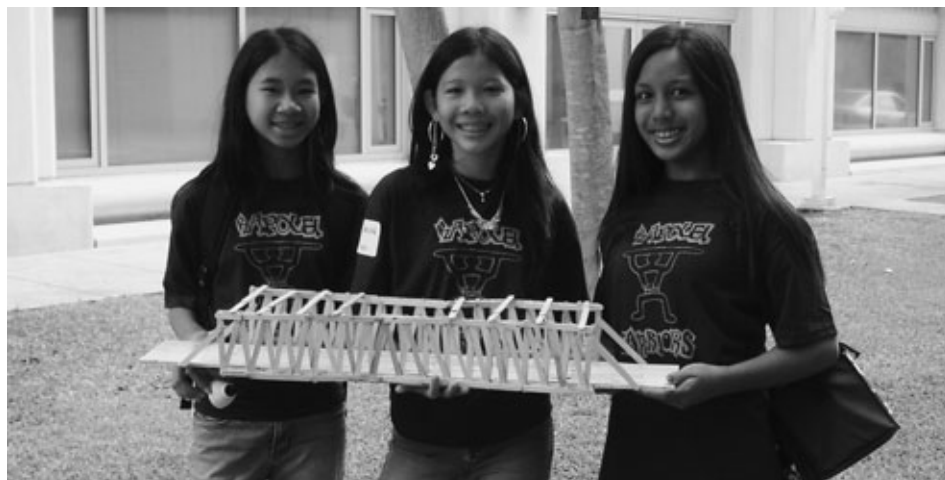


#### 2005-2006 OFFICERS

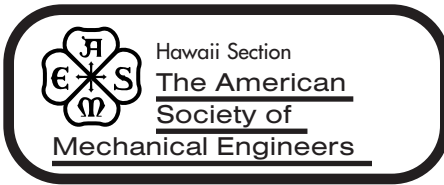
President	Maelyn Uyehara
Vice Pres	Thomas Taam
Treasurer	Dr Amarjit Singh
Secretary	Jian Zhou
Directors	Alan Cadieux, Anas Nasr, Cassie Yap



Participants from the 2005 ASCE/College of Engineering Popsicle Stick Bridge Competition



First Place winning team.



Website: [www.sections.asme.org/hawaii](http://www.sections.asme.org/hawaii)

#### ASME-HI 2005-2006 Officers

Chairperson	Raymond Liu Rliu92228@aol.com	521-3773
Vice-Chair	Rodney Krienke rkrienke@earthlink.net	306-5759
Secretary	Kevin Dang Dangk001@hawaii.rr.com	737-1708
Treasurer	Derick Kam kam@thermaleng.com	848-6966
Dir 1 yr	Chester Kaitoku ckaitoku@honolulu.gov	527-6063
Dir 2 yr	James Grogan jfgrogan@worldnet.att.net	254-2547



[www.sfpehawaii.org](http://www.sfpehawaii.org)

#### OFFICERS

President	Melvin K. Harano, P.E. harano@thermaleng.com	848-6966
Vice-Pres	Robert T. Bigtas, P.E. Rbigtas-ssda@hawaii.rr.com	526-9019
Secretary	Derick Kam kam@thermaleng.com	848-6966
Treasurer	Samuel S. Dannaway, P.E. Sdannaway-ssda@hawaii.rr.com	526-9019
Past Pres	Robert Lohaus, P.E. lohausbob@hawaii.rr.com	833-4095
Directors	Michael J. Orlowski Michael.orkowski@navy.mil	474-3819
	Robert M. Miller, P.E. rpehi@hawaii.rr.com	951-7215
Webmaster	Derick Kam kam@thermaleng.com	

#### HAWAII SFPE SEMINAR PRESENTATION

##### NFPA 101® LIFE SAFETY CODE SEMINAR

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 & Time: Monday March 6 to Wednesday March 8, 2006, 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 and Sam Dannaway, Program Chairman

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

#### HAWAII SECTION MEETING

Date: January 10, 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.

#### ANNUAL CHRISTMAS PARTY AND FINAL ASME 125th ANNIVERSARY CELEBRATION

ASME-HI members celebrated with a December 18, 2006 get-together at the Golden Palace Seafood Restaurant on 111 N. King Street. Participants included the Department of Mechanical Engineering, University of Hawaii at Manoa, faculty and student members. This ended ASME's more than yearlong activities to change to a new more efficient professional organization.

The Officers and Directors of ASME-HI wish all its members and families a healthy and prosperous new year.

#### 2006 MATHCOUNTS COMPETITION

The Oahu Chapter Competition will be held on Saturday, February 11, 2006, and the State Competition is on Saturday, March 11, 2006. In its 23rd year in Hawaii, it will again be held in the Kamehameha Schools Kalama Dining Hall.

MathCounts is a national math enrichment, coaching and competition program that promotes middle school mathematics achievement through grassroots involvement in every U.S. state and territory. MathCounts is one of the most successful education partnerships involving volunteers, educators, industry sponsors, and students.

With new focus on innovation, education to strengthen U.S. competitiveness urged by corporate and academic leaders, take note that MathCounts has been a leader in this effort for 22 years. On December 6, 2005, at a national summit to address U.S. economic competitiveness, top business and academic leaders called on Congress and the Administration to revitalize the U.S. investment in fundamental research, strengthen K-12 science, technology, engineering, and mathematics (STEM) education, and enable the U.S. to lead the world in the development and deployment of advanced technologies. For more information on this Summit, please visit: <http://www.usinnova-tion.org>.

Each year the participation by middle schools (6th, 7th and 8th graders) increases. Each school has a team of 4 Mathletes® and up to 4 alternate Mathletes®. At both Chapter and State competitions, they all go

through three grueling rounds of math problem solving. The first is the Sprint Round with its 30 problems, and then comes the Target Round and its 8 multi-step problems, and finally the Team Round with 10 problems solved by the team of 4 Mathletes®. The top scoring individuals move on to the Countdown Round where pairs of Mathletes® compete against each other and the clock. Although MathCounts questions are written with the curricula for grades 6-8 in mind, many of us Engineers would not want to compete against these students. The school coaches prepare their teams like school athletes. Problem solving strategies are practiced along with hours and hours of problem solving.

On May 11-14, 2006, Hawaii's four top Mathletes® will be in Arlington, Va. to take part in the Lockheed Martin MathCounts National Competition.

The Hawaii Society of Professional Engineers (HSPE) has sponsored the Hawaii MathCounts for these past 22 years. Dr. Michael Chun, President and Headmaster of Kamehameha Schools is the Hawaii MathCounts Chairman. Continual, supportive major sponsors have been Aloha Airlines and Hawaiian Electric Company.

In the past HCES has considered the MathCounts Competition as an Engineers Week activity. Engineers have been asked to give up a Saturday morning and volunteer as proctors and scorers for the Oahu Chapter Competition. If you would like to help from 7:30 am to 11:30 am on February 11, please contact Ed Chang, Hawaii MathCounts Steering Committee member at 543-4227.




For more information contact:  
**Special Agent Kal Wong**  
(808) 566-4300  
An Equal Opportunity Employer  
[www.fbi.gov](http://www.fbi.gov)

**Federal Bureau of Investigation**

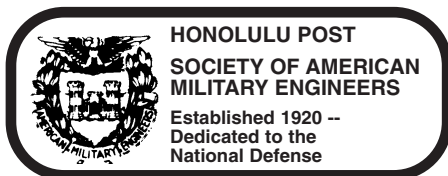
- ✦ Male and Female special agents
- ✦ Bachelor's or graduate college degree from an accredited institution
- ✦ Nationwide employment
- ✦ Computer Science/Information Technology, Engineering, Sciences (Architecture, Bio-chemistry, Biology, Chemistry, Forensics, Mathematics, Nursing, Physics, medical specialties), Law, Languages, Accounting/Finance, Intelligence, Foreign Counterintelligence, Counterterrorism
- ✦ 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



**FBI Special Agents**  
AMERICA'S FINEST







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

#### Honolulu Post Officers

##### PRESIDENT

Col Steven Hoarn, (PACAF) USAF  
 1st VP (Programs)  
 Todd Barnes, Weston Corp  
 2nd VP (Sustaining Members)  
 Will Boudra MWH Corp  
 3rd VP (Membership)  
 Jim Bersson (HED) USA

##### SECRETARY

Maj Matt Jefson (PACAF) USAF

##### TREASURER

LT Pedro Gonzalez (NAVFACPAC) USN

#### SAME Scholarship Golf Tournament:

##### May '06

The Honolulu Post of the Society of American Military Engineers will host its annual Scholarship Golf Tournament on 16 May 2006 at Marine Corps Base Hawaii.

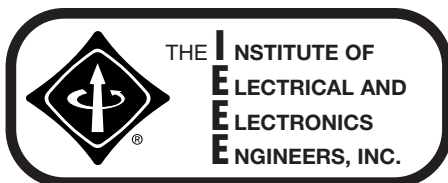
The 2005 tournament raised more than \$16,000 to support the Post's annual scholarship program — the Post hopes to raise \$20,000 this year.

Interested golfers and potential sponsors should contact Mr. Dana Voight, [Dana.Voight.ctr@hickam.af.mil](mailto:Dana.Voight.ctr@hickam.af.mil), for more information.

#### PACIFIC INDUSTRY FORUM

SAME will host a one-day event to bring Sustaining Members together with PACOM, Services, and contracting agencies in a briefing and round table forum to present the strategic view of the theater (unclassified), provide access to the contracting agencies, and allow for interactive discussion and promotion opportunities for sustaining member capabilities on 17 May 2006 at the Hale Koa Hotel in Waikiki.

Additional information will be posted on the Post website as it becomes available.  
<http://posts.SAME.org/Honolulu>



#### IEEE Hawaii Section

P. O. Box 37607 Honolulu, Hawaii 96837  
 Email: [sec.hawaii@ieee.org](mailto:sec.hawaii@ieee.org)  
 Web Page: <http://community.hawaii.com/ieee/>

#### 2005 HAWAII SECTION OFFICERS

Chair: Mark Rognstad 956-8712  
 ([mark\\_rogstad@ieee.org](mailto:mark_rogstad@ieee.org))

Vice Chair: Alison Lee 224-9723  
 ([al.lee@care2.com](mailto:al.lee@care2.com))

Sec/Treas: Marjorie Clemente  
 ([Marjorie.Clemente@twtelecom.com](mailto:Marjorie.Clemente@twtelecom.com))

#### Outreach committee:

Norm Kawachika 531-1308  
 ([normk@ieee.org](mailto:normk@ieee.org))

Fred Kobashikawa 543-7753  
 ([fkobashi@ieee.org](mailto:fkobashi@ieee.org))

Grant Torigoe 833-8889  
 ([torigoe@ieee.org](mailto:torigoe@ieee.org))

Andrew Chiu  
 ([andrewc\\_hi@hotmail.com](mailto:andrewc_hi@hotmail.com))

## 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](mailto:westley.chun@ch2m.com) or HCES Vice Chair Todd Barnes at 275-2900 or [todd.barnes@weston-solutions.com](mailto: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](http://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](http://www.hces.us) and [www.ascehawaii.org](http://www.ascehawaii.org)).

For additional information on the Ceremony, please contact: Walter Billingsley, ASCE President, at 846-3232 or [wbillingsley@beltcollins.com](mailto: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](http://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 846-3232	538-7819
	email: <a href="mailto:wbillingsley@beltcollins.com">wbillingsley@beltcollins.com</a>	
Pres-Elect	Lori Fong 384-5372	689-1585
	email: <a href="mailto:lfong@ascehawaii.org">lfong@ascehawaii.org</a>	
Vice-Pres	Phillip Ooi 956-8512	956-5014
	email: <a href="mailto:ooi@wiiki.eng.hawaii.edu">ooi@wiiki.eng.hawaii.edu</a>	
Secretary	Ron Iwamoto 486-5202	486-5206
	email: <a href="mailto:ron@iwamotollc.com">ron@iwamotollc.com</a>	
Treasurer	Mike Hunnemann 791-3980	533-2686
	email: <a href="mailto:mike@kaihawaii.com">mike@kaihawaii.com</a>	
Past Pres	Keith Niya 533-3646	526-1267
	email: <a href="mailto:kniiya@atahawaii.com">kniiya@atahawaii.com</a>	

### JANUARY DINNER MEETING

Program: Report on Levee Damage from Hurricane Katrina by Dr. Peter Nicholson  
Recognition of New Life Members

Date: Thursday, January 19, 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, 96813, postmarked by Monday, January 16, 2006. Reservations for the dinner meeting to Mike Hunnemann by Monday, January 16, 2006, by phone at 791-3980, fax at 533-2686 or email at [mhunnnemann@kaihawaii.com](mailto:mhunnnemann@kaihawaii.com).

### EXECUTIVE COMMITTEE MEETING

January 5, 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 Niya at 533-3646, or [kniiya@atahawaii.com](mailto:kniiya@atahawaii.com).

### ORDER OF THE ENGINEER RING CEREMONY

An Engineer's Ring Ceremony is being planned for the Engineer's Week Banquet on February 25, 2006, at the Oahu Country Club. The Engineer's Ring Ceremony is the public induction of candidates into the Order of the Engineer. The Order is the roster of engineers in the United States who have participated in an Engineer's Ring Ceremony and who have publicly accepted the "Obligation of the Engineer." During the Ceremony, candidates formally accept the Obligation of the Engineer and receive a stainless steel ring to be worn as

a symbol of recognition of membership in the Order of the Engineer.

The Obligation of an Engineer is the formal statement of an engineer's responsibilities to the public and to the profession. The Obligation includes a pledge to practice integrity, fair dealing, tolerance, and respect, and to uphold devotion to the standards and dignity of the profession, conscious always that an engineer's skill carries with it the obligation to serve humanity by making the best use of Earth's precious wealth.

Any engineer who has graduated from an ABET-accredited engineering program or holds a license as a Professional Engineer is eligible for induction into the Order of the Engineer.

A registration form for the Ceremony is provided with a separate announcement in this issue of the Wiliki.

### APPROVED FY 2006 BUDGET\*

Income Categories	FY 05 Actual Income	FY 06 Budget Amount
Section Dues	\$ 10,665.00	\$ 10,600.00
Society Allotment	\$ 3,659.80	\$ 3,600.00
Interest	\$ 172.11	\$ 0.00
Dividend Income	\$ 2,780.38	\$ 0.00
Contributions to Section	\$ 600.00	\$ 600.00
Grants	\$ 1,850.00	\$ 0.00
Advertising Income	\$ 3,626.33	\$ 3,500.00
ASCE Conferences	(\$ 445.84)	\$ 2,000.00
Educational Courses	\$ 20,506.50	\$ 0.00
Total Income	\$ 43,414.28	\$ 20,300.00

Expense Categories	FY 05 Actual Expense	FY 06 Budget Amount
ASCE Conferences	\$ 0.00	\$ 0.00
Educational Courses	\$ 14,842.17	\$ 0.00
Miscellaneous	\$ 272.93	\$ 0.00
Donations from Section	\$ 200.00	\$ 300.00
Stationary & Supplies	\$ 95.82	\$ 100.00
Postage	\$ 356.35	\$ 500.00
Newsletter	\$ 2,742.05	\$ 2,800.00
General Printing	\$ 0.00	\$ 50.00
Meetings	\$ 1,712.07	\$ 500.00
Younger Member Forum	\$ 1,950.00	\$ 2,000.00
Student Chapter	\$ 1,500.00	\$ 1,500.00
Official Travel	\$ 8,121.66	\$ 7,100.00
Committee Expenses	\$ 2,035.89	\$ 2,600.00
Awards & Prizes	\$ 2,042.49	\$ 2,850.00
Total Expenses	\$ 35,871.43	\$ 20,300.00
Net Income (Expenses)	\$ 7,542.85	\$ 0.00

Notes:

\* Reported values and budget include YMF income, expenses, and budget.

### 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 workshops will be coming to Honolulu in early 2006:

- HEC-HMS Computer Workshop, January 12-13, 2006, Radisson Hotel Waikiki. Topics to be covered include: Hydrologic Modeling Overview, HEC-HMS Capabilities, Basin Delineation, Precipitation Methodology, Rainfall Abstractions (Losses), Runoff Transformations, Stream Routing, Reservoir Routing, Model Execution, Analysis of Results, Dam Break and Special Topics, and Introduction to HEC-GeoHMS.
- 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 Lifeline.

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](http://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](mailto:lnishida@atahawaii.com) for further information.

### SIGN-UP FOR THE ASCE HAWAII SECTION'S WEBMAIL LIST

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 help the ASCE Hawaii Section reduce operating costs by receiving your monthly issue of the Wiliki via e-mail, please contact Joanna Seto at 586-4329 or [jseto@asce-hawaii.org](mailto:jseto@asce-hawaii.org).

**See other ASCE articles on pages 8 and 9.**



P.O. Box 88840  
Honolulu, HI 96830  
Website: [www.acechawaii.org](http://www.acechawaii.org)

### 2005 OFFICERS

		Phone	Fax
President	Janice Marsters	484-5366	484-0007
Pres.-Elect	Barry Jim On	521-3773	521-3993
Treasurer	Jon Nishimura	944-1821	946-9339
Secretary	Norman Kawachika	531-1308	521-7348
Past-Pres.	Glen Lau	841-8024	848-5102
Natl. Dir.	Roy Yamashiro	945-0198	944-1177



**HAWAII CHAPTER**

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

**2005 OFFICERS & DIRECTORS**

		Phone	FAX
President	Jeff Hanyu	536-2108	521-3000
Vice President	Tim Waite	479-1216	941-9079
Secretary	Brian Enomoto	486-5202	486-5206
Treasurer	Will Wong	945-0198	944-1177
Director	Howard Lau	942-9100	942-1899
Director	Glenn Isidro	533-2210	533-2686
Director	Akira Usami	682-5747	682-2928
Director	Darin Okuda	689-5400	689-5406
Director	Brent Uechi	521-6958	533-6701
Director	Shane Arnold	864-8133	
Past President	Mike Kasamoto	955-6834	955-2483

**2005 COMMITTEE CHAIRS**

Program:	Tim Waite
Technical:	Brent Uechi
Membership:	Darin Okuda
Sponsorship:	Glenn Isidro
Directed R&D:	Jim Walfish
Specifications:	Brent Uechi
Young Engineer Education:	Jeff Hanyu
Website:	Jeff Hanyu

**General Membership Update**

December Christmas Party with Hawaii Pacific Steel Framing Alliance was enjoyed by the 50+ attendees. The event was held at Dave and Buster's and the group split into teams. Teams participated in four different games with the winners receiving a special prize. Many door prizes and a 50-50 raffle prize were given out as well.

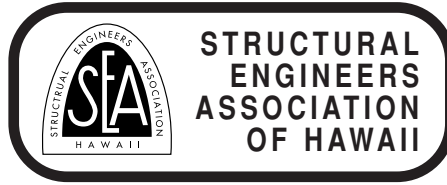
Ballots from December election for 2006 directors being collected and votes tallied. LGSEA Installation banquet is tentatively scheduled for February 10th, place TBD. Look for more details in the near future. LGSEA will be participating again with the Hawaii Pacific Steel Framing Alliance as an exhibitor at the annual Home Building and Remodeling Show at the Blaisdell Exhibition Hall, February 2-5. Please mark your calendars and let us know if you are interested in volunteering for a shift or two as an LGSEA exhibitor.



www.eng.hawaii.edu/~hspe

**2005-2006 STATE OFFICERS**

President	Manny Lanuevo, P.E.	838-8804
	State Department of Transportation	
	manny.lanuevo@hawaii.gov	
Pres. Elect	Ken Rappolt, P.E.	536-6621
	Lyons Associates, Inc.	
	ken@lyonassociates.com	
Vice Pres.	Barry Nakamoto, P.E.	543-4515
	Hawaiian Electric	
	barry.nakamoto@heco.com	
Secretary	Dave Hein, P.E.	327-9520
	State Department of Transportation	
	dave.hein@hawaii.gov	
Treasurer	Marc Botticelli, P.E.	329-8249
	Segawa & Associates	
	mbotticelli@wrsa.biz	



PO BOX 3348, HONOLULU, HI 96801  
 Web Page URL <http://www.seaoh.org>

**2005 BOARD OF DIRECTORS (BOD) OFFICERS & DIRECTORS**

President	Beverly Ishii-Nakayama	942-9100
	beverlyn@lava.net	
Vice Pres	Bennett Fung	356-1232
	bfung@ssfm.com	
Secretary	Dean Kokubun	536-2626
	deank@nagamineokawa.com	
Treasurer	Garett Muranaka	543-7574
	garett.muranaka@heco.com	
Director	Ibbotson Kellett	540-1030
	ibbotson@hawaii.rr.com	
Director	Wayne Kawano	848-7100
	wkawano@ccpihawaii.org	
Director	Dean Doi	955-4441
	ddoi@satoandassociates.com	
Director	Paul Morimoto	486-0787
	paul@hirata-hawaii.com	
Past Pres	Randy Chu	373-795
	mtchu@hawaii.edu	

**HIGHLIGHTS OF BOD MEETING**

December 07, 2005

**Committee Reports:**

Membership Committee: The 2006 SEAHO membership renewal and dues payment forms will be mailed out before the end of December.

Per request of the Disaster Response Committee, an additional section will be added to the 2006 SEAHO membership renewal form that will ask if the renewing engineer has completed training in the Applied Technology Council (ATC) ATC-45 "Field Manual: Safety Evaluation of Buildings after Wind Storms and Floods" and ATC-20 "Procedures for Postearthquake Safety Evaluation of Buildings" and if the engineer would be interested in including her / his name in the SEAHO database of engineers with such training.

2006 SEAHO Board of Directors Installation Banquet: The date of the 2006 SEAHO Board of Directors Installation Banquet has been rescheduled to Friday, January 27, 2006, 7 p.m., at the Hale Koa Hotel, Waikiki. Cost has been set at \$30 per person.

Hawaii Council of Engineering Societies [HCES]: It was reported that the Hawaii Space Grant Consortium has offered to conduct live and interactive science and engineering demonstrations during the 2006 Engineers' Week display event at Kahala Mall as it did for the 2005 event.

However, to fund its participation in the upcoming event, the Consortium is requesting an honorarium of \$1,500 and HCES has asked if its member professional societies would be willing and able to provide financial support to fund the honorarium.

It was proposed and approved that SEAHO will provide a maximum \$200 financial contribution to the honorarium for the Hawaii Space Grant Consortium's participation in the 2006 Engineers' Week display event.

Sports (Golf) Committee: It was reported that a total of \$400 will be donated to the American Red Cross' Disaster Relief Fund / Hurricane Katrina Relief from proceeds raised by the SEAHO Fall Golf Tournament.

**2006 Calendar of Events:**

First Quarter 2006 Qrtly Meeting: Light gauge steel plant tour (tentative)

January 10, 2006 Seminar: AISC "Steel Design After College"

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 20, 2006 Luncheon: Engineers' Week Kick-Off Luncheon

February 25, 2006 Forum: "Masonry Construction Practices Forum", Honolulu Country Club

(continued on page 9)

**STRUCTURAL SYSTEMS, INC.**

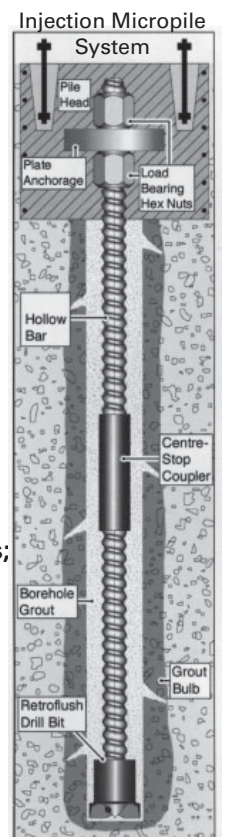
General Engineering

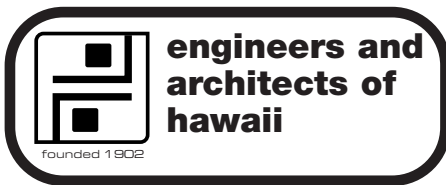
**Need to hold something Up?  
 ...Down? ...or Back?  
 In any type of Rock, Soil or  
 Concrete?**

- new or remedial
- restricted access
- slope stabilization
- varying site conditions
- underpinning systems
- Cased & Uncased Micro Piles; DSI-Lang, MAI, Titan

**Over 2 Decades of Success!  
 We Partner With You To Excel  
 Where Others Fail  
 Ph. 845-2474**

[www.ssihawaii.com](http://www.ssihawaii.com)  
 License #AC-13555





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

#### 2005-2006 OFFICERS

President	Gary Yamamoto	485-2777
1st VP	Travis Hylton	531-3017
2nd VP	Vacant	
Treasurer	Ralph Dobson	227-2746
Secretary	Sam Gillie	543-4739
Director	Michael Albright	536-1737
Director	Mary Ellen Nurdyke-Grace	543-4885
Director	Eric Kashiwamura	543-4705
Director	August Ahlf	
Past Pres	Bob Morrissey	521-4711

#### January Meetings

January Program Chair: Michael Albright

**January 6th,** Speaker: Capt Peter Gumataotao, USN.

Title: "The U.S. Navy – Meeting the 21st Century Head-On!"

**January 13th,** No Meeting Martin Luther King Holiday

**January 20th,** Speaker: Jack P Suyderhoud, Professor of Business Economics, University of Hawaii.

Topic: "The Gas Cap – The Truth and the Consequences"

**January 29th,** Tentative Speaker: Frank Hays, Pacific Director of the National Parks Service.

Topic: "The Manzanar Japanese Internment Camp Memorial in California"

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](mailto:sgillie@hei.com).

#### Meeting Notes for November 4th, 2005:

Another one of Mel Lepine's life stories: A not so blissfully married couple were driving in the country when they passed a pig farm. The husband looked at the farm and commented to his wife, "Any relatives of yours?" His wife flatly replied, "Yes, my in-laws!"

Speaker: Tom Ocsek, Wildlife Photographer

Subject: "The Importance of the Arctic, Polar Bears as a Benchmark" Mr. Ocsek worked in various executive position in several different Hawaii companies. When he was 45, he felt he was running his life too fast and he wanted to redirect his life, so he redirected his life toward nature photography. He contacted various nationally and internationally known world wildlife photographers and asked if he could accompany them. He was able to convince them that he didn't intend to compete with them on a professional level and they agreed. He has been able to accompany them on their trips around the world and into arctic regions to photograph Polar Bears. He explained that the polar bear is the largest carnivore in the world living in the bleakest climate. The polar bear is at the top of a very short food chain of krill, fish,

seal, bear. If you want to trace pollution, you can go... Pittsburgh, krill, fish, seal, bear. Mr. Ocsek argues that if the polar bear cannot survive in the long term, then people's chances are not good. He and a group of other photographers and scientists formed Polar Bears International, which is an educational forum for the five nations with polar bear and people, with the goal of protecting the polar bear habitat. You can listen to Mr. Ocsek's adventures photographing polar bears at the EAH WEB site.

#### Meeting Notes for November 18th, 2005:

Speaker: Des McGinnes, Business Development Manager for Ocean Power Delivery

Subject: "The Pelamis Wave Energy Converter." It was almost standing room only as Mr. McGinnes talked about the first order for their Pelamis Wave Energy Converters for a Portuguese project. Mr. McGinnes provided detailed information on the current status of the project. He explained how they envision that there will be energy farms anchored near shore to generate energy in the future. <http://www.oceanpd.com/>

Sound recordings of meetings are posted to EAH's WEB site.



#### 2005-2006 YMF OFFICERS

		Phone
President	Florence Ching	227-4704
	<a href="mailto:fching@ascehawaii.org">fching@ascehawaii.org</a>	
Vice-Pres	Scott Jennings	845-8440
	<a href="mailto:sjennings@rci-group.com">sjennings@rci-group.com</a>	
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, January 3, 6:00 p.m., at Brew Moon Restaurant and Microbrewery at Ward Centre, 593-0088 and Tuesday, February 7, 6:00 p.m., at Side Street Inn, 591-0253. 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 at 227-4704.

#### A & E MIXED SOFTBALL LEAGUE

If you are interested in SLOW PITCH SOFTBALL, the ASCE YMF 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. Games are usually held at Aiea, Kamamalu or Cartwright. Please contact Stuart Ujimori (#220-4913 or [ujimori@yahoo.com](mailto:ujimori@yahoo.com)) if you are interested in playing.

#### Storm Drain Stenciling

On November 19th ASCE YMF members came out and partnered with the City and County of Honolulu to conduct their annual storm drain stenciling community service project. Twenty two volunteers scoured the neighborhoods of Waikale with spray paint can in hand stenciling "Mai Kilo'i Opala Malama i Ke Kai" over the storm drains of Waikale. In addition, volunteers also helped pass out educational packets to home owners detailing the hazards of dumping waste down the storm drain. In all it was a productive half day event with a total of 85 catch basins being marked and over 200 packets being passed out. A big mahalo to Ms. Iwalani Sato of the City and County for helping organize this event and thanks for everyone for coming out to help.

#### ASCE Helps with Special Olympics Bowling Event

By Paulette Ujimori, ASCE Hawaii Section Past President

On December 4, 2005 approximately 16 volunteers from the ASCE Hawaii Section YMF woke up early in the morning to help with the 2005 Special Olympics Holiday Classic Bowling Event. The Event was held at the Marine Corps Base Hawaii K-Bay lanes. Volunteers assisted as bowling officials, helped with passing out awards to participants and cooked lunch for the workers that came out. The Special Olympics Holiday Classic is one of three events sponsored by Special Olympics Hawaii for children and adults with intellectual disabilities. The ASCE Hawaii Section YMF were a part of the 1,000 volunteers that helped in the event.





## KNOW YOUR ASCE HISTORY

by C.S. Papacostas

### DROUTHS AND FRESHETS

"Some stories have legs," I vaguely recall our college newspaper advisor admonishing us, the staff of "The Jambar," many a year ago.

Besides having legs, the whirling story of the Dam at Nu'uuanu reservoir No. 4 is sporting running shoes as well!

But first, a short explanation about the assignment of "No. 4". In my opinion, it properly refers to the reservoir rather than to the water-impounding dam. How else can we explain Reservoir No. 5 which the October 23, 1955 issue of the Honolulu Advertiser (HA) describes as a "2,700,000-gallon concrete tank," built 33 years earlier, "on the ewa side of Nuuanu Ave. near the noted poinsettia [sic] hedge?"

Yet, both in the popular press and in technical documents, the numeral is often associated with the dam itself. The title of a 1931 report to the Honolulu Board of Water Supply (BWS) by J. B. Lippincott, for example, refers to Dam No. 4, as do a 1941 study by C. K. Wentworth, a 1965 study by L. J. Watson, a 1982 report by the U. S. Corps of Engineers, the 1993 Hirata inspection report I quoted last month (December 2005), and many editions of the "Hawaii Data Book," among others.

The subject dam was to be a public project supplying domestic water, especially during cycles of drought (or drouth, as the then often-used alternate spelling goes), and, by turns, for flood protection from devastating freshets.

In time, the dam played other roles, including fire fighting, dust palliating, sanitation, electric power production, and recreational fishing. But, first things first.

Serving as the director of public relations for the BWS, newspaperman George F. Nellist published his history of "Honolulu's Modern Water System" in three installments that appeared in the HA respectively in 1948, 1952 and 1955. Although "the exact date ... is lost in the mist of unrecorded early history," he sets March 31, 1848 as the inauguration of "the first unit of a water system in Honolulu, installed, paid for, and operated by the government." On that day, Interior Minister John Young (a.k.a. Keoni Ana) reported to King Kamehameha III and the Hawaii Legislature that "during the past year, a Harbor Master and Pilot's office has been erected ... near the wharves. A water tank, for the convenience of shipping, is placed in the basement story of this building.

The water is supplied, through a leaden pipe from the Reservoir on the Northeast side of the town." Nellist then quotes a story in Thrum's Hawaiian Almanac and Annual for 1889, which I traced and verified. Under the title "First Water Pipe for Honolulu," Thrum says in part:

"During a visit of Mr. P. A. Brinsmade, of the firm of Ladd & Co., of this place, to Boston Mass., in 1838, through a representation by him that the King was desirous to bring water in from a considerable distance for the purpose of supplying vessels at Honolulu, Messrs. Proctor & Felt were induced to consign to Ladd & Co. fourteen reels of lead pipe... of inch and half-inch size... but during the celebrated arbitration... the matter was suspended but renewed again in the summer of 1847, resulting in its disposal in September of that year, for temporary use till iron piping could be obtained, and was laid to convey water from a taro patch back of the French Consul's (at that time) to the Harbor Master's office, at the foot of Nuuanu street."

As for an early description of the flooding problem, this is what the Pacific Commercial Advertiser (PCA) of February 24, 1859 had to say:

"The third freshet of the season in the Nuuanu stream occurred last Sunday night... The temporary bridge at the foot of Beretania Street known as Smith's bridge was again swept away, making the third time that communication has been interrupted at that point." By then, the Kingdom was taking charge of its public water works, to wit, Sec. 191 of the Civil Code provided that "the Minister of the Interior shall have a general charge of the pipes or conduits of water to supply the town and harbor of Honolulu." This included system maintenance and the setting and collecting of "water rates from ships and persons in Honolulu, or its vicinity..."

Interestingly, on November 17 of the same year, the PCA warned that "housekeepers and others having charge of water faucets, should avoid wasting water during the shipping season," as there was enough supply "for all, if care is taken to prevent waste..."

And the beat goes on.

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 [msp@wilki.eng.hawaii.edu](mailto:msp@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 7

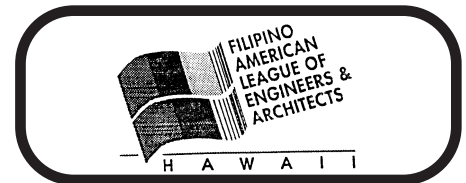
February 25, 2006 Banquet: Engineers' Week Banquet

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

October 19, 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

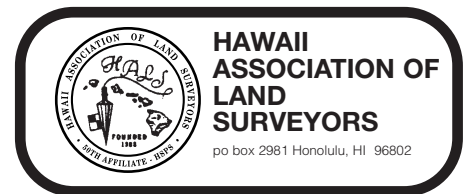


P.O. Box 4135, Honolulu, Hawaii 96812

Website: <http://www.falea.org>

### 2005-2006 OFFICERS AND DIRECTORS

President:	Vergel Del Rosario
Vice Pres./Pres. Elect:	Nap Agraan
Secretary:	Josie Felicitas
Treasurer:	Ramon Bonoan, Jr.
Asst. Treasurer:	Elvi Pineda
Auditor:	Eugene Calara
Business Manager:	Suzie Agraan
PRO:	Angie Legaspi



[http://www.eng.hawaii.edu/~hals/hals\\_001.htm](http://www.eng.hawaii.edu/~hals/hals_001.htm)

### 2005 HALS BOARD

President - Kevin Kea  
 Vice Pres. - Ross Tanaka  
 Secretary - Dan Hirota  
 Treasurer - Eric Hee  
 Director - Joanne Williamson  
 Director - Alva Nomura  
 NSPS Gov. - Pat Cummins  
 Membership: 192 regular, 21 sustaining, 2 honorary, 5 life, 41 governors

## Professional Directory

<b>SHIMABUKURO, ENDO &amp; YOSHIZAKI, INC.</b> <i>Civil, Environmental &amp; Structural Engineers</i>  1126 12th Avenue, #309 Honolulu, Hawaii 96816-3715 Phone: (808) 737-1875 Fax: (808) 734-5516 Email: <a href="mailto:seyeng@lava.net">seyeng@lava.net</a>	 <b>Marc M. Siah &amp; Associates, Inc.</b> Consulting Engineers 810 Richards Street, Suite 888, Honolulu, HI 96813, Ph: 538-7180 • CIVIL • STRUCTURAL • ENVIRONMENTAL • OCEAN	 <b>SSFM INTERNATIONAL</b> 501 Sumner Street, Suite 620 Honolulu, Hawaii 96817 Ph (808) 531-1308   Fax (808) 521-7348 Project Managers, Planners, & Engineers <a href="http://www.ssfm.com">www.ssfm.com</a>	 <b>WES THOMAS ASSOCIATES</b> Land Surveyors 75-5749 Kalawa St., Kailua-Kona, Hawaii 96740-1817 Tel: 808 329-2353 Fax: 808-329-5334 <i>Surveying Hawaii Since 1975</i>
 <b>WALTER P. THOMPSON, INC.</b> SURVEYING & MAPPING 720 IWIIE ROAD SUITE 425 P.O. Box 3351 HONOLULU, HI 96801 PHONE: (808) 536-2705 FAX: (808) 599-4032	 <b>R. M. TOWILL CORPORATION</b> SINCE 1930 PLANNING • ENGINEERING • ENVIRONMENTAL SERVICES PHOTOGRAMMETRY • SURVEYING • CONSTRUCTION MANAGEMENT 420 WAIKAPU ROAD HONOLULU HAWAII 96817-4941 808 942 1133	 <b>URS</b> 615 Piikoi Street, 9th Floor Honolulu, Hawaii 96814-3141 Ph: (808) 593-1116 Fax: (808) 593-1196 Engineers Scientists Program and Construction Managers Environmental Planners	<b>Tim Waite, P.E.</b> <i>Sales, Engineer</i> Mobile: 808-479-1216 Email: <a href="mailto:twait@strongtie.com">twait@strongtie.com</a> <b>Simpson Strong-Tie Co., Inc.</b> 
<b>WALKER INDUSTRIES, LTD.</b> Precast Concrete Products  <b>CONSPAN</b> BRIDGE SYSTEMS <b>AARON UNO</b> P.O. Box 1568 Kahului, Maui, Hawaii 96732 Maui (808) 877-3430 Fax (808) 871-7282	<b>Weston Solutions, Inc.</b> Suite 2301 841 Bishop Street Honolulu, Hawaii 96813 Phone: 808.585.0448 Fax: 808.585.7378 <a href="http://www.westonsolutions.com">www.westonsolutions.com</a>  An employee-ownership Company	 <b>WILSON OKAMOTO CORPORATION</b> Civil Engineers Structural Engineers Traffic Engineers Planners Ph 808 546 2277 1907 S. Beretania St. Suite 400 Honolulu, Hawaii 96826 FX 808 546 2253 <a href="http://wilsonokamoto.com">wilsonokamoto.com</a>	<b>YOUR AD            COULD APPEAR            HERE FOR            \$225 A YEAR</b>

# Professional Directory

 <p><b>ACE Land Surveying LLC</b> 735 Bishop St., Suite 330, Honolulu, Hawaii 96813 Ph: (808) 521-3998, Fax: (808) 521-3938 Email: acelandsurvey@hawaii.net</p>	 <p><b>Earth &amp; Environmental, Inc.</b> Tel: 808.545.2462 Fax: 808.528.5379 www.amec.com</p> <p><i>Full service environmental consulting, engineering, and compliance support. Formerly Ogden Environmental</i></p>	 <p><b>AUSTIN, TSUTSUMI &amp; ASSOCIATES, INC.</b> Civil Engineers • Surveyors 501 Sumner Street, Suite 521 Honolulu, HI 96817 Tel: 533-3646, Fax: 535-1287, Email: atahnl@atahawaii.com Branch Office: Wailuku, Maui CIVIL • TRAFFIC • SANITARY</p>	 <p><b>BeltCollins</b> www.beltcollins.com</p>
<p><b>BROWN AND CALDWELL</b> Environmental Engineering And Consulting • Analytical Services 119 Merchant St., Suite 200 • Honolulu, HI 96813 (808) 523-8499 Fax (808) 533-0226 2145 Wells St., Suite 302 • Wailuku, HI 96793 (808) 244-7005 Fax (808) 244-9026</p>	<p><b>S.S. DANNAWAY ASSOCIATES, INC.</b>  Fire Protection Engineers Building Code Consultants 720 Iwilei Road, Suite 412, Honolulu, HI 96817 Tel: (808) 526-9019/Fax: (808) 537-5385 ssda@hawaii.net</p>	<p><b>Akira Usami, P.E.</b> Territory Sales Manager, Kapolei facility 91-300 Hanua Street Phone: (808) 682-5747 Fax: (808) 682-2928 www.dietrichmetalfaming.com www.dietrichsteeljoist.com</p> 	 <p><b>EarthTech</b> A Tyco International Ltd. Company  841 Bishop Street, Suite 500 Honolulu, HI 96813 Tel: 523-8874 • Fax: 523-8950</p>
<p><b>Y. Ebisu &amp; Associates</b> Acoustical and Electronic Engineers  1126 12th Avenue, Room 305 Honolulu, Hawaii 96816 (808) 735-1634</p>	 <p><b>Engineering Concepts, Inc.</b> 1150 S. King St., Suite 700 Honolulu, HI 96814  Phone: 808-591-8820; Fax: 808-591-9010 Email: eci@ecihawaii.com</p>	 <p><b>ESH</b> ENGINEERS-SURVEYORS HAWAII, INC. (FORMERLY WILLIAM HEE &amp; ASSOCIATES, INC.) 900 HALEKAUWILA STREET HONOLULU, HAWAII 96814 Phone: 591-8116</p>	 <p><b>Esaki Surveying and Mapping, Inc.</b> Lihue, Kauai, Hawaii Ph. (808) 246-0625 • Fax (808) 246-0229 esmap@hawaiian.net  ENGINEERS • SURVEYORS Established 1979</p>
 <p><b>Fewell Geotechnical Engineering, Ltd.</b> OAHU: 96-1416 Waihona Place • Pearl City, Hawaii 96782-1973 (808) 455-6569 • FAX (808) 456-7062 MAUI: (808) 873-0110 FAX (808) 873-0906</p>	<p><b>MASA FUJIOKA &amp; ASSOC.</b> A PROFESSIONAL PARTNERSHIP  ENVIRONMENTAL • GEOTECHNICAL • HYDROGEOLOGICAL CONSULTANTS  MFA 98-021 Kamehameha Highway, Suite 337 Aiea, Hawaii 96701-4914 Phone 808 484-5366 • Fax 808 484-0007</p>	<p><b>FUKUNAGA &amp; ASSOCIATES, INC.</b>  1388 Kapiolani Blvd. Honolulu, HI 96814 Phone: 944-1821 Email: office@fainc.org Website: www.fainc.org</p> 	 <p><b>GEOLABS, INC.</b> Geotechnical Engineering and Drilling Services  2006 Kalihi Street Honolulu, Hawaii 96819 Phone: 841-5064 Fax: 847-1749</p>
 <p><b>GRAY • HONG • NOJIMA &amp; ASSOCIATES, INC.</b>  841 Bishop Street, Suite 1100 Honolulu, Hawaii 96813 Tel: (808) 521-0306 Fax: (808) 531-8018</p>	 <p><b>Hawaii Pacific Engineers, Inc.</b> 1132 Bishop Street • Suite 1003 Honolulu, Hawaii 96813-2830 Phone: (808) 524-3771 • Fax: (808) 538-0445 E-mail: hpeinc@hawaiipacificengineers.com</p>	<p><b>is the state of hawaii</b>  www.ehawaii.gov/statejobs</p>	<p><b>total POWER SOLUTION</b>  HAWTHORNE CAT 94-025 Farrington Hwy. Waipahu, Hawaii 96797 808/676-0205 Hawthorne Power Systems</p>
<p><b>HIDA, OKAMOTO &amp; ASSOCIATES, INC.</b> CONSULTING CIVIL ENGINEERS  PACIFIC GUARDIAN TOWER 1440 Kapiolani Boulevard, Suite 1120 Honolulu, Hawaii 96814 Phone: (808) 942-0066 Fax: (808) 947-7546</p> 	 <p><b>ERNEST K. HIRATA &amp; ASSOCIATES, INC.</b> Soils and Foundation Engineering 99-1433 Koaha Place • Aiea, Hawaii 96701 Fax (808) 486-0870 • Phone (808) 486-0787</p>	 <p><b>SAM O. HIROTA, INC.</b> Engineers &amp; Surveyors  864 S. Beretania Street Honolulu, Hawaii 96813 Telephone: 537-9971</p>	 <p><b>INABA ENGINEERING, INC.</b> 273 WAIANUENUE AVENUE HILO, HAWAII 96720  Phone: (808) 961-3727 / Fax: (808) 935-8033 Civil Engineering • Structural Engineering Land Surveying</p>
 <p><b>KFC AIRPORT, INC.</b> PROJECT MANAGEMENT CONSULTANTS PLANNING • ARCHITECTURAL/ENGINEERING DESIGN • CONSTRUCTION MANAGEMENT  3375 Koapoko Street, Suite F220-48 Honolulu, HI 96819 Phone: (808) 836-7787 Fax: (808) 834-4833</p>	 <p><b>KN CONSULTING SERVICES, INC.</b> Civil Engineers 1451 South King Street, Suite 412 Honolulu, Hawaii 96814 Phone: (808) 941-8882 Fax: (808) 941-8828 Email: knconsb@pixi.com</p>	 <p><b>THE LIMTIACO CONSULTING GROUP</b> CIVIL ENGINEERING AND ENVIRONMENTAL CONSULTANTS  690 Leleia Road, Suite 208 • Honolulu, Hawaii 96817 Tel: (808) 596-7790 • Fax: (808) 596-7361 • www.tcg-hawaii.com</p>	 <p><b>LYON ASSOCIATES</b> CIVIL ENGINEERING / CONSTRUCTION MANAGEMENT  841 Bishop Street, Suite 2006 Honolulu, Hawaii 96813 Tel: (808) 536-6621 Fax: (808) 523-1738 E-mail: adminshi@lyonassociates.com</p>
 <p><b>M&amp;E Pacific, Inc.</b> Surveying Civil Engineering &amp; Design Environmental Engineering Water Treatment &amp; Supply Construction Management Wastewater Collection &amp; Treatment  841 Bishop Street, Suite 1900 Honolulu, Hawaii 96813</p>	 <p><b>MPC and Company</b> Engineering, Architectural and Construction Management Recruiting Lee F. Raade, Technical Consultant (808) 220-1682 Email: lee@mpcandcompany.com Website: www.mpcandcompany.com</p>	<p><b>NAGAMINE OKAWA ENGINEERS INC.</b> CONSULTING STRUCTURAL ENGINEERS  1001 Bishop Street • Pauahi Tower, Suite 725 Honolulu, Hawaii 96813 Phone: (808) 536-2626 • FAX: (808) 536-3926</p>	<p><b>NAKAMURA, OYAMA AND ASSOCIATES, INC.</b> CONSULTING ENGINEERS ELECTRICAL/TELECOMMUNICATIONS/FIRE PROTECTION 1314 South King St., Suite 401 Honolulu, Hawaii 96814-1939 Telephone (808) 591-8887 Fax (808) 596-2383</p>
 <p><b>NEWCOMER - LEE LAND SURVEYORS, INC.</b> 1498 Lower Main Street, Suite "D" Wailuku, HI 96793-1937 Tel: (808) 244-8889 Fax: (808) 244-8422</p>	 <p><b>oceanit</b> www.oceanit.com</p>	 <p><b>Okahara &amp; Associates, Inc.</b> Engineering Consultants  200 Kohala St., Hilo, HI 96720 / Ph. (808) 961-5527 Fax (808) 961-5529 677 Ala Moana Blvd., Suite 703, Honolulu, HI 96813 Ph. (808) 524-1224 Fax (808) 521-3151 73-5574 Malua St., Bay 6B, Kailua-Kona, HI 96740 Ph. (808) 329-1221 Fax (808) 329-1006</p>	 <p><b>Pacific Geotechnical Engineers, Inc.</b> Soils &amp; Foundation Engineering Consultants 429-B Waikamilo Road Honolulu, Hawaii 96817 (808) 841-8024 FAX (808) 848-5102 E-mail: pge@pacificgeotechnical.com</p>
 <p><b>ParEn, Inc.</b> SUITE 1500, PACIFIC PARK PLAZA 711 KAPIOLANI BOULEVARD HONOLULU, HAWAII 96813 TELEPHONE: (808) 593-1676 FAX: (808) 593-1607 EMAIL: paren@pareninc.com  dba <b>park engineering</b> Engineers, Surveyors, Planners</p>	 <p><b>Sato &amp; Associates, Inc.</b>  HONOLULU 2046 South King Street Honolulu, HI 96826 Tel: (808) 955-4441 Fax: (808) 942-2027  MAUI 2115 Wells Street Wailuku, HI 96793 Tel: (808) 244-9265 Fax: (808) 244-5303  CONSULTING ENGINEERS • CIVIL &amp; STRUCTURAL</p>	 <p>• Environmental &amp; Infrastructure • Design &amp; Engineering Services • Construction &amp; Maintenance • Homeland Security  590 Paiea Street, Suite B, Honolulu, HI 96819-1835 Tel: (808) 840-2000 • FAX: (808) 839-0339</p>	<p><b>YOUR AD COULD APPEAR HERE FOR \$225 A YEAR</b></p>

HAWAII COUNCIL OF  
ENGINEERING SOCIETIES  
P.O. Box 2873  
Honolulu, Hawaii 96802

Presorted  
Standard  
U.S. Postage Paid  
Honolulu, Hawaii  
Permit No. 1400