

## College hosts 1994 ASCE conference



Ryder Coelho (left) and Donny Sayoboc paddle University of Hawaii's concrete canoe "Po'okela" during the men's division finals.

The 1994 ASCE Pacific Southwest Regional Conference broadened horizons for many engineering students who participated in the event.

"This is the first time Hawaii has hosted the regional conference," said conference chairperson John Katahira. "We were excited because more UH students were able to participate this year. In addition, the conference activities offered Hawaii high school students a chance to learn about civil engineering."

Instead of sending a handful of UH students to the mainland to participate in the conference, the College welcomed more than 350 students and faculty advisors from 16 schools in Arizona, Nevada and Southern California.

Months of hard work by a group of dedicated CE students came to fruition during a four-day period from March 30 to April 2.

"The conference proved to be a success because everyone worked really hard and did exactly what they were supposed to do," said Katahira.

The conference included the following events:

- Concrete Canoe
- Steel Bridge
- Impromptu
- Matchstick Bridge
- Quiz Meet
- Technical Design Paper

- Volleyball Tournament
- Banquet

The first day began with registration and a brief orientation, followed by concrete canoe display judging at Andrews Outdoor Theatre. The canoes were judged on the basis of their design, construction, aesthetic appeal and overall finish. Top three finishes in this event went to the University of California at Los Angeles (UCLA), Cal Poly Pomona (CPP) and the University of Hawaii (UH), respectively.

Later in the afternoon, the volleyball tournament provided some physical challenge for the student participants. UCLA claimed tournament victory while second-place and third-place finishes went to Cal Poly San Luis Obispo (CPSLO) and San Diego State University (SDSU).

The second day of the conference started off with the impromptu event. Teams of four students had three hours to construct a structure that could carry an egg into a target ten feet away. Each team was later allotted twenty minutes to test their structure. They had three tries at the target unless the egg cracked first. California State University - Los Angeles captured first-place, while CPSLO and CPP finished second and third.

Other events on the same day were the quiz meet and the technical paper

Please see 1994 ASCE... next page

The University of Hawaii hosted the annual ASCE Pacific Southwest Regional Conference for the first time in history in March 1994.

THE

QUADRANGLE



A Newsletter  
for Alumni  
and Friends

College of  
Engineering

University  
of Hawaii  
at Manoa

Summer/Fall 1994

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SEP 26 1994

# 1994 ASCE Pacific Southwest Regional Conference

continued from front page

presentation. The quiz meet took place in mid-morning at the Campus Center Courtyard. Teams of three students competed head-to-head with questions on engineering, history, sports and entertainment. The University of Southern California (USC) took first-place honors, while Arizona State University and UCLA came in second and third.

The technical paper presentation took place in the afternoon. Each participating school submitted two papers on the following topic: Can Increased Use of Underground Space in Urban and Rural Development Reduce Potential Adverse Effects to the Environment? Students whose papers ranked in the top four made an oral presentation to the judges. A student from USC wrote the winning paper. Both the second and third-place finishes went to students from CPSLO.

The third day of the conference consisted of the steel bridge and matchstick bridge competitions and the banquet. The competitions took place on the fifth floor of the parking structure. For the steel bridge competition, each student team built a 20-foot bridge from

unassembled steel material. At the judging, the steel bridges were loaded with 2,500 pounds of weight. First-place went to SDSU, second-place to University of Nevada at Las Vegas (UNLV) and third-place to University of California at Long Beach.

The matchstick bridge competition was open to students from ASCE student chapters as well as local high school students. By inviting high school students to participate, the conference committee hoped to attract and educate prospective students interested in civil engineering. The bridges were tested with weights until they collapsed. First-place finish from UCLA supported 26.5 pounds. UH's entry placed second with a load of 26 pounds and UNLV came in third with 20 pounds.

The Conference banquet was held at the Hilton Hawaiian Village Friday night and included the following: dinner, slide shows, quiz meet finals and awards ceremony. Conference participants enjoyed delicious Hawaiian-style food and an evening of fun and fellowship.

Concrete canoe races took place the following day at the Ala Wai Canal. Competitors went all out to prove that concrete does



From left to right: Silas Collier, Ryder Coelho and Garrett Fong from the UH Impromptu team conduct a test run with the structure they built.

float. The races were divided into three divisions: women's, men's and co-ed. UCLA won all three divisions while CPP and UH ended up second and third.

Overall, the conference was a success as it allowed students to apply their engineering knowledge to work. Everyone learned a lot about teamwork and had a great time making new friends.

"The conference allowed us to meet many people that we wouldn't have met otherwise," said Katahira.

In addition, for students from the College, the event was a rare opportunity to experience first-hand what the annual ASCE regional conference is all about. Even though the UH team did not advance to the nationals this time, the experience of hosting the conference has generated an interest in the event that will carry on at the College for many years to come.

"I feel that the experience of hosting this year's conference will push our students to work harder for conferences in the future," Katahira said.

The conference planning committee would like to thank everyone who contributed their time and energy to make this event a success.



Left to right: John Chung monitors the loading of weights onto the University of Hawaii bridge as event judge Jill Marilley, Chairperson for the ASCE Zone 4 Committee on Student Services, and Roger Aoki observe.

This year's concrete canoe from the University of Hawaii was named "Po'okela," which is Hawaiian for "champion." It measured 16 feet and weighed 140 pounds.

**The University of Hawaii ASCE Student Chapter sends their warmest mahalo to the following companies and individuals for contributing to the success of the 1994 ASCE Pacific Southwest Conference:**

American Institute of Steel Construction  
 American Society of Civil Engineers  
 ASCE-Hawaii Section  
 ASUH  
 Barrett Consulting Group, Inc.  
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 Times Super Market, Ltd.  
 Tokai University  
 UH College of Engineering  
 UH Department of Civil Engineering  
 UH Manoa Parking Operations  
 UH Student Activity and Program Fee Board

## UH President visits EE department



**Chris Gray, an EE doctoral student, explains the intricacies of very large scale integrated (VLSI) circuits to UH President Kenneth Mortimer.**

**Dr. Kenneth P. Mortimer became the 11th President of the University of Hawaii and Chancellor of the Manoa campus in March 1993. Prior to his UH appointment, Mortimer was president of Western Washington University for nearly five years.**

Insufficient operating budget and inadequate office and laboratory space were among key issues addressed during University of Hawaii President Kenneth Mortimer's visit with the electrical engineering (EE) department.

In an effort to become better informed about EE department's accomplishments, concerns, and visions for the future, President Mortimer attended an open forum with EE faculty and students and toured three of the department's laboratories in early April.

EE Chairman Shu Lin started off the forum with a brief presentation on the department, whose major objective is to provide a program of excellence in electrical engineering while maintaining a proper balance between undergraduate and graduate instruction, research, and public service.

According to the Gourman Report, a rating of graduate and professional programs at American and international universities, both undergraduate and graduate EE programs at the College currently rank in the top 18 percent of the nation.

At present, EE faculty members conduct more than 30 research projects, funded by a variety of

agencies including the Air Force, NASA, the National Science Foundation and the Advanced Research Projects Agency. Total research funding now stands at more than \$3.4 million dollars. Furthermore, research collaboration with the industry has helped the department form close ties with about 40 companies.

Despite past and present accomplishments, the EE department is looking at continued improvement in the future as well as staying competitive in the pursuit of academic excellence, says Lin.

According to Lin, an insufficient operating budget has created problems for the department in terms of maintaining and replacing equipment, expanding office and laboratory space, and hiring teaching and research assistants.

"If we want to achieve academic excellence in our program, we need support from the administration," said Lin. "We also need to make our program known to the public, in order to attract more good local students."

Mortimer expressed sympathy for the department's problems caused by insufficient funding. However, he reminded those present at the forum that budgetary

**Please see Mortimer, page 5**

# Congratulations Spring 1994 engineering graduates

## DOCTOR OF PHILOSOPHY

*Electrical Engineering*

Aruna Ranaweera

## MASTER OF SCIENCE

*Civil Engineering*

Vinai Kashyap

Sanjay B. Kawad

Christie John Lawson

Pete Madrigal

John C. Marshall

*Electrical Engineering*

Xiaoyu He

Wai Hong Kwan

Dongchen Lu

Harish Pareek

Matthias Vierthaler

Xiaolin Yang

Lu Zhang

## BACHELOR OF SCIENCE

*Civil Engineering*

Roger C. Aoki

William L. Flynn

Steve L. Galicinao

Kurt K. Ganiko

Guy T. Hatami

Stacie L. Kikuchi

Randy Lacuesta

Anna S.F. Lee

Michael K. Matsuzaki

David E. Miran

Iris K. Oda

Grant M. Odo

Edmund P.G. Pascual

Eric R. Pilotin

Jeffrey F. Rebugio

Michael P. Shimko

Eric H. Tamashiro

Gregory K. Tanaka

Amanda Tse

Keith F. Vendetta

Michael A. Villanueva

Cory K. Waki

Cary T. Watanabe

Ryan S.W. Yamauchi

Scot S. Yoshimura

Lesley Ann W.Y. Zane

*Electrical Engineering*

Maria K. Abenoja

Chi Shing Au

Carl S.P. Chun

Baron K. Fujimoto

Robert L. Galano

Rodney M. Graham

David A. Harada

Guy S. Ihrig

Su Iong Kio

Woo Wai Lau

Glenn S.B. Lee

Alton Y.H. Leung

Conan C. Liu

Norman H. Nakagawa

Kristie T. Nguyen

Reid K. Okasaki

Kevin K. Oyama

Lee A. Peterson

Jason A. Toth

Robert Y. Uyeunten

Steven E. Valin

Maiyawat Wanitprapha

*Mechanical Engineering*

Thomas M. Allie

Steven S. Black

Tin Chi K. Chan

Karen M. Ikeda

Jill Z.Y. Lee

Yick Wa Lee

Wing-sze D. Leung

Chun Yip Siu

The four award recipients at the Spring 1994 graduation recognition ceremony were Karen Ikeda, Stacie Kikuchi, Conan Liu and Ryan Yamauchi. Ikeda, Kikuchi and Liu were named outstanding seniors for the ME, CE and EE departments, respectively. Yamauchi received the Robert Edwin Hughes Award, which recognizes the achievements of the most outstanding graduating senior from the College each academic year.

## Yamauchi honored with Hughes Award

Each semester, the College holds a graduation recognition ceremony in honor of its graduates. While all graduates receive individual recognition for their academic achievements, a few truly outstanding students are bestowed special awards.

The Robert Edwin Hughes Memorial Award is one of the top awards given to engineering graduates. It recognizes the achievements of a most outstanding graduating senior from the College each academic year.

In existence since 1962, the award was established by Robert H. Hughes in memory of his father, whose lifetime was characterized by his dedication to quality engineering, by his contributions to the betterment of the community, by his encouragement of young people in their pursuit of education and participation in athletics, and by his devotion to living in accordance with Christian values.

Born in Honolulu on April 14, 1884, R.E. Hughes began his



From left to right: Robert H. Hughes, Hughes' daughter Lindy Breen, Ryan Yamauchi and Hughes' son R. Larry Hughes celebrate at the graduation recognition ceremony.

career in engineering as an apprentice at Catton, Neill & Company, a prominent equipment manufacturer in Honolulu. In 1907, the company sent him to Hawaiian Commercial & Sugar Company (HC & S Co.) to assist in the instal-

lation of a set of multiple effect evaporators in the Puunene Mill, on the island of Maui. He subsequently accepted the position of a shop foreman at HC & S Co. Later, he advanced to the position

Please see Hughes, page 6

## EAAUH visits west coast alumni



Above: Engineering alumni pose for a group photo at the reception held in California. Below: Engineering alumni at the reception in Washington.

In an effort to serve the alumni and to stay informed about current engineering problems and issues, representatives from the College and the Engineering Alumni Association of the University of Hawaii (EAAUH) visited alumni on the West Coast earlier this April.

The visiting delegation consisted of current EAAUH President Michael Magaoay, Assistant Specialist Carrie Matsuzaki, EAAUH Vice President Derek Mukai, Assistant Specialist Sheryl Nojima and Ken Sakai, UH Alumni Association (UHAA) Co-Chair for Clubs and Chapters.

Together with representatives from the College of Arts & Sciences Alumni Association, the

engineering delegation hosted special reunion receptions for alumni on the West Coast. About 50 and 30 alumni attended the receptions in Seattle, Washington and San Mateo, California, respectively.

Alumni who attended the receptions enjoyed an evening of fun and relaxation with fellow classmates. As a result of this recent interaction between alumni and the visiting delegates, UH alumni residing in Seattle have established a UHAA Pacific Northwest Chapter.

On route to visiting alumni, the engineering delegation toured the Boeing Plant in Everett, Wash., currently the largest building in the

Please see EAAUH, page 16

## Mortimer

continued from page 3

constraints affect the whole university and that the state legislature is unlikely to appropriate more funding in the foreseeable future. The only way to solve problems related to budget cuts is to re-prioritize the current budget allocation.

"We do need an equipment maintenance program, but that money needs to come out of personnel," Mortimer said. "We want to be a research institution, yet 77 percent of our budget goes to people." In terms of paying for more teaching assistants, Mortimer suggested choosing between hiring lecturers versus hiring teaching assistants.

"My personal opinion is that the money should be directed to more teaching assistants," he said.

The President also pointed out that the EE department needs to somehow limit and maintain the size of its program in a reasonable range, because the university cannot staff to a swinging pattern in student enrollment. In addition, the present tight job market makes it imperative not to produce too many more EE graduates than the industry can absorb.

"We have to come to grips with the budget situation," concluded Mortimer. "What we need to accomplish is to get the freedom to make choices on our own, and to make changes in how we manage the same amount of money."

Engineering alumni in the Pacific Northwest area can contact Warren Kuwahara at (206) 337-3396 for information about the chapter and its activities.

# Alumni elect 1994-1995 EAAUH officers

**M**embers of the Engineering Alumni Association of the University of Hawaii (EAAUH) elected new officers at the association's annual general meeting, held in mid-June at the Honolulu Country Club.

EAAUH officers for 1994-1995 are President Michael Magaoay, Vice President Derek Mukai, Secretary Nami June Hamaguchi and Treasurer Timothy Ng. Their terms began on the first of July this year and end on June 30, 1995.

In other developments, EAAUH has a new director in Wayne Nakamura. Three 1993-1994 EAAUH directors, Neal Fukumoto, Randy Murayama and Glenn Yee, will continue to serve in the upcoming year.

Shortly after the elections, Interim Dean Reginald Young gave a brief update on the College and its staff. After a five-year leave of absence, Dr. Paul Yuen will resume his deanship at the College, effective August 1, 1994. Dr. Narendra

Saxena will become the new chairman for the civil engineering department. Dr. Shu Lin and Dr. Ping Cheng will continue their chairmanships in the electrical and mechanical engineering departments, respectively.

On behalf of the College, Dean Young presented outgoing EAAUH President Ryo Nakamoto a small token in appreciation of the hardwork he invested in the EAAUH over the past years.

Guest speaker for the meeting was Beth Nakamura, president of Pacific Rim Seminars. She delivered a speech entitled "Effective Communication."

Nakamura defines communication as an exchange of meaning and understanding through common symbols. She said that people need to communicate more with each other and to be aware of potential barriers to communication. She cited the human brain's selective focusing mechanism as an example of the barriers to communication. Due to this

mechanism, people tend to focus on certain parts of a conversation and block out others. As a result, they hear only what they want to hear.

According to Nakamura, good communicators think before they talk and choose their words carefully. When addressing someone about a problem, they avoid using accusatory or critical remarks and focus on how to solve the problem. In addition, good communicators are good listeners. They are aware of the fact that their personal prejudices may get in the way of really hearing others.

Toward the end of the meeting, door prizes were given out. Representatives from R.M. Towill Corporation turned out to be big prize winners at this meeting. They went home with gift certificates from Liberty House, Longs Drug Stores and Times Supermarket.

**Selection criteria for the Robert Edwin Hughes Award include academic excellence, participation in UH extracurricular and service activities, and full-time student status for at least three semesters prior to selection. The 1993-1994 recipient of the award was CE graduate Ryan S.W. Yamauchi, who maintained a 4.0 overall GPA during his academic career at UH. He was also named 1994 Student Engineer of the Year in February and has received numerous other scholarships.**

## Hughes Award remembers outstanding legacy

continued from page 4

of chief engineer and eventually became the pump and power department superintendent. During World War II, he was appointed general superintendent for the plantation. He retired in 1948.

R.E. Hughes' legacy of engineering projects includes the development of the Searby shredder, the upgrading of electrical distribution power lines throughout the plantation, electrification of deep wells, development of Maui-type wells, and the application of co-generation of electric power in the Puunene Mill.

His career as a sugar engineer was paralleled by his dedication to community service. He contributed his engineering knowledge to the County of Maui by assisting in the development of water resources for the county water system. He directed elements of the county

fairs, participated actively in the Maui Historical Society and the Kiwanis Club, and helped create the Maui Philharmonic Society as well as serving as its president.

Above all, R.E. Hughes was known for his involvement in the intellectual and athletic development of young people. He founded the Maui Boat Club, established and coached swimming teams, and played a key role in the Boy Scouts movement.

He also actively supported the Roman Catholic Church and its community activities, by serving on boards of the Catholic Youth Organization and several social institutions sponsored by Catholics. He remained a dedicated, devout Roman Catholic Christian before passing away in 1962.

"Basically, what my father did was to demonstrate the quality of his engineering abilities in a num-

ber of different applications, both on the plantation and in the community,

"Besides contributing his time and skills to the community, my father was also extremely dedicated to his family and relatives," said R.H. Hughes.

Although he has not been involved personally in the selection of the award recipients, R.H. Hughes says he has been pleased by the quality of students selected by the College to receive the memorial award.

"I have been very much impressed by the capabilities demonstrated by the award recipients over the years," he said.



A Donor  
Report For  
Alumni and  
Friends

College of  
Engineering

University of  
Hawaii at  
Manoa

1993 - 1994

## Message from the Interim Dean



Interim Dean Reginald Young

**O**n behalf of the College of Engineering, I am pleased to submit to you the donor report for the 1993-1994 fiscal year.

Before I begin, I'd like to thank each and everyone of you for the ALOHA you've extended to me over the past years. When I became Interim Dean of the College in 1989, I did not plan on being in the position for five years and more importantly, I had no idea that I'd get to know so many of you so personally and to be able to count you among my friends.

As of August 1, 1994, Dr. Paul Yuen has resumed his deanship at the College and I have returned to my former position as Associate Dean. During his five-year leave, Paul served as Interim Vice President for Academic Affairs, Senior Vice President and Executive Vice Chancellor, as well as a term as Interim President, for the University of Hawaii.

Having served as one of the key administrators of the UH system, Paul brings back with him valuable experience and perspective. We are looking forward to his leadership to take the College into the 21st century and beyond.

The past year has been one of new accomplishments and milestones for the College. With the continued support of alumni and friends, our 1993-1994 annual fund drive totaled \$489,035. We would like to extend our sincerest appreciation to all the donors, in particular to Mr. Ronald N.S. Ho for adding to his endowment in support of electrical engineering students, and to Mr. Bob Y.K. Wong for his third con-

tribution to the Geolabs-Hawaii Geotechnical Engineering Endowment.

We are also very grateful to our corporate donors, who showed their confidence in the College's academic and research programs by making significant contributions. Our Industrial Associates Program has grown with strong support from Boeing, TRW and Motorola.

In Fall 1993, the TRW Space and Electronics Group established a strategic alliance with the College to promote research in areas of mutual interest. TRW awarded \$65,000 in research funding to Drs. Lloyd Hihara, Eun Sok Kim and Joy Laskar. In addition, TRW granted our electrical engineering laboratories a variety of research equipment valued at \$200,000, which enabled the EE department to advance the current research infrastructure and to enhance some of the existing experiments.

Thanks to generous funding from the General Contractors Association (GCA) of Hawaii, our civil engineering department was able to hire a new instructor in construction engineering and management. The GCA is continuing its efforts to raise funds to fully endow a construction management chair in our CE department. We would like to thank the local construction industry for helping us develop a solid program that will provide our students with the necessary background in construction management.

Despite budgetary constraints, we managed to hire six top-caliber faculty members who brought to the College fresh perspectives in teaching and in research.

The CE department welcomed Mr. Carl Cordes, Dr. Sean Moroney, Dr. Shlomo Orr and Dr. Amarjit Singh. New to the EE department were Dr. Tong-Jyh Lee and Dr. Greg Uehara. Visiting the ME department this past year was Dr. Duke Perreira from Lehigh University in Bethlehem, Pennsylvania.

In other faculty-related developments, Dr. Narendra Saxena has succeeded Dr. Harold Hamada as chairman of the department of civil engineering, effective July 1, 1994. A faculty member at the College since

**With the continued support of alumni and friends, the College of Engineering 1993-1994 annual fund drive totaled \$489,035.**

## Dean's message

continued from page 7

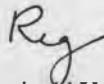
1978, Saxena is looking forward to chairing the CE department.

In an effort to serve the alumni and to stay informed about current engineering problems and issues, representatives from the College and the Engineering Alumni Association visited alumni along the west coast earlier this spring. The delegation toured the Boeing Plant in Everett and together with the Arts & Sciences Alumni Association, hosted reunion receptions for alumni in Washington and California. As a result of this recent interaction between alumni and the visiting delegates, UH alumni residing in Seattle have established a Pacific Northwest Chapter of UH Alumni Association.

Before I close, I would like to inform you that beginning this fall, our annual fund drive will take on a different format. Instead of hearing from us directly, you will be receiving calls from the University

of Hawaii Foundation, which has set up a new centralized telemarketing program to raise funds on behalf of the University. You will still have the opportunity to designate your gift to the College, department, or program of your choice, if you specify your preference to the Foundation caller. We hope that you will choose to continue supporting us through the Foundation's efforts.

On behalf of everyone at the College of Engineering, I would like to thank all of you once again. Your generous support has allowed us to continue our tradition of excellence in engineering education and research. We are looking forward to another successful year and we hope all of you will continue to take part in our quest for excellence.



Reginald Young  
Interim Dean

## College receives new endowment

The success of our annual fund drives during the past few years has depended largely on the combined efforts of our donors and fund raisers. The recent establishment of a new endowment at the College proves that such teamwork produces impressive results.

A group of civil engineering alumni and hardworking students have made possible the creation of a \$26,000 Chi Epsilon Endowment at the College. Earnings generated from this endowment will support initiation projects, fees, travel and a variety of special activities for the Chi Epsilon student chapter at the University of Hawaii.

Donald Kim (CE 58), Honor Member of the UH Chapter of Chi Epsilon, initiated the establishment of the endowment with a generous \$5,000 contribution. According to Chi Epsilon faculty advisor Dr. Ar-

thur Chiu, Edward Hirata (CE56) then took on the mission of building on the endowment by contacting Chi Epsilon alumni members, of which 140 contributed a total of \$11,000. Meanwhile, student chapter members also got busy raising money on their own. Their hard work added another \$10,000 to the endowment.

"This endowment is a good example of how students and alumni combined efforts to create a perpetual fund for future Chi Epsilon students," said Assistant Specialist and Chi Epsilon alumna Sheryl Nojima.

The College is very grateful to everyone who took part in the creation of the new endowment.

We look forward to more similar types of successful fund raising in our future fund drives.

## Holmes Hall renovation

Renovation will soon take place at Holmes Hall to provide much-needed office and classroom space for civil and mechanical engineering departments.

Scheduled to begin early this fall and to be completed within 90 days, the renovation will take place on the first and second floors of Holmes Hall.

According to Dr. Reginald Young, the CE shop area on the first floor will be made into classrooms while the loft area will be converted to office space to accommodate graduate assistants. Rooms 200-202 on the second floor will also be converted to individual faculty offices.

The University has awarded the renovation project contract to Warren Shioi. The College will use the Engineering Enrichment Fund to pay for the project, which is estimated at around \$170,000. A variety of donated services have helped in keeping the costs low, said Young.

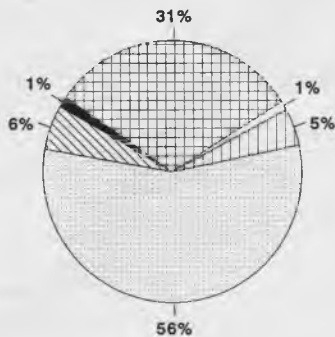
"We are very grateful to I & K Architect for their design work, to Harold Miyamoto & Associates for taking care of the structural engineering portion of the project, and to Cedric Chong & Associates for their electrical and mechanical engineering services," he said.

Even though Holmes Hall has long been listed on the University of Hawaii's long-range improvement plan, its low priority has made it necessary for the College to go ahead with the renovation using private funds.

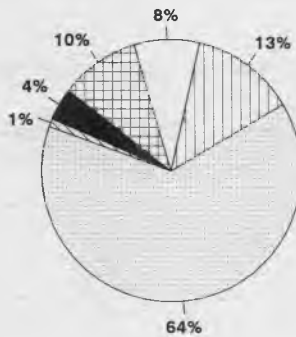
Young said that the renovation project will solve some immediate space problems at Holmes Hall, but insufficient space will continue to be an issue at the College.

"We are looking forward to the completion of the Pacific Ocean Science and Technology Building," he said. "It will help tremendously in providing much-needed space."

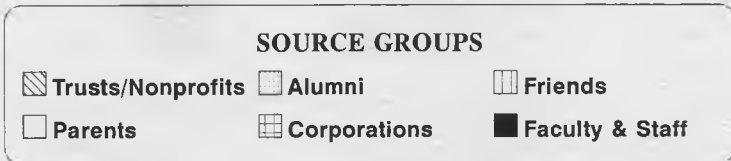
# 1993-94 Private Gift Sources



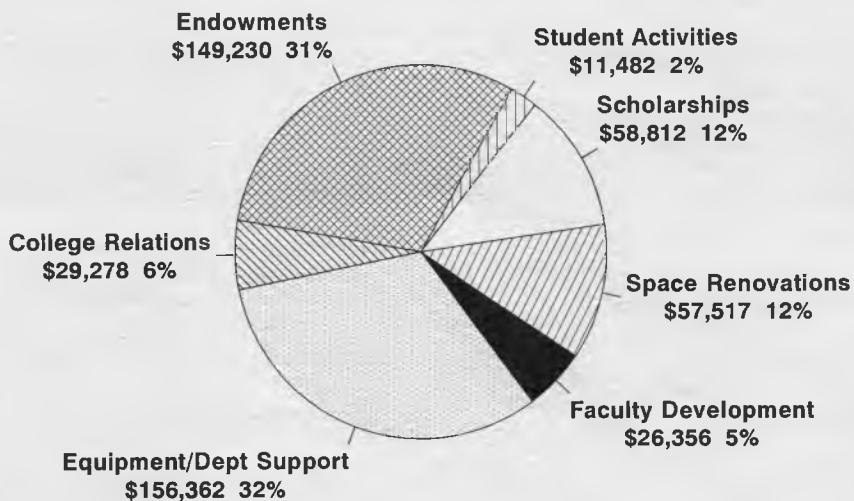
**Dollars Raised**  
(\$489,035)



**# of Donors**  
(1,151)

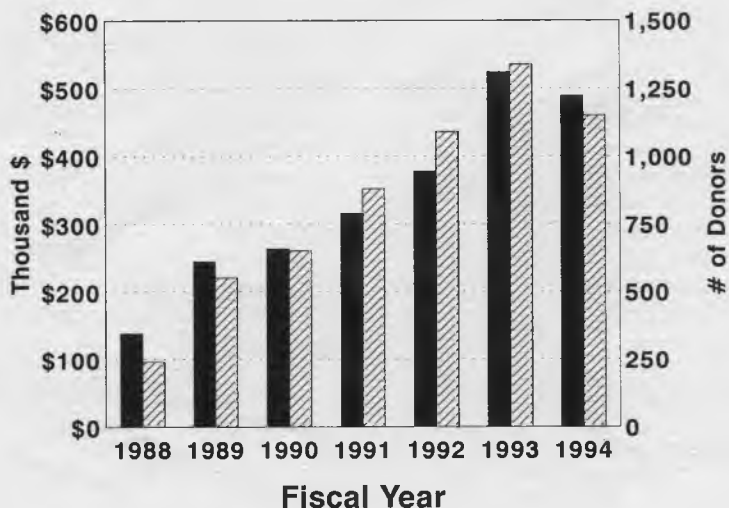


## Uses of Private Support in 1993-94



Total = \$489,035

## Growth in Private Gifts



■ Thousand \$    ▨ # of Donors

# 1993-94 College of Engineering Donors

(July 1, 1993 - June 30, 1994)

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 Sam Callejo  
 Linford Chang  
 Michael Chun  
 Tit Mun Chun  
 Edward Harada  
 Brian Hashiro  
 Kazu Hayashida  
 Edward Hirata  
 Ernest Hirata  
 Ronald Ho  
 Theodore Kawahigashi  
 Maurice Kaya  
 Donald Kim  
 Leonard Leong  
 Franklin Lum  
 Gordon Matsuoka  
 Wallace Miyahira  
 Harold Miyamoto  
 Owen Miyamoto  
 Herbert Muraoka  
 Randolph Murayama  
 George Nishimura  
 Gerald Noda  
 Stanley Osada  
 Randolph Ouye  
 Glenn Oyama  
 Clayton Pang  
 James Ramirez  
 William Sewake  
 Roy Shimabukuro  
 Jonathan Shimada  
 C. Michael Street  
 Melvin Suzuki  
 George Uyema  
 Mark Watase  
 Bob Y.K. Wong  
 Gary Yamamoto  
 Rodney Yamamoto  
 Takeshi Yoshihara

***Government Liasons***

Yukio Uyehara  
     Dept. of Public Works  
 James Honke  
     Dept. of Wastewater Mgmt.  
 Gordon Matsuoka  
     Dept. of Acctg. & Gen. Svcs.

This report acknowledges all donors from July 1, 1993 to June 30, 1994. We have made every effort to report each donor name as accurately as possible. Please inform us of any errors so that we can promptly update our records. Some alumni and friends who support other UH colleges are recognized through publications of those colleges. If you want to support the College of Engineering, please indicate so on your next gift.

# College publishes student résumé book

A new publication from the College of Engineering is expected to provide an important linkage between our engineering students and engineering firms.

Due out in November, the *College of Engineering Student Résumé Book* will contain résumés from upperclassmen and graduate students. The résumés will be arranged by engineering discipline and study level, in alphabetical order.

According to Assistant Specialist Sheryl Nojima, the publi-

cation will benefit both engineering firms and the College's students. It will assist engineering firms in recruiting new graduates and help the College's students in getting their résumés out to potential employers.

"In the past, people in the engineering industry have often contacted us to inquire about our new graduates," said Nojima. "This publication will be a good way to help them in their recruitment."

The College is expecting résumés from a lot of students,

even though submission to the publication will be voluntary on the part of the students.

"The students whom I've talked to so far seem to be very interested in the publication," said Nojima.

In order to help students get a head start on preparing résumés for the publication, the College has scheduled four workshops during the early part of the Fall semester. Gerald Lau, a career counselor from the University of Hawaii

Please see Publication, next page

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## Spring 1994 College of Engineering Dean's List

Jocelyn K. Akana

Darrick Y.K. Akiyama

Weng Cheong Ao

Eric Y. Arakaki

Christopher K. Asano

Leonard K.Y. Asano Jr.

Steven K. Bauer

Chek H. Bok

William R. Borengasser

Alan N.F. Chan

Che-min Chang

Lon Shao Chang

Xiaoliang Chen

Kwok Bun J. Cheng

Sharen H. Cho

Alan C.M. Chong

Garrett K. Chun

Clifford R. Cordeiro

Kala J. Crow

Patrick P.H. Dao

Michael D. Domion

Brandt Y. Fukuda

Clifton J. Funakura

Michael H. Furoyama

Kurt K. Ganiko

Hazel S. Guico

Keith D. Hamasaki

Neil S. Hasegawa

Eugene J. Higa

William W.W. Hong

Linda H.L. Hu

Jayson A. Imai

Shane K. Imai

Glenn B. Isidro

Mark K. Iwasaki

Juneko C. Jackson

Layne K. Jakahi

Eric N. Kaneshiro

Erik S. Kaneshiro

Kevin D. Kasamoto

Jay M. Katano

Ayako Kawabata

Maya K. Kawaguchi

Michael K. Kawasaki

Stacie L. Kikuchi

Emmett J.K. Kinney

Denton A. Kort

Lisa K. Koshimizu

Creighton K.L. Lai

Martin H.W. Lau

Diana T. Le

Justin K. Lee

Vincent D. Lee

Garrett D.Q. Leong

Gay Y.Y. Leong

Grace M.Y. Leung

Die Ren Li

Tsz Keung Li

Hiu Lim

Kwok Fai Lo

Wing Hung Lo

Bernard M. Lucero

Thomas A. Luczak

Ezra L.J. Lum

Calvin Y. Mai

Florence V. Marcelo

Michael M. Masaki

Myles M. Matsumoto

Wendy Y. Matsumoto

Jerry M. Matsunaka

Craig S. Matsuura

Mia M.M. Minami

Danise H. Miyasato

Miles M. Miyashiro

Mitchell M. Miyoshi

Matthew S. Morita

Ann Y. Mukai

Scott S. Murakami

Jeffrey M. Murata

Cindy M. Murayama

Joy M. Murayama

Duane H. Nagata

Norman H. Nakagawa

Eric B. Nakamura

Kyle T. Nakamura

Pamela K. Nakanishi

Marc A. Nishida

Lisa M. Nishiyama

Marcus L. Nunes

Daryn M. Ohta

Wendy M. Okamura

Todd S. Okasaki

Judy J. Okazaki

Frank H. Okimoto

Lorraine R. Onedera

Grant K. Ono

Neysa D. Park

Amit J. Rele

Rafael A. Rivera

Jennifer A. Sakaba

Ivan Y. Sakamoto

Chun Yip Siu

Tracy R. Smith

In-mei Sou

Terrence K. Tadaki

Gary K. Takahashi

Leann Y. Takamoto

Anna S.P. Tam

Eric H. Tamashiro

Dean S. Tanabe

Ryan K. Tanaka

Shawn E. K. Tasaka

Dane S. Toyama

Amanda Tse

Fern R. Tsukada

Glen S. Uehara

Jennifer L. Umemoto

Anthony C. Uy

Rick W. Volner

Mia R. Wakabayashi

Cory K. Waki

Cary T. Watanabe

Walter T. Watanabe

Jorge J. Wong-Chan

Keith K. Wong

Lucy P.Y. Wong

Zhuang Jun Wu

Hui Yin Xu

Meina Xu

Ryan S.W. Yamauchi

Chiu Wang Yeung

Scot S. Yoshimura

**The Dean's List honors students with a term GPA of 3.5 or above. During the Spring 1994 semester, a total of 132 students made the College of Engineering Dean's List. About one-third of these students received straight A's.**

## EAAUH

continued from page 5

world. Each exit door at the plant is as wide as a football field. The delegation received a warm welcome from hosts Edward Clifford, Director of Human Resources of Engineering Division at Boeing Commercial Airplane Group; James Haas, an engineer on the Boeing 777 project; and William Morton, who recently retired from Boeing.

The EAAUH would like to thank everyone who helped organizing the trip. Special mahalo also goes out to all the alumni who attended the receptions. In addition, the College is looking forward to more interaction with alumni in the near future.

In June 1992, the College sent representatives on a goodwill trip to the mainland for the first time. During that trip, Interim Dean Reginald Young and Assistant Specialist Sheryl Nojima hosted a reception for about 30 alumni in Tukwilla, Washington.

## Publication

continued from page 15

Career Placement Services, will be conducting the workshops.

Since résumés submitted to the publication do not have to follow a standard format, students have an opportunity to present their résumés in an individualized manner.

Besides serving as a link between engineering firms and students, the publication will help students get organized for job interviews.

"Many students wait until the last minute to write their résumés," said Nojima. "The résumé book will get them in the frame of mind of thinking ahead."

The College hopes to publish a résumé book every semester. In addition, the College plans to compile a company résumé book in the near future, in order to help students learn more about companies in which they may be interested.

For more information about the Student Résumé Book, please contact Sheryl Nojima at 956-7426.

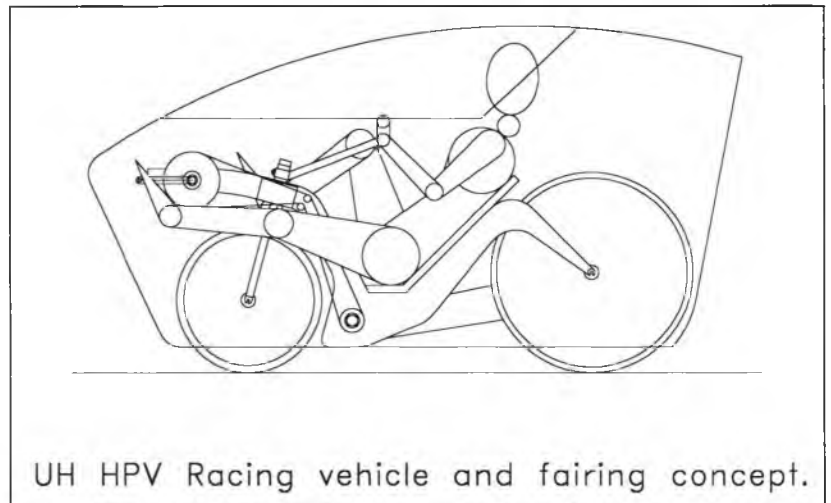
## ME students design new vehicle

A team of mechanical engineering students at the College have designed an alternative form of transportation that may help ease traffic congestion and reduce air pollution.

The ME students have been working together since the Spring 1994 semester on the design of a human powered vehicle (HPV), as part of their senior design project for ME 481 *Engineering Design Methodology* and ME 482 *Design Project*.

lar epoxy composites and aluminum alloys. The vehicle's semi-recumbent riding position, small front tire, and an appropriately geared drive train system will help reduce the overall surface area and drag while increasing maneuverability and acceleration.

An innovative form of transportation, the HPV offers many advantages over conventional vehicles. Unlike motor vehicles, the HPV does not introduce any pollutants into the air since all the



In addition, they plan to race the finished vehicle in the American Society of Mechanical Engineers' (ASME) Spring 1995 HPV Region IX Championship, which will consist of an oral presentation, a sprint race and an endurance road race.

"It [the HPV] started out as a project for the ASME UH Student Chapter," said James Ibanez, one of the students working on the vehicle. "Since many students already enrolled in ME 481 got interested in the project, a group of us approached the instructor to see if we could make it a part of the course and get credit for it."

The UH-HPV is a single rider, semi-recumbent, two-wheeled vehicle with a light weight fairing over the frame to reduce aerodynamic drag. It has a number of innovative features. To ensure the vehicle's light weight, structural strength and high impact resistance, the frame and fairing will be made with advanced materials such as carbon and kev-

energy supplied to the vehicle comes from the riders. Its compact size helps reduce traffic congestion and makes it easier to find parking space.

According to Ibanez, the vehicle's semi-recumbent position makes it more comfortable than regular bicycles, once the rider becomes accustomed to riding in such position. Another advantage is that the HPV can easily approach a speed of 35 mph, which makes it easier and safer to keep up with the flow of other motor vehicles in the city.

Although the UH-HPV Racing Team designed the vehicle mainly for competition in the ASME championship, Ibanez feels that it will have practical applications in the foreseeable future.

"I see it as a good way of alleviating traffic in highly congested area such as downtown Honolulu," he said. "It's a great solution for running errands within short distances."

# Faculty Highlights

## DEAN YUEN RETURNS

### Dr. Paul Yuen

The College of Engineering recently welcomed back Dr. Paul Yuen, who resumed his deanship starting August 1994. During a five-year leave beginning in 1989, Yuen served as interim vice president for academic affairs, acting president, and executive vice chancellor/senior vice president of the University of Hawaii. Yuen says he's happy to be back and looks forward to working with everyone at the College. Dr. Reginald Young, interim dean during Yuen's leave, will return to his former post as associate dean.



Dr. Paul Yuen

sion on the subject of wind forces on structures as well as the response of structures to these forces; and to attempt to clarify, coordinate and unify wind design provisions of national and local building codes. Chiu also serves as a control member of the technical administrative committee within the dynamic effects committee, and a member of the aerodynamics committee. He was recently invited to provide guidance in wind engineering research by the Structural Engineering Research Center in Madras, which received sponsorship from the United Nations Development Program. In March, he was invited to present the Crom Lecture at the University of Florida at Gainesville. His talk was entitled "Mitigating Damage from Wind Effects: Are We Doing Enough?" Chiu received his doctorate from the University of Florida in 1961.

## NEW APPOINTMENT

### Dr. Chao Yang Wang

The department of mechanical engineering welcomes Dr. Chao Yang Wang, who recently joined the engineering faculty as an assistant professor of mechanical engineering. Wang received his doctorate from the University of Iowa and his master's degree from Zhejiang University in Hangzhou, China. He specializes in thermosciences, transport phenomena, solidification processing, and multi-phase flows and transport. He previously worked as a research scientist at the Institut für Kernenergie und Energiesysteme of the Universität Stuttgart in Germany. He was also a research/teaching assistant at the University of Iowa. A native of the People's Republic of China, Wang says he is a fan of basketball.

## FACULTY ACTIVITIES

### Dr. Arthur Chiu

Professor of civil engineering Arthur Chiu actively participated in the American Society of Civil Engineers (ASCE) Structures Congress, held this past April in Atlanta, Ga. Dr. Chiu has been appointed by ASCE as the 1994-1997 chairman of the wind effects committee, whose purposes are to re-examine, improve and disseminate present knowledge; to enlighten the engineering profes-



Dr. Chao Yang Wang

micromanufacturing for 3-D microstructures.

### Dr. Deane Kihara

Deane Kihara, assistant dean for the College of Engineering, was awarded a grant by the Hawaii Department of Education for his project entitled "Summer Program of the Enhancement of Basic Education 1994." The program exposed high school juniors to the rudiments of engineering practice through a coordinated program of lectures, recitations, laboratory experiments and field trips. It covered several topics related to engineering, including a case study of a typical engineering project.

### Dr. Joy Laskar

Electrical engineering Assistant Professor Joy Laskar received research funding from Boeing Aerospace Co. for his project entitled "Study of Cryogenic S-Parameters in Gallium Arsenide (GaAs) Field-Effect Transistors (FETs)." The goal of this project is to provide an empirical model for the development of detailed small-signal, large-signal and noise models for GaAs FETs, which will be operated at cryogenic temperatures. Dr. Laskar also received continued funding from NASA's Jet Propulsion Laboratory for his project entitled "Millimeter-Wave Cryogenic On-Wafer Measurement System." This additional funding will provide support for a graduate assistantship to help Laskar in designing and prototyping a cryogenic millimeter-wave facility with demonstrated performance to

## RESEARCH HIGHLIGHTS

### Dr. Eun Sok Kim

Assistant Professor of electrical engineering Eun Sok Kim received a research grant from Tektronix, Inc., in support of his project entitled "Microfluidic System Using Microelectromechanical systems (MEMS)." Kim has proposed to fabricate a microfluidic system based on acoustic beam forming and steering. Such technology may be applied to high performance ink-jet printing, various analytical microsystems for environmental/medical sensing and monitoring, and novel

65 GHz for scattering parameter measurements.

### Dr. L. Stephen Lau

Civil engineering Professor Stephen Lau secured funding from the National Science Foundation to help finance the "Conference on the Assessment of Groundwater Models, March 21-23, 1994." The conference brought together water, land and environmental managers, as well as model developers from around the nation. Conference participants assessed the efficacy of the current generation of groundwater models in addressing environmental problems, the success of models in advancing understanding of groundwater systems, and what is needed for the next generation of models.

### Dr. Tong-Jyh Lee

Electrical engineering Assistant Professor Tong-Jyh Lee received funding from the University Research Council in support of her project entitled "Matrix Computations on a Heterogeneous Multiprocessor System." In contrast to the traditional techniques designed for certain restrictive processor configurations, Dr. Lee's proposed research addresses practical and theoretical issues encountered in the scheduling of a broad class of task graphs for real-time scientific applications on a general computing platform, where processors can have different processing speeds and distinct properties.

### Dr. Alex Quilici

Electrical engineering Assistant Professor Alex Quilici received funding from the University Research Council, in support of his project entitled "Visual Information Retrieval and Organization." The goal of Dr. Quilici's project is to construct a visual mechanism, augmented by natural language, that supports locating, organizing, processing and sharing information. This mechanism will have applications in any area where people use computers to find information.

Continued on next page

# Faculty

## Dr. Amarjit Singh

Assistant Professor of civil engineering Amarjit Singh received a grant from the University Research Council, in support of his project entitled "Evaluation of Competitive Construction Bidding in Southern Polynesia." Dr. Singh's research aims to analyze bidding costs at the "elemental work activity" or micro level of construction projects in Southern Polynesia. Results of his research will provide an in-depth guide to successful bidding and reduction of cost overruns, while ensuring contractor profitability. His research will benefit construction contractors in Hawaii as well as international investors by providing vital bidding information for construction activities in Southern Polynesia.

## Dr. Junku Yuh

Associate Professor of mechanical engineering Junku Yuh received funding from the National Science Foundation to conduct a workshop on future research directions in underwater robotics. The goal of the workshop was to provide a forum for open discussions on a number of issues with significant impact on the future progress in the field of underwater robotic systems. This one-day workshop took place on Maui in mid-August, before the 1994 International Symposium on Robotics and Manufacturing and the Tenth Annual Governor's Symposium on High Technology.

## Dr. David Yun

Electrical engineering Professor David Yun was awarded a grant by NASA, in support of his project entitled "Parallel Image Compression by Neural Networks." Modern space and earth exploratory technology has enabled rapid gathering of scientific data. Image compression plays a vital role in this data explosion by facilitating the transmission and storage of data. Dr. Yun will develop a real-time, adaptive image compression technique using competitive learning neural networks, and implementing the technique on massively parallel computing systems.

## 1930s

•**Walter Matsumoto** (CE 34) is retired. He resides in Honolulu.

## 1940s

•**Hung Joong Young** (CE 41) is retired. He lives in Honolulu.

## 1950s

•**Owen Miyamoto** (CE 50) works for the State of Hawaii Department of Transportation as airports administrator. He lives in Honolulu.

•**Mae Nishioka** (CE 50) is retired and lives in Honolulu. •**Stanley Fujimoto** (CE 52) recently retired after 24 years of work in the development of Hawaii Kai area.

•**Tamateru Kodama** (CE 52) is a vice president at Ralph S. Inouye Co., Ltd. He is a resident of Aiea.

•**Roy Shimabukuro** (CE 52) is president of SSFM Engineers Inc.

•**Wally Miyahira** (CE 54) is president of Castle & Cooke Homes Hawaii. •**Thomas Look** (CE 55) is chief of field operation for the Honolulu Board of Water Supply. He lives in Aiea. •**William Hee** (CE 56) is president of Engineers Surveyors Hawaii, Inc. He has recently been inducted into Chi Epsilon and confirmed to the Board of Agriculture. •**George Nishimura** (CE 56) is president of Nishimura, Katayama, Oki & Santo, Inc.

•**Manabu Tagomori** (CE 57) works for the State of Hawaii Department of Land and Natural Resources as manager-chief engineer. He was recently elected vice president of American Water Works Association. •**Stanley Doi** (CE 58) is president of Jas W. Glover, Ltd. •**Calvin Kim** (CE 59) is president of Calvin Kim & Associates, Inc.

## 1960s

•**Robert Lau** (GE 60) is president of EDP Hawaii Inc. He lives in Aiea. •**Herbert Inouye** (CE 63) is a vice president at Ralph S. Inouye Co., Ltd. He resides in Kailua.

•**Stanley Murakami** (CE 64) works for the State of Hawaii Department of Public Works as project manager. •**Kay Muranaka** (CE 64) works for Engineering Concepts, Inc. as vice president. He lives in Honolulu. •**Ronald Iwata** (ME 67) is a mechanical

# Alumni News

engineer at the Naval Sea Support Center. •**Denny Smith** (EE 67) works for Tosco Corporation as director of information services. He resides in Pleasant Hill, Calif.

•**Wesley Takemori** (ME 68) is a mechanical engineer at Pearl Harbor Naval Shipyard. He makes his home in Pearl City. •**Richard Abe** (CE 69) works for the U.S. Army

Corps of Engineers - Pacific Ocean Division. He is chief of civil/structural branch in the technical engineering division. •**Steven Aoyama** (CE 69) is an environmental & safety officer with the U.S. Public Health Service. He lives in Rockville, Md.

•**Gary Lnk** (EE 69) works for Boeing Co. as manager of business planning. He lives in Downingtown, Pa.

•**Daniel Miyasato** (CE 69) is a vice president at Sato & Associates Inc. He resides in Waipahu.

•**Alan Okinaka** (EE 69) is GTE Hawaiian Tel Big Island manager. He lives in Hilo.

## 1970s

•**Norman Ikei** (CE 72) is a project engineer with the U.S. Army Corps of Engineers. •**Masanobu Fujioka** (CE 73) is a managing partner at Masa Fujioka & Associates. He lives in Aiea.

•**Cleighton Goo** (CE 73) is assistant development section chief for the State of Hawaii Housing Finance and Development Corporation. He resides in Honolulu.

•**Carl Shimazu** (CE 73) works for the Pacific Division of Naval Facilities Engineering Command. He is program manager of the acquisition department.

•**Arnold Ching Jr.** (ME 74) works at the Naval Sea Support Center as a mechanical engineer - surface MSL. •**Irvin Chan** (CE 75) is a project/structural engineer at TRW. He is responsible for both metallic & composite spacecraft structure. He has a 14-year-old daughter and lives in S. Pasadena, Calif.

•**Lester Fukuda** (CE 76) is senior vice president of Hawaii Pacific Engineers, Inc.

## CE alumnus named VP of structural engineering firm

Gary Chock (CE 78) was recently promoted to the position of vice president of Martin & Bravo Inc., the Hawaii affiliate of Martin Associates Group.

Chock, who joined Martin & Bravo in 1986 as a project engineer, currently oversees the firm's consulting contract for the newly emerging \$175-million First Hawaiian Center in downtown Honolulu. John Bravo, president of Martin & Bravo Inc., speaks highly of Chock's professional achievements.

"In 35 years of construction consulting, I have never met a structural engineer who possessed a greater degree of ability,

"In his eight years with us he has been responsible for several outstanding assignments, among them the Waikiki Landmark, Hawaii Prince Hotel and Nauru Tower Phase I, for which we have also received major design awards.

"We expect Gary to be a vital influence in our company's

continuing growth and commitment to excellence in providing successful structural solutions throughout Hawaii and elsewhere in the Pacific Basin," said Bravo.

Chock holds a master's degree in civil engineering from Stanford University and is licensed to practice in both California and Hawaii. He serves as a director for the Structural Engineering Association of Hawaii, for which he recently drafted an inspection standard of practice. He chairs the Hawaii State Earthquake Advisory Board at State Civil Defense, and has helped the Honolulu Building Department establish new structural inspection certifications. In addition, he is active in the Consulting Engineers Council and received the "Young Engineer of the Year" award in 1990.

# Alumni News

•**Michael Magaoay** (EE 76) works for American Electric. He resides in Mililani. •**Michael Ogan** (EE 76) is an engineer with the U.S. Air Force. He lives in Honolulu. •**Stanley Ho** (CE 77) is director of Public Works Engineering at the Marine Corps Base, Camp Butler, in Okinawa, Japan. He is married to the former Beatriz Borrego and has two daughters. •**Wayne Nakamura** (CE 77) works for STV/Lyon Assoc. as a civil engineer. •**Stephen Green** (ME 78) works for Waikoloa Land Co./Waikoloa Utilities as chief field engineer. He and his family reside in Waikoloa Village, a 20-year-old town of about 7,000 people. He travels to Nagoya, Japan annually and visited Tokyo Disneyland last year. His 5-year-old daughter is completing Kindergarten. •**Ranold Fujioka Jr.** (CE 78) works for Navy Public Works Center as supervisory environmental engineer. •**Carol Minami** (EE 78) is senior administrator in pricing and tariffs for GTE hawaiian Tel. She makes her residence in Honolulu. •**Bert Yamamoto** (CE 78) is a civil engineer at EDP Hawaii. He lives in Honolulu. •**Roy Abe** (CE 79) works for Hawaii Pacific Engineers, Inc. as vice president/civil engineer. He resides in Honolulu. •**Melvin Arakaki** (CE 79) is a program manager at HQ - U.S. Army Corps of Engineers. •**Laverne Higa** (CE 79) works for the City & County of Honolulu as a civil engineer. She lives in Honolulu. •**Jason Takaki** (CE 79) is a civil engineer at the Honolulu Board of Water Supply. He resides in Honolulu.

## 1980s

•**Shirley Matoi** (CE 80) works for the Pacific Division of Naval Facilities Engineering Command as a civil engineer. •**Eric Nakagawa** (ME 80) works for Randolph H. Murayama & Associates as an associate/design engineer. He lives in Kaneohe. •**Beverly Ing** (CE 81) is a project engineer at Gray, Hong, Bills & Associates, Inc. •**JoAnne Nakamura** (CE 81) works for Engineers Surveyors Hawaii, Inc. She lives in Honolulu. •**Mike**

**Nojima** (CE 81) works for Gray, Hong, Bills & Associates, Inc. as a project engineer. He lives in Hawaii Kai. •**Lawrence Ornellas** (EE 81) is an operations supervisor at HRRV. He resides in Waipahu. •**Ryo Nakamoto** (ME 82) is a mechanical engineer with the U.S. Army Corps of Engineers. •**Steven Nakagawa** (ME 84) is employed by Randolph H. Murayama & Associates as a project/design engineer. •**Andy Ragasa** (CE 84) works for Koga Engineering & Construction Inc. as a project manager. •**Danilo Domingo** (ME 85) is a nuclear engineer at Pearl Harbor Naval Shipyard. He lives in Waipahu. •**Glenn Hamasaki** (EE 85) lives in Flower Mound, Texas. He is a systems engineer at Texas Instruments. •**Kurt Sakamoto** (EE 85) works for Motorola Inc. as a senior staff engineer at the GaAs Design Center. He resides in Chandler, Ariz. •**Edward Shikada** (CE 85) works for the Los Angeles County Metropolitan Transportation Authority. He manages the congestion management program. •**Lynn (Kaoru Tamashiro) Tanaka** (ME 85) is a mechanical engineer at the Pearl

Harbor Navy Submarine Base. She lives in Mililani. •**Warren Hayakawa** (EE 86) works for Hawaiian Electric Co. as an electrical engineer. He resides in Honolulu. •**Nancy Convard** (CE 87) is employed by Parametrix Inc. as an environmental services manager. •**Drew Medeiros** (ME 87) recently moved back to Oahu after living in San Diego for four years. He works for Science Applications International Corporation as a mechanical engineer/consultant. •**Tracy Kazunaga** (ME 88) is a mechanical engineer with the U.S. Air Force. She works at the Hickam AFB. •**Kurt Shigeta** (EE 88) is an assistant professor of aerospace studies with the U.S. Air Force. He lives in Los Angeles, Calif. •**Robyn (Takabayashi) Tabata** (88) works for Randolph H. Murayama & Associates as a project engineer. She lives in Aiea. •**Kerstan Wong** (EE 88) is a project manager at Hawaii Electric Co., Inc. •**Michael Yoneda** (EE 88) works for NISE West Hawaii as a manager. He lives in Mililani. •**Derek Mukai** (89) is employed by R.M. Towill Corporation as an associate en-

gineer. •**Michael Wong** (CE 89) is a hydrologist with the U.S. Geological Survey, water resources division. He resides in Kaneohe.

## 1990s

•**Suzanne Baba** (CE 90) is an environmental engineer with the U.S. Army Corps of Engineers. She lives in Pearl City. •**Barry Muranaka** (CE 90) works for Akinaka & Associates, Ltd. as a civil engineer. •**Dina Ueoka** (CE 90) recently relocated to Honolulu. She is now a civil engineer at Austin, Tsutsumi & Associates. •**Ann Wong** (CE 90) is a civil engineer at the Board of Water Supply. She lives in Kapolei. •**Sheri Yoshioka-Higashionna** (90) is a project engineer at Prepose Engineering systems Inc. She lives in Pearl City. •**Allan Dunphy** (EE 91) works for Naval Undersea Warfare Center as an electronics engineer. He resides in Poulsbo, Wash. •**R.J. Ritter, Jr.** (EE 91) manages the building automation systems at Trane Pacific Service. He lives in Kailua. He has two sons and his wife is entering Richardson School of Law this coming fall.

## ENGINEERING ALUMNI UPDATE

Name \_\_\_\_\_

Address \_\_\_\_\_ Phone Bus( ) \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip Code \_\_\_\_\_ Res( ) \_\_\_\_\_

Employer/Company \_\_\_\_\_

Job Title/Description \_\_\_\_\_

Year Graduated (BS) \_\_\_\_\_ Major (CE, EE, ME?) \_\_\_\_\_ Graduate degrees \_\_\_\_\_

News about children, marriages, promotions, hobbies, travel, etc.

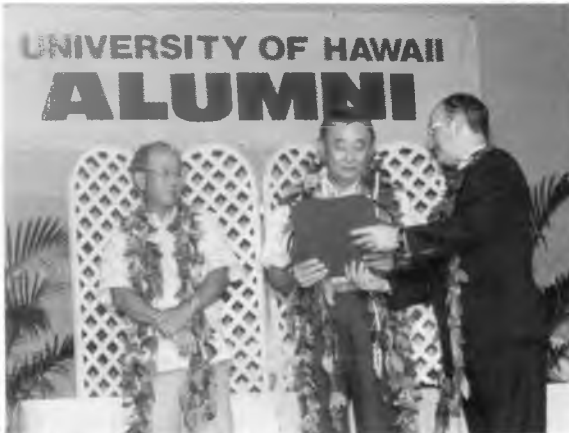
Please share what you are doing with your classmates. Send your news to : Newsletter Editor, College of Engineering, 2540 Dole Street, Holmes Hall 240, Honolulu, HI 96822.

If you want to join the Engineering Alumni Association or pay your 1994 dues, please use this form. Annual membership rate is \$10/year. Annual membership rates for the University of Hawaii Alumni Association are as follows: OAHU: Single - \$35, couple - \$45. MAINLAND/NEIGHBOR ISLANDS: Single - \$20, couple - \$30. Rates for Single and Couple Life Members are \$500 and \$800, respectively. \$10 of whatever category you choose will go to the Engineering Association for dual membership. Contact any of the officers listed on the last page of this newsletter for further information.

# Alumni News



Left to right: Mike Chun receives congratulations from Engineering Alumni Association officers Nami June Hamaguchi and Ryo Nakamoto.



Left right: UHAA President Donald Kim observes as Ben Taguchi receives a Distinguished Alumnus Award from University of Hawaii President Kenneth Mortimer.

**Michael Chun** (MSCE 68) and **Ben Taguchi** (CE 54) were among eight UH alumni recognized as UH Alumni Association (UHAA) 1994 Distinguished Alumni. The UHAA Distinguished Alumni represent the university's finest contribution to creating a better world.

Chun is currently president of the Kamehameha Schools and a non-compensated clinical professor in the Department of Public Health Sciences and Research Affiliate at the Water Resources Research Center. He was formerly an associate professor in the School of Public Health and the College of Engineering. In addition, he served as director of public works and chief engineer for the City and County of Honolulu. He was named 1990 Engineer of the Year by the Hawaii Society of Professional Engineers.

Chun has lent personal and professional expertise to a wide variety of boards and civic organizations. In 1993, the Hawaii Business and Professional Association (HBPA) awarded him the O'o Award for career accomplishment and community contributions. The HBPA is an organization dedicated to the advancement of Hawaiian people in industry, commerce and professions.

Taguchi presently works as a consulting engineer and a principal for SSFM Engineers, Inc. As former president and chief executive officer of M&E Pacific, he helped the firm expand into a major engineering presence in Asia and the Pacific Basin before retiring in 1992. In 1987, he was named Hawaii State Professional Engineer of the Year.

An active member of UHAA, Taguchi served as its president in 1991-1992 and vice president in 1989-1990. During his presidency, he initiated the highly successful UHAA Invitational Golf Tournament. He also served on the association's Strategic Planning Committee in 1991 and is a member of the UH Foundation President's Club.

The College of Engineering would like to congratulate Chun and Taguchi for their outstanding accomplishments.

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