



Yuletide cheer from Dean Young

That sigh of relief you just heard was from our students and faculty, many of whom are glad to have survived final exams week. About 71 of our undergraduate and graduate students are scheduled to receive their diplomas this month, culminating many years of hard work and study. We congratulate all of them on a job well done.

The other day it occurred to me how quickly the year has passed. With Thanksgiving now a memory, many of us are turning our attention to the holiday season, one of the most anticipated times of the year.

But before you read further in this issue, let me take a moment to highlight our many accomplishments during the past academic year.

- Accreditation: The Accreditation Board for Engineering and Technology (ABET) approved the continuing accreditation of our programs. This

reflects the hard work of our faculty and staff as well as the support of the UH administration, Legislature and professional community.

- Alumni golf tournament: Held at Honolulu Country Club, our popular tournament proved once again a success. The 180 alumni, friends and sponsors enjoyed one of the more memorable tournaments in recent years.

- New endowments and scholarship: The Geolabs-Hawaii Geotechnical Engineering Endowment and the Donald C.W. Kim Endowment for Engineering Student Activities were established this year. Ameron HC & D also joined the list of companies which have established scholarships for our students.

- Civil Engineering PhD program: The UH Board of Regents finally approved our long overdue PhD program

(continued on page 3)

Professor surveys Iniki damage

As weather forecasters nervously tracked the movements of Hurricane Iniki on the morning of September 11, 1992, Dr. Arthur Chiu already had a mental picture of the devastation that was to occur.

"I feared the worst," said Dr. Chiu, civil engineering professor and a leading authority on wind engineering.

His fear was well-founded. A decade earlier, he led a National Research Council (NRC) post-disaster survey team that inspected the damage

wrought by Hurricane Iwa. But most of the NRC's recommendations set forth in its report were not adopted, leaving Kauai buildings and residents at the mercy of Iniki's destructive winds.

"With very few exceptions, apparently many of the recommendations we made earlier were not implemented," Chiu said. "Based on Mainland prices, the recommendations we made would have totaled only 1.5 to 3 percent of construction costs."

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One of many homes on Kauai leveled by Hurricane Iniki. Photo by Ron Iwamoto, Richard Sato & Associates.

"Some people have not learned any lessons from Iwa. It was sad, sadder for me to see the same type of familiar problems."

Arthur Chiu, as quoted in the Honolulu Star Bulletin

Retirement a new chapter for respected ME faculty

One of the most respected and loved faculty members is retiring at the end of the Fall 1992 semester.

Dr. Hi Chang Chai, professor of mechanical engineering, is nearing the end of a memorable, 30-year academic career at the College. For him, retirement signals the start of a new chapter in life.

"The decision was hard but I'm approaching 70 years old and I need the energy to start a new life," he said.

Dr. Chai, who was admitted as a post baccalaureate unclassified student, will be taking music lessons at the university.

He was required to submit to the UH admissions office a copy of his undergraduate transcript from the University of Texas-Austin. An accomplished musician in those days, he received "A's" in a cappella choir and pipe organ music courses.

"I looked at the transcripts and laughed because I found two D's," he said. "I'll be going back to playing the piano and have to become a student again."

Dr. Chai, who was born in South Korea, earned his PhD from Ohio State University in 1957. During this time, he was a member of the school's table tennis team and a nationally-ranked ping pong player.

Since arriving at the College in 1963 as an associate professor, he has contributed heavily to the growth of the mechanical engineering department.

For one, he has compiled a list of all ME graduates. The list, which includes the names, grade point averages, class ranks and first employers of all graduates since the first class of 1962, is nearing 1,000.

In addition, he organized the ME honor society Pi Tau Sigma chapter in 1969 and served as its advisor for 17 years. He has also been the faculty advisor for ME senior students since 1982.

ME department chair Dr. Ping Cheng described Dr. Chai as an "honest, fair and caring" individual.

"He's been a stable force in the department for many years. He's always campaigned for the students'

"Helping out my students was my greatest accomplishment."

Dr. Hi Chang Chai, reflecting on his 30 years of teaching, research and service at the College.



Then: Dr. Chai as a young faculty member.

cause. He's irreplaceable and I will miss his wise counsel," he said.

Dr. Chai will perhaps be best remembered for his rapport with students and faculty.

"The students and faculty go to him with their problems," Dr. Cheng said. "He's a calm voice at faculty meetings and is one of the best teachers in the department."

Dr. Chai received the university's Excellence in Teaching award in 1989 and five ASME outstanding faculty awards.

One of his former students, ME assistant professor Lloyd Hihara,



Now: Nearing the end of a memorable career.

described Dr. Chai as someone who "always cared about his students."

"As the advisor for Pi Tau Sigma, he encouraged me to go to graduate school. There's something about him that makes him different. He's someone I can trust and go to for advice even today."

Dr. Chai will still remain in touch with the department. He will keep his office space and will continue to have lunch with the faculty in the department's conference room. He is also scheduled to teach a course in the Spring 1993 semester.

College representatives visit TRW, Motorola facilities

Dr. Reginald Young and Sheryl Nojima were on the road again in November, this time paying a visit to UH alumni and employees of TRW in California and Motorola in Arizona.

The team toured Motorola's Semiconductor Products Sector facilities and TRW's Space & Defense and Electronics & Technology divisions. It was their first visit to these companies.

The two companies have supported the College for many years now and are members of the College's Industrial Associates Program.

Motorola and TRW have also taken a liking to UH graduates. One Motorola executive described

UH engineers as "outstanding" and having a "high degree of persistence and a sense of purpose."

"We truly believe that the quality of their graduates is equal to or better than schools like Berkeley, Stanford and MIT," said Fred Miles, manager of university relations for Motorola's Semiconductor Products division. "They possess the type of skills that we look for in engineers." Motorola has recruited UH graduates for the past 15 years.

At TRW, many UH alumni hold upper level management positions within the company.

"We've held positions as project managers, department managers,

Iniki damages avoidable, says Dr. Chiu

(continued from page 1)

A week after Iniki, another joint post-disaster investigation team, sponsored by the Structural Engineers Association of Hawaii and headed by Dr. Chiu, arrived on Kauai. The 10-man, all-volunteer team spent two days observing the damages caused by the hurricane.

Dr. Chiu was also a member of the Wind Engineering Research Council's post-disaster survey team headed by Dr. Dale Perry from Texas A & M University.

The WERC team found that most structures – from resort hotels to multi- and single family dwellings to public buildings – suffered damage from high winds due to:

- Inadequate fastening of the roof covering.
- Poor anchorage of the roof systems to the walls.
- Weak connections of the stud walls to their foundations.
- The common practice of toe nailing roof rafters to walls and wall studs to the base.

As with Hurricane Iwa, flying debris from roofs and extensive water damage from the loss of roofs compounded the damage. Much of the wind-induced damage could have been prevented if the earlier recommendations were implemented.

Iniki's winds, as recorded from the Pacific Missile Range Facility at Barking Sands and Lihue Airport, were in the neighborhood of 90-100 miles per hour, according to the WERC team's preliminary report. These figures, Dr. Chiu said, are subject to change pending further investigations of available data.

In the aftermath of Iniki, Chiu feels that all is not lost.

"The biggest plus is that Kauai county is in the process of upgrading its building code. Adopting the 1991 Uniform Building Code along with the amendments in the Appendix should help to mitigate much of the damage due to high winds in the future."

Iniki team makes recommendations

Preliminary recommendations by the Structural Engineers Association of Hawaii (SEAOH) included the following:

- (1) Update and adopt applicable county building ordinances to the 1991 edition of the Uniform Building Code and its appendices.
- (2) Consider the topographic effects for increasing design wind velocity.
- (3) Build and retrofit in the structure a complete load path to resist all forces from the roof down to the foundation.
- (4) Build and retrofit in the structure sufficient resistance to forces of uplift.
- (5) Verify and inspect construction during site visitations by an A/E design professional, building department inspector or special inspector.
- (6) Provide and build proper uplift connections at the supporting elements for roof overhangs to resist uplift forces.
- (7) Reevaluate all roofing material specifications for fastening and installation to minimize against tear-off from the supporting structure and becoming a windborne projectile.

ture and becoming a windborne projectile.

(8) Build all architectural elements at the exterior envelope to resist the same wind forces as the structure. Fasten roof coverings with sufficient connectors to resist uplift forces which would detach it from the roof structure and attach frames to the surrounding structure to sufficiently transfer the wind loads from glazing elements to the supporting structure.

(9) Provide a proper foundation for "tofu" foundation (precast concrete footings), especially along the perimeter of the structure to resist all horizontal shear and uplift forces.

(10) Build pre-engineered buildings to conform to the Uniform Building Code.

(11) Retrofit and upgrade the safety of designated public shelters to resist wind forces and protect against windborne projectiles.

(12) Establish appropriate basic design wind speed.

(13) Create wind zonation maps to provide more definitive guidelines for wind speeds.

Seasons greetings from Dr. Young

(continued from page 1)

in civil engineering. The program began in the Fall 1992 semester.

• Lastly, a new-look newsletter: A recap of the year would not be complete without mentioning our revamped alumni newsletter. It was named the *Quadrangle*, in honor of the John Mason Young Engineering Quadrangle, the first home of engineering on the UHM campus.

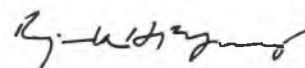
We look forward to similar successes in the coming year. We have kicked off our 1992-93 fund drive and are confident of matching and even beating the previous, record-breaking fund drive which brought in \$370,000 in annual gifts, pledges and endowments.

Look for the College to extend a greater role in cooperation with

private industry. To serve as that link between academia and the community, we are in the process of forming an advisory committee for the College to provide input to our planning and development.

Your continued interest and pride will influence the direction of our school and has shaped it into the major international institution that it is today.

On behalf of the faculty, staff and students, I wish you, your associates and your family a joyous Holiday Season and a prosperous New Year.



Reginald Young
Interim Dean

1992 marks the third year of Dr. Young's tenure as interim dean of the College. He has been a faculty member for 26 years.

Life is short, engineers play hard at basketball tourney

Who wants to be like Mike when you can just be yourself?

Engineering students and faculty of all shapes, sizes and abilities found that out to be true at the recent engineering basketball tournament. But besides working up a sweat, the tournament allowed students and faculty to socialize outside of a classroom and office setting.

"It was a way for everyone to get to know each other," said Todd Yamamura, senior mechanical engineering student and tournament organizer. "We wanted to have fun and meet our fellow engineers."

EE assistant professor Vassilis Syrmos said that playing basketball was a "nice way of socializing with the students." But he hopes the faculty team will improve its standing the next time around.

"We're looking forward to seeing them in future tournaments," he said. "But we have to

upgrade our team and make it better. They were in good physical condition, better trained and played good defense and offense."

Other faculty who laced up their shoes for the tournament were Joy Laskar, James Yee, Eun Sok Kim, Anthony Kuh, Alex Quilici and Vinod Malhotra. The seven faculty members formed a team and faced 14 other student teams in a double elimination tournament.

In the end, however, there was not enough time to complete the tournament, due to a 10 p.m. curfew. By 9:45 pm, the games were only three-fourths complete.

"We tried to rush it by making the games shorter but one player got injured and so we called it quits," Yamamura said. "No team was decided as the champion but everyone who participated were the winners."

This year's tournament, held at the university's Klum Gym, was



Dr. Vassilis Syrmos drives toward the basket and scores two points for the faculty.

sponsored by the student chapters of ASME, ASHRAE and Pi Tau Sigma.

Engineers must strive for perfection, says lawyer

"What do you have to do to protect yourself against liability? You have to avoid being even one percent at fault. You have to be perfect."

Edward A. Jaffe

The work of engineers must be "as close to perfect" as possible in order to avoid being held liable in the event of injury or damage, an attorney on engineering and law told a group of civil engineering students.

Edward A. Jaffe, a partner with the firm of Torkildson, Katz, Josssem, Fonseca, Jaffe, Moore & Hetherington, addressed the American Society of Civil Engineers (ASCE), UH student chapter, at its November meeting.



Edward A. Jaffe

Jaffe, who spoke on Joint and Several Liability, alerted students to a real world aspect of civil engineering, the likelihood of lawsuits. Joint and Several Liability, he said, occurs when damage is caused by two or more defendants acting independently.

"Suppose defendant one caused 99 percent of the plaintiff's damages and defendant two caused 1 percent. With joint and several liability, the plaintiff can recover up to 100 percent of the damages from any of the defendants, even from the defendant with 1 percent of liability," Jaffe said.

"You don't have to reach a situation where the other defendant goes bankrupt. All you have to do is be a better target and they're going to come knocking on your door first," he said.

And because engineers are insured and make good money, they are prime targets in such lawsuits, Jaffe said.

To minimize liability, Jaffe prescribed a perfect work performance as the cure against such lawsuits. However, he admitted that it is a tall order for even the biggest and best engineering firms.

"You're never going to achieve that no matter how good you are or how hard you try," he said. "Sewage systems, bridges, airport runways, roads and other massive projects designed by civil engineers have the potential to affect hundreds or thousands of people at once. You're looking at potentially massive exposure and liability."

Jaffe said many of the larger civil engineering firms have staff who implement policies and procedures to guard against mistakes and to make certain that proposals and recommendations are updated.

Jaffe, who earned his law degree from Northwestern University, has represented numerous engineering firms and has practiced law in Hawaii for 22 years.

Co-op students a good investment for many employers

Forget expensive recruiting trips to the Mainland or placing help wanted ads in the newspaper. For many engineering managers on the lookout for new hires, the best employees can be found right here at the College of Engineering.

Take, for example, the case of Colin Jones, energy recovery administrator at the City & County's H-Power Plant. During a busy and short-handed period last summer, he established a co-op program with the university and was paired with student Ronel Pulmano. It's a decision Jones does not regret.

"We were just absolutely tickled with Ronel's performance," he said. "His work ethic has been exemplary. He has worked here on weekends, nights and whenever there was something that he felt needed doing. He sees what needs doing, digs in and does it. I can find nothing about this young man that is not positive."

Okahara & Associates is a second company who recently began a co-op program. Like Jones, project manager Terry Nago of the Hilo-based firm is singing the praises of his co-op student, Allan Simeon.

"We were very pleased with his work here last summer," Nago said. "His engineering skills are very well developed at this point in his career. He was friendly, courteous and required very little supervision."

"We're very happy to get someone like Allan the first time around. It's really a benefit to the profession."

A third employer, Kenneth Sakai of RM Towill Corp., said his two co-op students – Brian Tyau and Michael Command – have also performed satisfactorily.

"They come to work when they're supposed to and finish an assigned task on the same day," said Sakai, vice president and chief engineer. "Just their being in co-op tells me that they're motivated and have certain goals in life."

Who exactly are these students who have gone above and beyond their supervisors' expectations? The majority of them are simply hardworking junior and senior level

students looking for a chance to put their engineering training to the test.

"I basically wanted to gain some experience in engineering," said Pulmano, H-Power's co-op student. "I got to meet real engineers and learned engineering skills while in the field."

Over 130 engineering students are currently signed up for the Co-op program and 30 are now placed with various government and private sector employers. The students are paid but they must complete at least two semesters of work. Many of them are also hired after completing their co-op position. One of them may be Simeon.

"We have indicated a desire to hire Allan on a permanent basis after he graduates," said Nago. "He would be a tremendous asset to our staff."



Ronel Pulmano

College reps tour TRW, Motorola

(continued from page 2)

section managers and senior technical staff members," said Donald Umemoto, section manager and a 1985 EE alumnus.

"It's a good reflection of how we've done within the corporate ladder."

As with earlier trips, Young and Nojima's visit gave them an opportunity to learn more about the

companies' operations and business climates.

"It helps us to identify possible avenues of interaction ranging from faculty research and training and student recruitment," Nojima said. "For example, Motorola offers technical training courses that would be beneficial for our faculty."

"We had a chance while at both companies to meet with our alumni. It's good for us to get feedback from

Congratulations to Aaron Oki (EE 83), Donald Umemoto (EE 85), and Frank Yamada (EE 84), each of whom received a Chairman's Award from TRW.



Dr. Young and Sheryl Nojima at a dinner with alumni from Motorola's Semiconductor Products Sector. Top row l to r: Eric Kawamoto (in white), Gordon Ma, Troy Stockstad, Renwin Yee. Second row: Kurt Sakamoto (in black), Glen Wong, Mike Kaneshiro (partially hidden), Richard Ida, Gordon Lee. Third row: Chris Chun (in white with suspenders), David Okada, Aileen Taomoto, Srini Srinivasen, Nandini Srinivasen, Clarence Nakata, Sharon Kitamura (partially hidden). Fourth row: Fred Miles, Sheryl Nojima, Dr. Reginald Young

Faculty and staff highlights

Research grants

Dr. James Aslanis

The National Science Foundation awarded Dr. Aslanis, assistant professor of electrical engineering, a grant for his project "Coding and Equalization for Storage Channels."

Dr. Lloyd Hihara

The National Science Foundation awarded Dr. Hihara, assistant professor of mechanical engineering, continued funding for his Presidential Young Investigator (PYI) award. He is doing research on the "Corrosion of Metal-Matrix Composites."

Dr. Anthony Kuh

The National Science Foundation awarded Dr. Kuh, associate professor of electrical engineering, continued funding from the National Science Foundation for his Presidential Young Investigator (PYI) award project "Analysis of Neural Network Models."

Dr. Tetsuichi Mitsuda

Hawaiian Electric Company awarded Dr. Mitsuda, professor of civil engineering, a grant for his "Wood Pole Research Project."

Dr. Peter Nicholson

The Hawaii State Department of Transportation awarded Dr. Nicholson, assistant professor of civil engineering, two grants for his projects entitled "Long Term Creep Effects of Some Residual Tropical Soils" and "An Investigation of the Liquefaction Potential of Calcareous Materials."

Dr. David Yun

The National Aeronautics and Space Administration (NASA) awarded Dr. David Yun, professor of electrical engineering, funding for his research on "Parallel Image Compression by Neural Networks." Dr. Yun's proposal was selected from the more than 200 proposals submitted in response to a NASA announcement for Research in High Performance Computing. Due to budget constraints, however, funding is not expected to be available until later in calendar year 1993.

Other honors

Dr. C.S. Papacostas

The professor of civil engineering was recently installed as 1992-93 president of the Hawaii Section of

the American Society of Civil Engineers. His goals as president are to seek employer support for younger member activities, expand participation in the activities of the Section's committees, heighten public involvement of civil engineers, promote continuing education opportunities and increase the section's representation on national committees. Together with civil engineering assistant professor Dr. Panos Prevedouros, he completed the second edition of a book entitled *Transportation Engineering and Planning* (please see article on this page). Last September, he attended the national Council of Presidents meeting held in conjunction with the 1992 ASCE International Convention in New York City. Dr. Papacostas also assisted the Washington Office of ASCE in their efforts to alert the media about the effects of Hurricane Iniki. In addition, he joined a steering committee to plan a national conference on hurricanes Andrew, Iniki and Omar. In a letter of appreciation to Dr. Papacostas, the national office wrote: "Your work was especially helpful in that you advanced the good name of ASCE and the work of civil engineers."

Visiting faculty



The Department of Mechanical Engineering welcomes its first Fulbright Fellow, **Dr. M.S. Malashetty**. He will be a visiting colleague until July 1993 and will be doing research on convective heat transfer in porous media. He is an assistant professor in the Department of Mathematics at Gulbarga University, India. His research interests are stability problems in porous medium and magnetohydrodynamic heat transfer. He enjoys tennis, reading and watching cricket, football and volleyball games.

CE professors author 2nd edition of successful textbook

After two years of hard work, Drs. C.S. Papacostas and Panos Prevedouros have completed the second edition of a widely-used transportation engineering textbook.

Entitled *Transportation Engineering and Planning*, the new book is the second edition to *Fundamentals of Transportation Engineering*, written in 1987 by Dr. Papacostas. Both editions are published by Prentice Hall and offered in international unabridged formats.

The second edition includes, in addition to updated material, several new chapters and sections on such topics as transportation modes, signalization technologies, urban transportation, pavements, and planning and traffic software packages. Both authors expect the second edition to be even more successful than the first, which became the textbook of choice for over 40

universities throughout the United States and in Singapore, India and the United Kingdom.

Dr. Papacostas originally took pen to paper when he realized the scarce number of well-written transportation engineering textbooks.

"Most of the textbooks I found were written by authors to impress their colleagues but did very little to help students," he said. "I read all of them that were available but I wasn't satisfied."

The first edition is being translated into Russian, while the second edition has gained acceptance at Northwestern University and the University of California-Davis. The University of Wisconsin will also use the book, Dr. Papacostas said. By 1993 it will fully replace the first edition.

"Students who master the book are ready for the world of transportation prac-



Dr. Prevedouros (left) and Dr. Papacostas

tice or advanced graduate study," said co-author Dr. Prevedouros.

Young, Nojima host luncheon, cheer on 'Bows



Above: UH alumni gather for a group photo at the Hanalei Hotel. (L to R) Kenneth Sakai (CE 66), Earl Kanehira (EE 67), Sheryl Nojima (CE 80), Reginald Young (CE 59), Rumelia Cortez, Malcolm Cortez (CE 82), George Chan (CE 87), Lisa Aizawa Chan (CE 87), Janet Wong, Sun Yet Wong (CE 54), Neal Fukumoto (CE 80), and Ernest Kim (EE 77).

Right: Dean Reginald Young and his wife Judy check the guest list at the UHAA tailgate party.



Dr. Reginald Young and Sheryl Nojima topped off their Mainland trip by hosting a brunch for a small group of UH engineering alumni at the Hanalei Hotel in San Diego.

Later that day, they enjoyed a bento lunch and mingled with fellow alumni and weekend warriors at the UHAA's Alumni and Friends Weekend tailgate party held at Jack Murphy Stadium.

A strong contingent of alumni from UHAA chapters in San Diego, Orange County and the San Francisco Bay Area showed their school spirit and pride by cheering on the UH Rainbow football team against rival San Diego State University.

Banquet set for HKN, IEEE

Eta Kappa Nu and the student chapter of the IEEE are planning a banquet to commemorate the 30th anniversary of the organizations at the University of Hawaii.

The banquet is scheduled for Saturday, April 10, 1993 at the Navy Officer's Club from 6:30 pm - 9:30 pm. The buffet dinner will be \$20 per person. To RSVP, please call (808) 956-3425 or write to: 30th Anniversary Banquet, c/o HKN, 2540 Dole Street, Holmes Hall 483, Honolulu, HI 96822.

UH College of Engineering Alumni News

1950

Salwynn S.W. Chinn (CE 59) is retired. He lives in Kailua. ● Harold Sato (CE 58) is a civil engineer with the City and County of Honolulu, Department of Public Works. He resides in Honolulu.

1960

Richard S.H. Wong (CE 61) is president of Royal Hawaiian Shopping Center, Inc. He lives in Honolulu. ● Randolph Murayama (ME 67) is president of Randolph H. Murayama & Associates, Inc. He resides in Honolulu. ● Bernard K. Takano (EE 67) is chief of the transmission networks division for the Defense Information Systems Agency, Pacific Area. He resides in Mililani. ● Stephen C.L. Wong (CE 69) is executive operating officer at Ideal Construction, Inc. He lives in Aiea.

1970

Charles M. Kinoshita (ME 72) is a researcher at the University of Hawaii-Manoa. He lives in Honolulu. ● Hiram M. Young (CE 72) is a project management engineer for the Department of Land and Natural Resources, Division of Water Resource Management. He lives in Honolulu. ● Masanobu Fujioka (CE 73) is principal in charge at Masa Fujioka & Associates. He resides in Honolulu. ● Michael Ogan (EE 76) is an officer with the United States Air Force. He was recently transferred to Hickam Air Force Base and is working as a foreign technology engineering. He lives in Honolulu. ● Stacy Otomo (CE 77) is president of Otomo Engineering Inc. His civil engineering consulting firm was founded in January 1992. He lives in Wailuku, Hawaii, with his wife Carole and children Jordan and Ashley. ● Lawton N. Kaya (CE 78) is a civil and structural engineering manager for the Navy Public Works Center, Pearl Harbor. He and his wife's third child, Landon, was born in September. He resides in Aiea. ●

(continued on next page)

ENGINEERING ALUMNI UPDATE

Name _____

Address _____ Phone Bus () _____

City _____ State _____ Zip Code _____ Res () _____

Employer/Company _____

Job Title/Description _____

Year Graduated (BS) _____ Major (CE, ME, EE?) _____ 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 St., Holmes Hall 240, Honolulu, HI 96822

If you would like to join the Engineering Alumni Association or pay your 1993 dues, please use the above form. Annual membership rates are as follows: Oahu: New Graduate - \$25, 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. Make your check payable to Engineering Alumni Association and mail to P.O. Box 12204, Honolulu, HI 96828.

College of Engineering alumni news

Melvin Arakaki (CE 79) is a civil engineer with the U.S. Army Corps of Engineers. He makes his home in Fairfax, Virginia.

1980

Bruce K.F. Young (ME 80) is a physicist at the University of California-Davis, Lawrence Livermore National Laboratory. He lives in Livermore, California. ● **Aaron Oki** (EE 83) is a section head, Heterojunction Bipolar Transistor product engineering, at TRW. He received TRW's Chairman Award, one of three recently given to UH engineering alumni. He resides in Torrance, California.

● **Frank Yamada** (EE 84) is a Heterojunction Bipolar Transistor Product Engineer at TRW. He also received TRW's Chairman Award. ● **William M. Shontell III** (CE 85) is project engineer at Nansay Hawaii Inc. He was previously an engineer for Hawaiian Dredging and Construction Company. ● **Donald Umemoto** (EE 85) is section manager of the Process Engineering Department at TRW. He is the third alumni who recently received TRW's Chairman Award. He resides in Manhattan Beach, California. ● **John Beauchemin** (ME 87) is the lead quality facilitator, AF SDI Programs for the USAF Space Systems Division, Los Angeles. He resides in Torrance, California. ● **Raymond W. Chun** (EE 87) is an electronics engineer at Naval Ship Weapon Systems Engineering Sta-

tion. He lives in Oxnard, California. ● **Ronald M. Flegal** (ME 87) is an instructor of physics and engineering at Leeward Community College. He lives in Mililani. ● **Jay Hashimoto** (EE 87) is an electrical engineer for the Public Works Center, Pearl Harbor. He lives in Honolulu. ● **James Kurata** (EE 87) is an electrical engineer at Ronald N.S. Ho & Associates. He resides in Aiea. ● **Linda N. Monden** (CE 87) is an attorney at Carlsmith Ball Wichman Murray Case Mukai & Ichiki. She makes her home in Kula, Maui. ● **Chien-i Jim Chang** (EE 88) is a systems engineer at ARINC Research Corporation. He received his master's in electrical engineering from the University of California-Irvine in June 1991. He resides in Irvine, California. ● **Peter Espinosa** (CE 88) is a project engineer at Pan-Pacific Construction, Inc. He spent the past two years working at the Kihei Water Reclamation Plant in Kihei, Maui. He lives in Aiea. ● **Albert J. Fobel** (CE 88) is a structural engineer at Robert Englekirk Inc. He lives in Kailua. ● **Gerald Iseri, Jr.** (EE 88) is a Software Engineer II at Motorola. He makes his home in Scottsdale, Arizona. ● **Kinsey H. Kim** (ME 88) is a project engineer for Hawaiian Dredging & Construction Co. He lives in Mililani. ● **Michele S. Okihiro** (CE 88) received an Outstanding Student Paper Award for a paper entitled "Infragravity Bound

Waves in Shallow and Deep Water," which was presented at the AGU Fall 1991 Meeting. She is currently working toward her doctorate in oceanography at the University of California at San Diego. She lives in La Jolla, California. ● **Elton K. Saito** (CE 88) is a civil engineer at Tom Nance Water Resources Engineering. He resides in Aiea. ●

1990

Jacques Bargiel (EE 90) is a manufacturing engineer for Progress Software Corporation. He is applying to graduate school for a Master's degree in computer science at Boston University. He makes his home in Malden, Massachusetts. ● **Steven Chomko** (ME 90) is a Ships Test Director at Pearl Harbor Naval Shipyard, Production Department. His second daughter, Jennifer, was born on January 1, 1992. He makes his home in Mililani. ● **Reid H. Shizumura** (EE 90) is a signal processing and neural networks engineer at Orincon Corp. He lives in Kaneohe. ● **Diane Kodama** (CE 91) is a junior engineer at R.M. Towill Corp. She resides in Aiea. ● **Glenn Kurashima** (CE 91) is a civil engineer with Sam O. Hirota, Inc. He resides in Aiea. ● **Kely E. Ramos** (CE 91) is a civil engineer with the Honolulu City & County of Honolulu, Board of Water Supply. She lives in Honolulu.

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