VOL. 50 NO. 10

SERVING 2000 ENGINEERS & LAND SURVEYORS

DECEMBER, 2014

KNOW YOUR ASCE HISTORY

by C.S. Papacostas

Skating Rink Armory

This is a continuation of my previous article tracing some major government-supported armories in Honolulu, leading to one that had to be razed to build the current State Capitol which opened in 1969.

Since 1859, the Honolulu Rifles, a volunteer militia company, had been using, free of charge, the second story of a government-owned Market House on the wharf-side of Queen Street between Ka`ahumanu and Nu`uanu Streets. The wharf was called Brewer's Wharf and the building was also known as the C. Brewer Co. building owing to the fact that that company had signed a long-term lease for use of the ground floor.

On Aug. 10, 1886, the Hawaiian Gazette (HG) announced "the Honolulu Rifles have decided to lease the Central Park Skating Rink for an Armory" and on Aug. 19, the Daily Bulletin (DB) said, "the Honolulu Rifles... assembled at the old armory last evening... Having shouldered arms and formed the line of march, Mr. W. King drummed the Rifles to their new armory formerly the Central Park Skating rink, where they were introduced to their new captain, Mr. V. V. Ashford."

Located on the makai side of Beretania beyond its intersection with Punchbowl Street, the Central Park Skating Rink and Roller Coaster was dubbed a little more than a year earlier as "the leading pleasure resort of our city [DB 3/30/1885]." It operated in competition with the Yosemite Skating Rink on Queen Street and boasted about offering special skates designed to avoid oil stains on the wearers' clothes [DB 3/31/1885].

Apparently, skating had become a popular sport at the time, despite the fact that The Friend of April 1885 contained the opinion of six medical practitioners from Boston who characterized skating rinks as the source of many physical and social ills. Among them were an atmosphere "poisoned with scores of breaths," irritation of the mucous membrane by fine particles of dust, "spinal affection" along with "protracted invalidism, and some times spinal meningitis," and stiffened and swelled ankles, a condition known as "skating rink ankle." In addition to broken arms and limbs, the article cited the danger of "elopement of young girls, often with married men, who leave wives and children behind..., a natural result of the promiscuous gathering at the rink.' Perhaps it was this last reason that motivated the Central Park Rink in Honolulu to declare "the hoodlum element strictly excluded!"

By February 1886 the press averred that "the country [was] without a doubt amply supplied

with facilities for indulging in the dubious pleasure of skating. On the completion of Kapahau rink, the Hawaiian Islands can boast of seven such places [DB 2/11/1886]," three of which were on the Big Island. Nevertheless, the Central Park facility ended up succumbing to its competition and closing its doors, despite changes in management and attempts to increase patronage with attractions such as skate and bicycle races. A supposition by the same newspaper that "the Central Park rink will probably be rented by the Government for the Honolulu militia [DB 3/11/1886]" proved to be accurate.

The Kingdom's armed forces, consisting of regular paid troops and several volunteer militia groups went through several reorganizations over the previous decades, the detailed reporting of them being beyond our scope here.

In 1874, the Legislature decided to abolish the Rifles and they were disbanded by order of the Governor of O'ahu [Pacific Commercial Advertiser, PCA, 2/21/1874], donating \$453.81 that remained in their treasury to the Queen's Hospital [PCA 5/16/1874]. Ten years later, a new volunteer military group petitioned the Government to organize, and the King suggested they adopt the name "Honolulu Rifles [DB 3/6/1884]." Approved by the Cabinet, the new entity began where the old one had left off.

In 1887, the Rifles took an active role in the imposition of the "Bayonet Constitution" that established a constitutional monarchy and Thrum's All About Hawaii listed the following Volunteer Military Companies: Prince's Own,

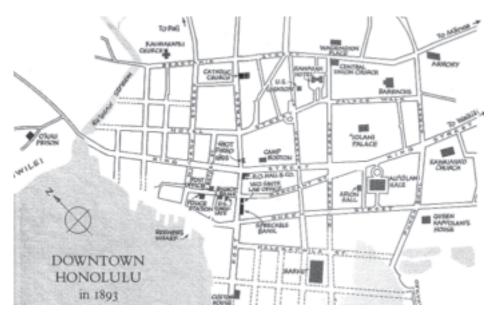
Leleiohoku Guard, Mamalahoa, King's Own, Honolulu Rifles and Queen's Own.

Within the Honolulu Rifles there was in 1887 "a proposition of forming a Portuguese company [and] some dozen or more young men of a superior class put down their names as the nucleus of the new Portuguese militia company [DB 4/4/1887]." Two weeks later, "no less than thirty-two Portuguese mustered for drill at the Honolulu Rifles' armory [DB 4/17/1887]." A year later, the Daily Bulletin [6/22/1888] described the Rifles' Armory as "a hall which, in addition to being a drill shed, fulfills the purpose which no other hall in the town is capable of doing to the same extent." Capable of holding large events such as formal balls and mass meetings, "the Rifles' Armory has come to be regarded as a public hall for public purposes, as much as an armory and drill room for the volunteers.'

In April of 1890, company B of the Rifles' Battalion rented a hall in the McInerny building located at the mauka-ewa corner of Fort and Merchant Streets "to be occupied as the company's armory [DB 4/3/1890]," a move that elicited the following editorial comment in the following day's DB: "Why should Company B, Honolulu Rifles be permitted to leave the Battalion Armory and, with consent of the Ministry and the support of some merchants, establish itself a would be Praetorian guard by private means with private headquarters?"

Nevertheless, Company B "had their first drill in their new armory on Fort street [HG 4/29/1890]" and, soon after, "ornamental locks

continued on page 7





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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.



Chair:

SWF

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HAWAII COUNCIL of ENGINEERING SOCIETIES

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Engineers Without Borders - Honolulu http://www.ewbaloha.org

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S.K. Choi

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Hawaii Section 2014-2015 Officers

www.ite-hawaii.org

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Vice Pres.: Natasha Soriano

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Secretary: Sara Okuda

sara.t.okuda@hawaii.gov
Treasurer: Robert Nehmad

rnehmad@mmm.com

ITE Hawaii Section Meeting

On Wednesday, November 5, 2014, the Section meeting was held at the Fasi Municipal Building. Director Mike Packard opened the meeting announcing that we do not have a section meeting scheduled for next month, but be on the look out for a happy hour for the month of December.

Vice President Natasha introduced speaker Mark Garrity, Deputy Director of the City & County of Honolulu's Department of Transportation Services, an AICP certified Urban Planner with over 20 years of experi-

Mark spoke about the King Street Cycle Track, which began construction on September 8, 2014, and should be completed in about 4 weeks to officially open on December 6, 2014. He explained that cycle track is a pilot project with the design done in-house and constructed by the City's Department of Facility Maintenance with low cost materials. Mark went through a PowerPoint presentation and spoke about different aspects of the project. The green paint is a new FHWA standard for bike facilities, but there are various ways that it can be used. For King Street, the cycle track is being painted green through the intersections and in front of driveways to indicate a conflict between bicyclists and motorist. For the first 6 months the track will be for one way traffic. going with the flow of vehicular traffic. After the 6 six months the 10' bike track will be divided for two way traffic, allowing bicyclist the convenience of being able to go back and forth on King Street, hopefully encouraging more bike use. Before data was taken, a travel time study allowed parking on King Street and found that it did not affect peak traffic flow, and therefore shifting King Street to 5 lanes from 6 should not heavily impact traffic. Bike counts were taken of bicyclists riding on the street, sidewalk, and parallel streets; and community outreach was conducted including community meetings with the Moiliili-McCully Neighborhood board and passing out flyers to every business along King Street. The project consisted of working with the stakeholders such as the City Council, Fire, Police, and the Hawaii Bicycling League, and public education was done through flyers as well as a project webpage and facebook page. The rules of the Track are no mopeds, skateboards, or segways, which means there needs to be a change in the law that currently says mopeds are supposed to be riding in the bike lane: drivers shall yield to bicyclists, and bicyclists shall yield to pedestrians.

Mark took the opportunity to share information about other bike developments. He had a

slide about "sharrows," pavement markings to indicate shared lanes for both vehicles and bikes. It was also mentioned that the other bike plans are still in effect, and when Beretania Street gets resurfaced soon, it will get a traditional bike lane.

Mark opened the floor to questions, and City Bicycle Coordinator Chris Sayers shared more information about the project as questions were asked. There was a good discussion amongst attendees, including how we educate everyone on the proper use, how do we encourage bicyclist to ride safely on this and other streets, and how will we know if the project has been a success or not.



http://www.hawaiispe.org/

HSPE Officers, 2014 to 2015

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dokimoto@wsue.com

Curtis Beck President-elect
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Kurt Kunimune Secretary
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Joelle Dubois Past President/Treasurer

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barry.nakamoto@heco.com

Marc Botticelli Kona-Kohala President marc@wrsasolutions.com

Mandy Saito Maui Chapter Director

mandy@femaui.com

Nominations are still being sought for Engineer of the Year and Young Engineer of the Year candidates. Nomination forms are available on the HCES and HSPE websites. The awardees will be presented at the 2015 Engineer's Week Banquet in February, 2015. Please contact Majella Stevenson of HSPE at MujTravel@aol.com or Joelle Dubois at Joubois@bowersandkubota.com if there are any questions, or for nomination forms. Nominations will be due towards the end of December of 2014. Mahalo!

IMPORTANT INFORMATION ABOUT NOMINATIONS FOR THE ENGINEER OF THE YEAR, YOUNG ENGINEER OF THE YEAR, AND HCES LIFETIME ACHIEVE-MENT AWARDS.

HCES is currently seeking nominations for the prestigious 2015 HCES Lifetime Achievement Award. This is a highly prestigious award which aims to recognize those seasoned individuals who have achieved significant accomplishments and contributed greatly to the engineering profession and local engineering industry.

Nominee eligibility requirements, as well as nomination and submission instructions are available on the HCES website, http://www/hces.us. Nomination packages are due Friday, December 19, 2014. The awardee will be featured in the February 2015 edition of the Wiliki O Hawaii and be presented a plaque at the 2015 HCES Engineers Week Banquet, on Saturday, February 28, 2015.



Website: hawaii.apwa.net

Hawaii Chapter 2014 Officers

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Secretary	Mark Yonamine	768-8481
	myonamine@honolulu.gov	
Past Pres	Jeoffrey Cudiamat	488-5000
	engineer@structuralhawaii.co	m

2015 APWA AWARDS CALL FOR NOMINATIONS

APWA Hawaii Chapter would like to recognize public works projects and leaders in the state of Hawaii as outstanding examples of service to public works and is therefore seeking nominations for two awards: the Public Works Project of the Year and Top 10 Public Works Leaders of the Year. Selected projects or persons will be recognized at a luncheon in early 2015, and may be nominated by Hawaii Chapter for APWA National recognition.

Through the APWA Awards Program, the Hawaii Chapter works to re-energize support for the public works industry. Public works projects and professionals are critical to developing and maintaining infrastructure and service essential to the welfare and quality of life for the public, yet these projects and professionals often go unrecognized or unheralded.

Public Works Project of the Year

The Public Works Project of the Year award promotes excellence in the design, management, and administration of public works projects through recognition. Awards are given to projects in various categories (structures, transportation, environment, historic restoration/preservation, and disaster or emergency construction/repair) with significant contributions to public welfare or quality of life. To be eligible, the project must be substantially complete. Criteria used in the selection project include consideration for project schedule, safety performance, community relations, environmental protection, sustainability, or innovation.

Top 10 Public Works Leaders of the Year

Successful public works projects require capable leaders. The Top 10 Public Works Leaders of the Year award inspires excellence and dedication to public service through recognition to those with significant contributions to the administration or management of design, construction, maintenance, or operation of local public works projects. Awards focus on career service rather than on any one single project or event. Both public and private sector individuals are eligible, but must have ten years of qualifying experience.

Nomination criteria, forms, and instructions can be found at: www.apwa.net/awards/CriteriaAndNominationForms. Submissions must meet the award criteria and include completed nomination and supporting data forms. Submissions are due to Ryan Char at rchar@group70int.com, by Friday, January 30, 2015. For more information on APWA National's 2015 Awards Program, please visit www.apwa.net/awards.



P.O. Box 88840 Honolulu, HI 96830 Website: www.acechawaii.org

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LETTER FROM THE ACECH PRESIDENT

Written by William H.Q. Bow, P.E.

On behalf of the American Council of Engineering Companies of Hawaii (ACECH) Board, I would like to extend to all the engineering societies a Merry Christmas and a Happy and Prosperous New Year! We hope that 2014 was a good year for all and that 2015 will be even better.

On October 22-25, approximately 50 ACECH members participated in the ACEC Fall Conference held at the Hilton Waikoloa Village. We also continued our celebration of our 50th Anniversary with our local contingent at the Sansei Restaurant.

There were many first-timers from Hawaii that attended the Conference, and the feedback I received has been very positive. In particular, most people thought the Business Practice sessions were very informative, to name a few:

- Recruit, Retain & Reward The Next Generation of Engineers
- Think Outside the Box Growing Your Firm
- Preparing Your Firm for Sale
- Dare to be Different Developing an Effective Differential Strategy

If you missed the conference, there's the Fall Annual Convention scheduled for April 19 - 22, 2015 in Washington, D.C. Come to Capitol Hill with our ACECH delegates.

50TH ANNIVERSARY TRIVIA QUESTION OF THE MONTH

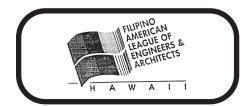
To help celebrate our 50th anniversary in 2014, an ACEC Hawaii trivia question will appear in each of this year's issues of the Wiliki. The answers to the questions and background information will appear in the subsequent issues.

This month's question: In 1999, ACECH (then known as CECH) celebrated its 35th Anniversary by electing the first female to the office of President. Name this female engineer.

Answer to the previous question: Who was ACECH President during the organization's 5th year anniversary? Answer - Roy Shimabukuro.

On 26 September 2014, the ACECH Past President passed away in the Hi'olani Care Center at Kahala Nui. Roy received his B.S. degree in Civil Engineering from the University of Hawaii in 1952 and his M.S. degree in

Structural Engineering from the University of Illinois, Champaign-Urbana, in 1955. In 1959 with Don Shimazu providing the leadership, Roy helped to found the company that is now known as SSFM International. He served as its President from 1986 to his retirement in 1997. Born in Makawao, Maui, he is survived by son Scott K.; daughters Sandra J. Shimabukuro-Buysse and Jill C. Palmer; brothers Stanley and Donald; sisters Helene Miyashiro, Jane Nakama and June Ono; and seven grandchildren.



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

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NOVEMBER & YEAR-END HIGHLIGHTS:

The first FALEA Board Meeting of the FY 2014/16 under newly-installed President Frank Cruzata was held on November 7th at the Offices of Structural Hawaii in Pearl City. TREASURER'S REPORT – Discussed current activities, balances, and transition of responsibilities & signature cards. OLD BUSINESS – Some discussion on outstanding issues and collectibles as a reminder to the Board Members were held. Reimbursables also are encouraged to be submitted to the Treasurer as soon as these are incurred. Additionally, comments were solicited from those in attendance, about our recent function at the Pacific Beach Hotel. Most had a positive response.

NEW BUSINESS – The president discussed "strategic planning" and went over Committee Assignments, reconfirming prior assignments and adding or soliciting for other "volunteers." A Calendar of Events was also established including the monthly Board Meetings every 1st Friday of the Month, and our Annual Fundamentals of Engineering Review Classes on Saturday afternoons during the 1st Quarter of 2015

DECEMBER 2014 ACTIVITIES - To finalize this year's activities, we'll have Christmas Caroling as in the past, with "rehearsal" at Frank's house at 6pm on November 28th. He assigned individuals at different areas in the island to make contact with prospective "clients" living at those locations, and coordinate our itinerary for designated days in December. Our Christmas Luncheon will be held on December 21 at the NavPac Park. More details on this at a later date. MISCELLA-**NEOUS** - The president announced an Engineering Job opening at PacDiv. He also mentioned a possible Community Service activity for our organization which he wants to discuss further at a future Board Meeting if there is enough interest generated.

HAPPY HOLIDAY SEASON TO ALL!!



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

2014 BOD OFFICERS AND DIRECTORS

Position	Officer	Phone
President	Ethan Okuna	945-0198 x103
Vice Pres.	Fernando Frontera	781-2802
Secretary	Evan Mizue	387-2346
Treasurer	Jimmy Lam	223-3638
Dir. (Yr 2)	Paul Kane III	537-2811
Dir. (Yr 2)	Tim Waite	479-1216
Dir. (Yr 1)	Rodney Haraga	782-8661
Dir. (Yr 1)	Michael Kasamoto	589-1170
Past Pres.	Brian Kung	488-7579

HIGHLIGHTS OF BOD MEETING

November 5, 2014

Committee Reports

General Membership Meetings/Technical Seminars/Events

- December 11: Seismic Steel Braced Frame Seminar on design concepts and connections, developed by AISC with speaker Rafael Sabelli.
- January 17: SEAOH Installation Banquet preliminarily set for January 17. Please stay tuned for more information.

Congratulations to your 2015 SEAOH Board Members:

- President: Fernando Frontera, PE, Baldridge & Associates
- Vice President: Jeffrey Hanyu, PE, Allison-Ide
- Secretary: Joshua Tyau, PE, Nagamine Okawa
- Treasurer: Jinghai Yang, PE, Kai Hawaii
- Past President: Ethan Okuna, PE, Consulting Structural Hawaii
- Incoming Director: Dennis Sakamoto, Tileco
- Incoming Director: Gaur Johnson, PE, UH Assistant Professor
- Returning Director: Paul Kane III, Aloha Marketing
- Returning Director: Tim Waite, Simpson Strong-Tie

Check Out the New SEAOH Website

Please go to SEAOH.org to check our revamped website - it's loaded with lots of fantastic information. If you have any website suggestions, please contact Fernando Frontera.

SEAOH Golf Tournament

Thank you to Rod Haraga, Tim Goshi, Ethan Okuna, Fernando Frontera, Paul Kane, James Aoki, and the SEAOH Younger Member Group for helping to put on a fantastic Golf tournament!

New Member

Michael Greer, of Wiss Janney Elstner, has been accepted as an Allied Member.

Missing Members

Please contact Membership Chairperson, Jiabao Chen (Ph: 791-3945 or email jchen@kaihawaii.com), or any of the SEAOH Officers if you have a new mailing and/or email

Next Meeting

The next SEAOH Board of Directors and Officers meeting will be the 2014-2015 Board turnover meeting. For location and date, contact SEAOH President Ethan Okuna (945-0198 x103, eokuna@cshengineers.com).



www.asme-hi.com

ASME-HI 2014-2015 Officers

Chairperson	Derek Sato	543-4108	
	Derek.sato@hawaiianelectric.com		
Vice-Chair	Derick Kam	848-6966	
	kam@thermaleng.com		
Secretary	Kory Ikeda	628-1231	
	kory.isamu@gmail.com		
Treasurer	Kevin Dang	737-1708	
	dangk001@hawaii.rr.com		
Past-Chair	Kory Ikeda	628-1231	
HCES Rep:	Derick Kam		
∆lternate:	Derek Sato		

NEXT ASME-HAWAII SECTION GENERAL MEMBERSHIP MEETING

To be determined Date: Time: 5:30 pm to 7:00 pm Place: **HECO Ward Ave**

Cafeteria Conference Room

Agenda: To be determined

All members are invited and encouraged to attend our meetings. There are always lots of free pizza and soft drinks. Please contact Chairman Derek Sato or Ed Chang for directions and for more information, such as parking within Hawaiian Electric's Ward Avenue facili-

HILITES OF OCTOBER 21, 2014 EXECU-**TIVE COMMITTEE MEETING**

The meeting was held at the Mapunapuna 99 Ranch Market food court. Chairman Derek Sato called the meeting to order and the following were discussed:

- · Derick Kam reported on the HCES meeting he attended. 2015 Engineers Week Banquet speaker may be from the Gas Company. ASME is no longer responsible for the HCES website. A new website was created. ASCE is lobbying for continuing education requirements for PE renewal.
- · A recognition and award luncheon is planned for James F. Grogan on December 21, 2014 in appreciation of his long commitment to ASME Hawaii Section, serving for many years as an officer, and most important of all picking up the pizza for our meetings. Grogan was instrumental in ensuring that the Ginaca Machine became Hawaii's first and only ASME Historical Landmark. His guidance and wisdom are missed.
- · Decisions on Section Messenger Bags, and Speaker Appreciation Gifts were made. Ten



Ron Flegal (left) and Derek Sato at the Kailua HS Career Fair

bags will be procured for gifts. Twenty-five Padfolios will be procured for speaker gifts.

- ASME Student Section invites ASME members to their Fall 2014 Professional Networking Event on Saturday, December 6, 2014, from 11:00 am to 1:00 pm. The professional networking event will be at Buca Di Beppo, Ward Center. Cost is \$25 per person. Contact the Student Section uhmasme@gmail.com.
- Kailua High School Career Fair held on November 7, 2014. Derek Sato, Ronald Flegal, and Ed Chang represented ASME-HI.



Hawaii Section 2014-2015 OFFICERS

www.aacehawaii.org

President Kristy Kastner, PSP Vice President Greg Treese Secretary Maelyn Uyehara Treasurer Cristo Rojas Director of Certification Stephen Jacobson, CCP Director of Communications Joseph Uno, LEED AP BD+C Director of Membership/Webmaster **David Ladines**

AACE takes over 'Aiea Bowling Lanes! A dozen AACE Hawai'i members enjoyed knocking down pins over pupus and beers at last month's social event. Only estimated scores were recorded to protect the innocent and untalented. However, a few showed great promise, and one even showed up with her own shoes and ball!

Preparation classes for the "Planning & Scheduling Professional" and "Certified Cost Professional" accreditation exams have been scheduled for February 5, 6 & 7, 2015. The PSP course will be held on the 5th and the CCP course on the 6th & 7th. Please contact us at aacehawaiisection@gmail.com if you are interested, or call David Ladines @ 808-947-6855 for further details.

SCHOLARSHIPS AVAILABLE FROM AACE INTERNATIONAL! Please follow this link for more information, http://www.aacei.org/awards/ scholarships/.

For more information, please visit our website www.aacehawaii.org.



William (Bill) Lee, PE President Donna Kishi Dean Borges, PE Kevin Luoma, PE Mofazzal Mir, PE Barry Jim On, PE

President-Elect Vice President Secretary Treasurer Past President



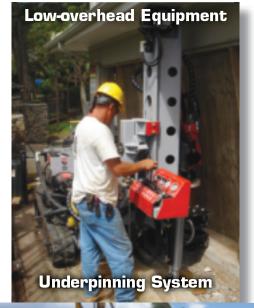
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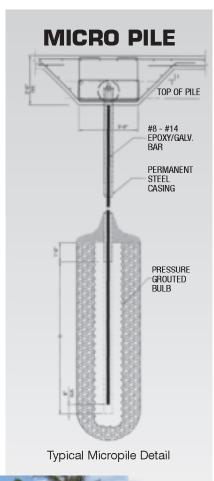
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DECEMBER DINNER MEETING

There will be no dinner meeting in December. Please have a Happy Holiday season.

EXECUTIVE COMMITTEE MEETING

Last held: November 4, 2014 Next meeting: December 2, 2014



Hawaii Section — Younger Member Forum Web site: http://www.ascehawaii.org/ymf.html

2014-2015 YMF Officers

Puna Kaneakua, President pkaneakua@ascehawaiiymf.org Amanda Tanaka, Vice President atanaka@ascehawaiiymf.org Norman Leong, Secretary nleong@ascehawaiiymf.org Jordan Urabe, Treasurer jurabe@ascehawaiiymf.org Jason Sugibayashi, Past President jsugibayashi@ascehawaii.ymf.org

YMF General Meeting

The next YMF general meeting is scheduled for Wednesday, December 3, 6:00 p.m. at

Home Bar. If you are interested in attending to find out what the YMF is all about, contact YMF at ymf.hawaii@gmail.com.

Hawaii YMF Wins 2014 Small Group Award

Congratulations to the Hawaii Section YMF for winning the national 2014 ASCE Small Group award. This year's annual ASCE conference was held in Panama City to celebrate the 100th anniversary of the canal. YMF President Puna Kaneakua attended the conference to accept the award on behalf of the Hawaii Section YMF. YMF will continue to be a great asset to young engineers and the community.

MEMBERSHIP

The end of the year is quickly approaching and ASCE 2015 dues are due December 31, 2014. If you haven't already done so, please renew your ASCE membership at www.asce.org.

APPROVED ASCE HAWAII SECTION FY15 BUDGET

	FY14	FY15
INCOME CATEGORIES	ACTUAL INCOME	BUDGET AMOUNT
Section Dues	\$ 9,895	\$ 10,000
Society Allotment	\$ 4,952	\$ 5,600
Interest	\$ 0	\$ 0
Scholarship Acct Interest	\$ 4,970	\$ 3,000
Contributions to Section	\$ 765	\$ 750
Grants	\$ 500	\$ 0
Advertising Income	\$ 1,280	\$ 750
ASCE Conf in Hawaii	\$ 0	\$ 0
Miscellaneous	\$ 300	\$ 0
Meetings	\$ 14,913	\$ 17,000
OCEA	\$ 10,311	\$ 10,750
ASCE Golf Tournament	\$ 33,617	\$ 28,000
Walter Lum Fund	\$ 320	\$ 500
Taxes	\$ 0	\$ 0
Outreach	\$ 400	\$ 0
Total Income	\$ 82,224	\$ 76,350
	FY14	FY15
	ACTUAL	BUDGET
EXPENSE CATEGORIES	EXPENSE	AMOUNT
Grants	\$ 500	φ 0
Granis	\$ 500	\$ 0
ASCE Conf in Hawaii	\$ 0	\$ 0
	\$ 0 \$ 467	\$ 0 \$ 200
ASCE Conf in Hawaii	\$ 0 \$ 467 \$ 0	\$ 0 \$ 200 \$ 0
ASCE Conf in Hawaii Miscellaneous	\$ 0 \$ 467	\$ 0 \$ 200 \$ 0 \$ 100
ASCE Conf in Hawaii Miscellaneous Donations from Section	\$ 0 \$ 467 \$ 0	\$ 0 \$ 200 \$ 0 \$ 100 \$ 350
ASCE Conf in Hawaii Miscellaneous Donations from Section Stationery & Supplies	\$ 0 \$ 467 \$ 0 \$ 52	\$ 0 \$ 200 \$ 0 \$ 100 \$ 350 \$ 900
ASCE Conf in Hawaii Miscellaneous Donations from Section Stationery & Supplies Postage + PO Box Rental	\$ 0 \$ 467 \$ 0 \$ 52 \$ 303	\$ 0 \$ 200 \$ 0 \$ 100 \$ 350 \$ 900
ASCE Conf in Hawaii Miscellaneous Donations from Section Stationery & Supplies Postage + PO Box Rental Newsletter	\$ 0 \$ 467 \$ 0 \$ 52 \$ 303 \$ 2,100	\$ 0 \$ 200 \$ 0 \$ 100 \$ 350 \$ 900 \$ 15,500
ASCE Conf in Hawaii Miscellaneous Donations from Section Stationery & Supplies Postage + PO Box Rental Newsletter Meetings	\$ 0 \$ 467 \$ 0 \$ 52 \$ 303 \$ 2,100 \$ 14,816 \$ 10,747	\$ 0 \$ 200 \$ 0 \$ 100 \$ 350 \$ 900 \$ 15,500 \$ 10,750
ASCE Conf in Hawaii Miscellaneous Donations from Section Stationery & Supplies Postage + PO Box Rental Newsletter Meetings OCEA	\$ 0 \$ 467 \$ 0 \$ 52 \$ 303 \$ 2,100 \$ 14,816 \$ 10,747 \$ 1,522	\$ 0 \$ 200 \$ 0 \$ 100 \$ 350 \$ 900 \$ 15,500 \$ 750 \$ 750 \$ 3,000
ASCE Conf in Hawaii Miscellaneous Donations from Section Stationery & Supplies Postage + PO Box Rental Newsletter Meetings OCEA Website	\$ 0 \$ 467 \$ 0 \$ 52 \$ 303 \$ 2,100 \$ 14,816 \$ 10,747 \$ 1,522 \$ 3,000	\$ 0 \$ 200 \$ 0 \$ 100 \$ 350 \$ 900 \$ 15,500 \$ 750 \$ 750 \$ 3,000
ASCE Conf in Hawaii Miscellaneous Donations from Section Stationery & Supplies Postage + PO Box Rental Newsletter Meetings OCEA Website YMF Activities	\$ 0 \$ 467 \$ 0 \$ 52 \$ 303 \$ 2,100 \$ 14,816 \$ 10,747 \$ 1,522 \$ 3,000 \$ 2,500	\$ 0 \$ 200 \$ 0 \$ 100 \$ 350 \$ 900 \$ 15,500 \$ 10,750 \$ 7,500 \$ 3,000 \$ 1,500 \$ 5,160
ASCE Conf in Hawaii Miscellaneous Donations from Section Stationery & Supplies Postage + PO Box Rental Newsletter Meetings OCEA Website YMF Activities Student Chapter Official Travel	\$ 0 \$ 467 \$ 0 \$ 52 \$ 303 \$ 2,100 \$ 14,816 \$ 10,747 \$ 1,522 \$ 3,000 \$ 2,500 \$ 6,643	\$ 0 \$ 200 \$ 0 \$ 100 \$ 350 \$ 900 \$ 15,500 \$ 10,750 \$ 7,500 \$ 3,000 \$ 1,500 \$ 5,160
ASCE Conf in Hawaii Miscellaneous Donations from Section Stationery & Supplies Postage + PO Box Rental Newsletter Meetings OCEA Website YMF Activities Student Chapter Official Travel Committee Expenses	\$ 0 \$ 467 \$ 0 \$ 52 \$ 303 \$ 2,100 \$ 14,816 \$ 10,747 \$ 1,522 \$ 3,000 \$ 2,500 \$ 6,643 \$ 736	\$ 0 \$ 200 \$ 0 \$ 100 \$ 350 \$ 900 \$ 15,500 \$ 10,750 \$ 7,500 \$ 1,500 \$ 1,500 \$ 5,160 \$ 800
ASCE Conf in Hawaii Miscellaneous Donations from Section Stationery & Supplies Postage + PO Box Rental Newsletter Meetings OCEA Website YMF Activities Student Chapter Official Travel	\$ 0 \$ 467 \$ 0 \$ 52 \$ 303 \$ 2,100 \$ 14,816 \$ 10,747 \$ 1,522 \$ 3,000 \$ 2,500 \$ 6,643 \$ 736 \$ 6,000	\$ 0 \$ 200 \$ 0 \$ 100 \$ 350 \$ 900 \$ 15,500 \$ 10,750 \$ 750 \$ 3,000 \$ 1,500 \$ 5,160 \$ 800 \$ 6,000
ASCE Conf in Hawaii Miscellaneous Donations from Section Stationery & Supplies Postage + PO Box Rental Newsletter Meetings OCEA Website YMF Activities Student Chapter Official Travel Committee Expenses Scholarship Awards ASCE Golf Tournament	\$ 0 \$ 467 \$ 0 \$ 52 \$ 303 \$ 2,100 \$ 14,816 \$ 10,747 \$ 1,522 \$ 3,000 \$ 2,500 \$ 6,643 \$ 736 \$ 6,000 \$ 27,099 \$ 1,170	\$ 0 \$ 200 \$ 0 \$ 100 \$ 350 \$ 900 \$ 15,500 \$ 10,750 \$ 750 \$ 3,000 \$ 1,500 \$ 5,160 \$ 800 \$ 6,000 \$ 25,000
ASCE Conf in Hawaii Miscellaneous Donations from Section Stationery & Supplies Postage + PO Box Rental Newsletter Meetings OCEA Website YMF Activities Student Chapter Official Travel Committee Expenses Scholarship Awards	\$ 0 \$ 467 \$ 0 \$ 52 \$ 303 \$ 2,100 \$ 14,816 \$ 10,747 \$ 1,522 \$ 3,000 \$ 2,500 \$ 6,643 \$ 736 \$ 6,000 \$ 27,099 \$ 1,170	\$ 0 \$ 200 \$ 0 \$ 100 \$ 350 \$ 900 \$ 15,500 \$ 10,750 \$ 750 \$ 3,000 \$ 1,500 \$ 5,160 \$ 800 \$ 25,000 \$ 1,200
ASCE Conf in Hawaii Miscellaneous Donations from Section Stationery & Supplies Postage + PO Box Rental Newsletter Meetings OCEA Website YMF Activities Student Chapter Official Travel Committee Expenses Scholarship Awards ASCE Golf Tournament ASCE Region 8	\$ 0 \$ 467 \$ 0 \$ 52 \$ 303 \$ 2,100 \$ 14,816 \$ 10,747 \$ 1,522 \$ 3,000 \$ 2,500 \$ 6,643 \$ 736 \$ 6,000 \$ 27,099 \$ 1,170 \$ 2,000	\$ 0 \$ 200 \$ 100 \$ 350 \$ 1900 \$ 15,500 \$ 750 \$ 3,000 \$ 1,500 \$ 5,160 \$ 800 \$ 6,000 \$ 25,000 \$ 1,200 \$ 2,000
ASCE Conf in Hawaii Miscellaneous Donations from Section Stationery & Supplies Postage + PO Box Rental Newsletter Meetings OCEA Website YMF Activities Student Chapter Official Travel Committee Expenses Scholarship Awards ASCE Golf Tournament ASCE Region 8 Awards & Prizes	\$ 0 \$ 467 \$ 0 \$ 52 \$ 303 \$ 2,100 \$ 14,816 \$ 10,747 \$ 1,522 \$ 3,000 \$ 2,500 \$ 6,643 \$ 736 \$ 6,000 \$ 27,099 \$ 1,170 \$ 2,000	\$ 0 \$ 200 \$ 100 \$ 350 \$ 900 \$ 15,500 \$ 10,750 \$ 750 \$ 3,000 \$ 1,500 \$ 5,160 \$ 800 \$ 25,000 \$ 1,200 \$ 2,000
ASCE Conf in Hawaii Miscellaneous Donations from Section Stationery & Supplies Postage + PO Box Rental Newsletter Meetings OCEA Website YMF Activities Student Chapter Official Travel Committee Expenses Scholarship Awards ASCE Golf Tournament ASCE Region 8 Awards & Prizes Taxes	\$ 0 \$ 467 \$ 0 \$ 52 \$ 303 \$ 2,100 \$ 14,816 \$ 10,747 \$ 1,522 \$ 3,000 \$ 2,500 \$ 6,643 \$ 736 \$ 6,000 \$ 27,099 \$ 1,170 \$ 2,000 \$ 1,343	\$ 0 \$ 200 \$ 100 \$ 350 \$ 900 \$ 15,500 \$ 750 \$ 750 \$ 3,000 \$ 1,500 \$ 6,000 \$ 25,000 \$ 1,200 \$ 1,200 \$ 1,500
ASCE Conf in Hawaii Miscellaneous Donations from Section Stationery & Supplies Postage + PO Box Rental Newsletter Meetings OCEA Website YMF Activities Student Chapter Official Travel Committee Expenses Scholarship Awards ASCE Golf Tournament ASCE Region 8 Awards & Prizes Taxes Outreach Total Expenses	\$ 0 \$ 467 \$ 0 \$ 52 \$ 303 \$ 2,100 \$ 14,816 \$ 10,747 \$ 1,522 \$ 3,000 \$ 6,643 \$ 736 \$ 6,000 \$ 27,099 \$ 1,170 \$ 2,000 \$ 1,343 \$ 1,154 \$ 82,152	\$ 0 \$ 200 \$ 100 \$ 350 \$ 900 \$ 15,500 \$ 10,750 \$ 3,000 \$ 1,500 \$ 5,160 \$ 800 \$ 25,000 \$ 1,200 \$ 1,500 \$ 1,640 \$ 76,350
ASCE Conf in Hawaii Miscellaneous Donations from Section Stationery & Supplies Postage + PO Box Rental Newsletter Meetings OCEA Website YMF Activities Student Chapter Official Travel Committee Expenses Scholarship Awards ASCE Golf Tournament ASCE Region 8 Awards & Prizes Taxes Outreach	\$ 0 \$ 467 \$ 0 \$ 52 \$ 303 \$ 2,100 \$ 14,816 \$ 10,747 \$ 1,522 \$ 3,000 \$ 2,500 \$ 6,643 \$ 736 \$ 6,000 \$ 27,099 \$ 1,170 \$ 2,000 \$ 1,343 \$ 1,154	\$ 0 \$ 200 \$ 100 \$ 350 \$ 900 \$ 15,500 \$ 10,750 \$ 7,500 \$ 1,500 \$ 5,160 \$ 800 \$ 25,000 \$ 1,200 \$ 1,200 \$ 1,500 \$ 1,640

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ASCE HAWAII SECTION STUDENT SCHOLARSHIPS

Please help us increase our scholarship endowment so that we can recognize 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 96808-0917. If you have any questions, please contact Brian Enomoto at 388-5559, or benomoto@ascehawaii.org.

ASCE JOB LISTINGS

The following job listings are currently posted on the ASCE Hawaii Section website:

- Civil Engineer VI City and County of Honolulu
- Civil Engineer IV City and County of Honolulu
- Civil Engineer V City and County of Honolulu

continued on page 7



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EAH's new meeting location is above the Mango Grill in the Topa Tower (Ewa tower on Fort Street) of the Topa Financial Center (Old AMFAC Bldg). Take the elevator to the 3rd floor conference room. Parking is available (enter from Nimitz). The WEB site has been updated to provide directions and a Map. If you have questions please call Sam Gillie (543-4739).

Meetings are held every Friday (except Holidays). Meetings start at NOON and have ended PROMPTLY at 1:00 pm for 70 Years.

Program schedule may be adjusted, call Sam Gillie to confirm speaker 543-4739 Fax 203-1335.

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ASCE History, from page 1

have been put up at one end of the room for the entire company and each person has a key to his respective locker. A piano has been rented, and boxing gloves and other means of exercise are to be introduced for the healthful amusement of the boys [DB 5/7/1890]."

During Legislative debate in June, royalist Rep. R. W. Wilcox said he had been told that "Mr. Bishop paid the expenses of Company B, with the object of dethroning the King and putting a missionary on the throne [DB 7/1/18901.

The smell of overthrow was in the air!

Following the legislative debate, "the Military Committee of the house are of the opinion that for the peace and safety of the country no such military organization as the Honolulu Rifles should be allowed to exist, and therefore recommended its disbandment [DB 8/22/1890]. By the end of the month, references were maded to "the late Honolulu Rifles [DB 8/30/1890]." The Battalion may have been disbanded but its members remained: According to Rep. Bush of the Provintial Legislature, "although the Rifles had been disbanded, they were keeping up their organization under the guise of athletic clubs [HG 7/29/1890].

By November, the newly formed Honolulu Athletic Association had already "secured a lease on the Rifles' Armory on Beretania street where they have lately made numerous improvements and alterations [DB 11/8/1890], including "the two mauka company rooms have been thrown into one," two bath tubs and showers [were] erected in the makai room, and lockers were put in [HG 11/11/1890]. Two years later, the building housed the Honolulu Cycling Co. that featured skating and a bicycle riding school [DB 9/9/1892].

The Rifles' last armory on Beretania Street become the locus of intense anti-royalist activity during the subsequent events that resulted in the overthrow of Queen Lili'uokalani in January 1893. Its location is shown on the map below, whereas Brewer's Wharf where the Rifles had occupied the second story of the Market House previously is at the lower left of the same map.

Do you know of a civil engineering accom-

plishment or event that your fellow ASCE members might find interesting? Please send a brief description to C.S. Papacostas (fax 956-5014, email csp@wiliki.eng.hawaii.edu). Previous articles in the series may be found at the Section's web site. Just point your browser to http://www.ascehawaii.org.

ASCE, from page 6

- Mechanical Engineer IV City and County of Honolulu
- Civil Engineer V SSFM International
- Construction Manager (Company withheld) For further information on these job listings or to find out how you can post job openings in your company on this website, please visit http://www.ascehawaii.org/job-listings.html.



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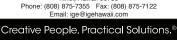
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