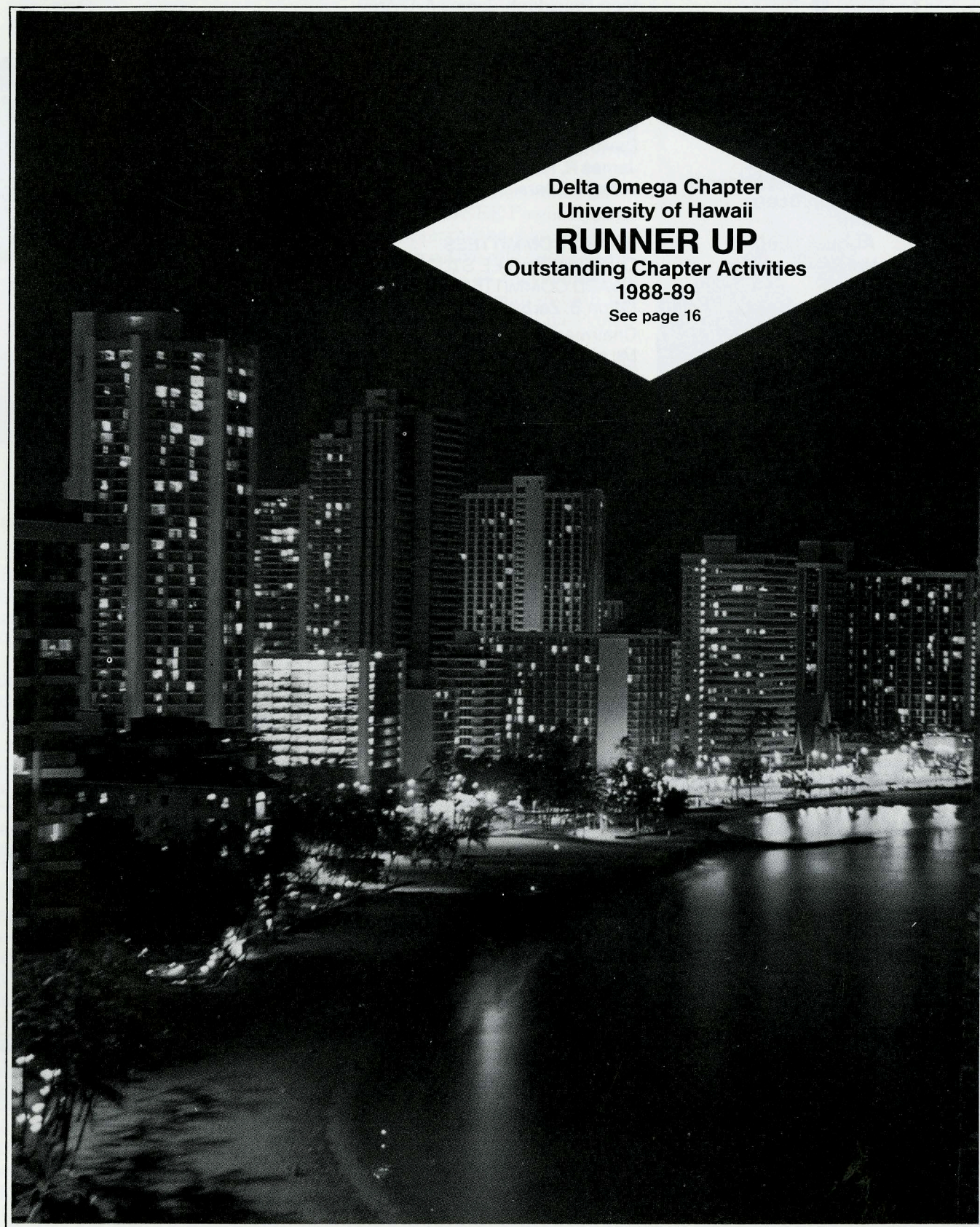
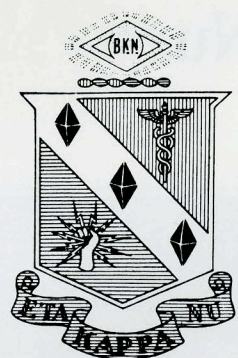


# BRIDGE of Eta Kappa Nu

Delta Omega Chapter  
University of Hawaii  
**RUNNER UP**  
Outstanding Chapter Activities  
1988-89  
See page 16







**Editor and Business Manager**  
**J. Robert Betten**

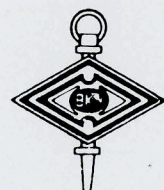
**August 1990**  
**Vol 86—No. 4**

**Contributing Editors**

**Robert Arehart**

**Irving Engelson**

**Alan Lefkow**



The BRIDGE is published by the Eta Kappa Nu Association, an electrical engineering honor society. Eta Kappa Nu was founded at the University of Illinois, Urbana, October 28, 1904, that those in the profession of electrical engineering, who, by their attainments in college or in practice, have manifested a deep interest and marked ability in their chosen life work, may be brought into closer union so as to foster a spirit of liberal culture in the engineering colleges and to mark in an outstanding manner those who, as students in electrical engineering, have conferred honor on their Alma Maters by distinguished scholarship activities, leadership and exemplary character and to help these students progress by association with alumni who have attained prominence.

The BRIDGE is published four times annually—November, February, May, August and is published by Eta Kappa Nu, Haywood Printing Company, 5th & Ferry Sts., Lafayette, Indiana. Second class postage paid at Lafayette, Indiana. Eta Kappa Nu Association, Subscription price: three years, \$9, Life Subscription, \$36.

Address editorial and subscription correspondence and changes of address to:

**HKN BRIDGE, P.O. Box 2107**  
**Rolla, MO 65401**

**Postmaster: Send address changes**  
**to: HKN Bridge, P.O. Box 2107, Rolla,**  
**MO 65401.**

#### **INTERNATIONAL EXECUTIVE COUNCIL**

President—Robert F. Arehart  
Vice-President—James A. D'Arcy  
Executive Secretary—J. Robert Betten

#### **INTERNATIONAL BOARD OF DIRECTORS**

Bruce P. Johnson  
David G. Meyer  
James R. Rowland  
John H. Spare

#### **AWARD COMMITTEES**

**OUTSTANDING EE STUDENT  
AWARD COMMITTEE**  
(Alton B. Zerby Award)

Chairman:  
Mr. Marcus D. Dodson, P.E.  
Consulting Engineer  
9302 Grindlay Street  
Cypress, CA 90630

**OUTSTANDING EE JUNIOR  
AWARD COMMITTEE**  
(Norman R. Carson Award)

Chairperson:  
Ms. Laureen Parker  
13030 Silver Creek Drive  
Austin, TX 78727

**OUTSTANDING YOUNG EE  
AWARD COMMITTEE**

Chairman:  
Mr. Michael R. Hajny  
Vice-President Engineering  
Scientific Columbus, Inc.  
1900 Arlingate Lane  
Columbus, OH 43228

**OUTSTANDING TEACHING  
AWARD COMMITTEE**  
(C. Holmes MacDonald Award)

Chairman:  
Mr. Robert F. Arehart  
720 Emerson Street  
Philadelphia, PA 19111

**OUTSTANDING CHAPTER  
ACTIVITIES AWARD COMMITTEE**

Chairman:  
Mr. Alan Lefkow  
17 Jacobs Road  
Thiells, NY 10984

## **Contents**

### **Feature Articles**

**8** 1989 OYEE Dinner  
New Brunswick, N.J.

### **Announcements**

**3** New Officers and  
Directors

**5** Barry Horowitz: MITRE  
President-Elect

### **Awards**

**16** Outstanding Chapter  
Activities Award

### **New Chapters**

**7** Iota Phi Chapter, United  
States Military Academy,  
West Point, New York

## **NOTICE**

### **THE NEW HKN**

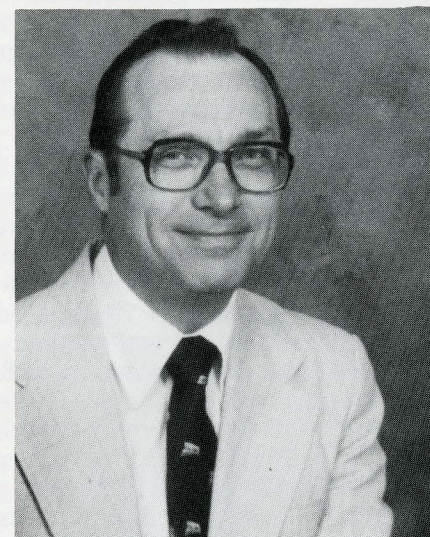
### **MEMBERSHIP FEE**

**IS**

**\$23**

**which includes a 2 year initial  
subscription to BRIDGE as deter-  
mined in the 1989-90 HKN Mail  
Convention.**

# **NEW OFFICERS AND DIRECTORS**



**Robert F. Arehart**  
**President**

Robert F. Arehart was born in West Philadelphia, Pennsylvania on August 19, 1926. In his early years he moved to the Northeast section of the city where he still resides today in an old section known as Fox Chase.

After finishing high school in 1944, he enlisted and served two years in the U.S. Navy before entering Drexel University in 1946. During the junior year of his five year cooperative education program at Drexel, he was elected to the Beta Alpha Chapter of HKN.

On two industry periods, Bob was assigned to work at Philadelphia Electric Company. With the benefit derived from his industry periods with the Philadelphia utility, Bob joined the company upon his Drexel graduation in 1951 with a BS in EE.

He has devoted his whole career to the application of relays for the protection of all elements of the power utility. Last year he retired after serving thirty-seven years with PECO, the last twelve of which he was a Supervising Engineer in charge of system protection.

During his career as a Protective Relay Engineer, he served eight years on the Relay Committee of the Pennsylvania Electric Association, the last two years, 1975-1977 as Chairman.

In 1979 he was selected for membership on the IEEE Power System Relaying Committee where he continued in an active role until December 1988. While on this committee he served as Chairman of both the Rotating Machinery and Line Protection Subcommittees.

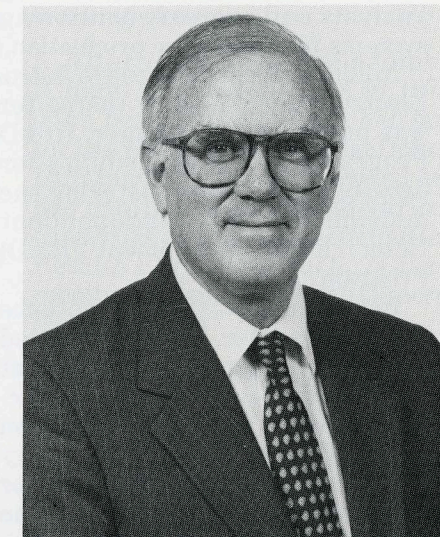
Bob returned to the Pennsylvania Electric Association as Engineering Section Officer in 1981. He completed this assignment in 1985 after serving two years as Chairman of the Engineering Section.

In addition to Eta Kappa Nu, he was elected to Tau Beta Pi and Phi Kappa Phi while at Drexel. He is a member of the Engineers' Club of Philadelphia and a registered Professional Engineer in the Commonwealth of Pennsylvania. He is also a member of the National Society of Professional Engineers.

Shortly after graduating from college, Bob joined the Philadelphia Alumni Chapter of HKN and has been active in the luncheon group ever since. In 1970-71, he was the Chapter President. Bob has recently become Chairman of the HKN C. Holmes MacDonald Outstanding Teaching Award Committee.

Bob has served on the Council of his church for over thirty years, ten years of which he was treasurer. He has served as Vice President of Church Council and since his retirement has become Chairman of the Property Committee.

Bob married Helen while still in college and this year they celebrate the 42nd year of their marriage. All three of their children are married; two live close by in Philadelphia, one lives in Wilton, Connecticut. Four grandsons have joined the Arehart Family.



**James A. D'Arcy**  
**Vice President**

James A. D'Arcy was born in Philadelphia, Pennsylvania on April 8, 1937. He received his B.E.E. degree from Villanova University in 1959 and his M.S.E.E. degree from the University of Pennsylvania in 1964. He is a member of Eta Kappa Nu, Tau Beta Pi, IEEE, and the Engineers' Club of Philadelphia. He is a registered Professional Engineer in Pennsylvania and in New Jersey.

He joined RCA Corporation in 1959 as an Electrical Engineer and was assigned to the Broadcast Television Section (Camden, N.J.), working on such projects as the Closed Circuit TV System for the nuclear ship Savannah. In 1963 he was reassigned to RCA Astro-Electronics (East Windsor, N.J.) where he was involved in the development and space qualification of special satellite television systems. These included: a dielectric tape camera system (a combination of TV camera and electrostatic tape recorder; the high resolution television camera system (Return Beam Vidicon type) for the Landsat (Earth Resources) series of satellites; and



the Ground Checkout Equipment for the Shuttle's Closed Circuit TV System.

In 1979, he was transferred to RCA VideoDisc Operations in Indianapolis as a Member of the Engineering Staff, where he was involved in the development of computer-based manufacturing analysis and process monitoring systems for VideoDisc production.

In June 1984, he returned to Astro-Electronics and shortly thereafter was promoted to Manager, IR&D Programs with responsibility for developing and administering the multimillion dollar Independent Research and Development (IR&D) Program.

In August 1987, subsequent to the GE/RCA merger, he was appointed Manager, Technology Management and Planning for the General Electric Company Astro-Space Division (East Windsor, N.J. and Valley Forge, PA) with responsibilities for the division's IR&D Program, The Advanced Course in Engineering, and the Engineering Excellence Program.

In August 1989, Mr. D'Arcy was appointed to his current position as Manager, Systems Engineering, Space Video Programs, Astro-Space Division of General Electric Company. His responsibilities include defining new Space Video (Television) Systems.

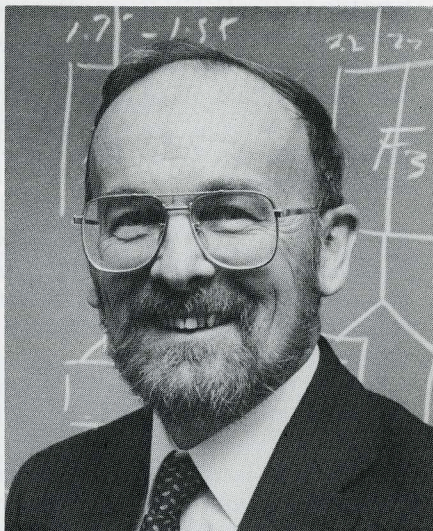
During his professional career, Mr. D'Arcy has published several technical articles and has been involved in various technical societies and activities. He was active in the Young Engineers' Organization of the Engineers' Club of Philadelphia, serving in various offices including President of the Young Engineers (1969-1979), and he received the Outstanding Young Engineers' Award in 1967.

Since 1974, he has been a Member of the Eta Kappa Nu Award Organization Committee (Outstanding Young Electrical Engineer Award) and served as chairman from 1979 until April 1985. During the period 1985-86, he was Chairman of the 50th Anniversary Celebration of the Award. He was a Member of the Board of Directors of Eta Kappa Nu between 1983 and 1985.

He was a member of the Engineering Excellence Committee of

RCA Astro-Electronics for several years, serving as chairman on two occasions. He was appointed a charter member of the Technical Excellence Committee of RCA VideoDisc Operations when it was being formed in 1980 and served as the first chairman of this committee in 1981. In July 1985, he was appointed Management Advisor of the Astro Engineering Excellence Committee and served in that capacity until August 1989.

Jim and his wife, Beatrice, now live in Abington, PA with their four children.



**Bruce P. Johnson**  
**Director**

Born in Lewiston, Maine on August 8, 1938, Bruce attended Bates College where he majored in Physics and developed a love for electronics which included building stereo systems out of World War II surplus electronics. Following graduation in 1960, he attended the University of New Hampshire where he began to focus on solid state transport properties of semiconductor materials at elevated temperatures receiving an M.S. degree in Physics in 1963.

In 1962 he joined the Physics Department at Hobart and William Smith Colleges in Geneva, N.Y., where he taught for two years. He enrolled at the University of Missouri, Columbia in 1964 where he studied the transport properties of strontium oxide, a major component in oxide coated cathodes for thermionic emission. Completing his

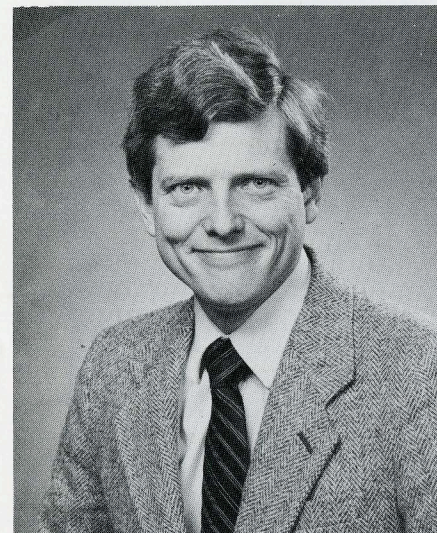
Ph.D. in 1967, he joined the Advanced Engineering Laboratory of General Electric's Medical System Division in Milwaukee, Wisconsin where he worked on non-conventional x-ray image processing systems and techniques. In 1970, he transferred to the General Electric Lamp Division at Nela Park in Cleveland where he headed up a materials engineering group responsible for the research and development of light emitting diodes and displays.

In 1974, he joined the faculty of the Electrical Engineering/Computer Science Department at the University of Nevada, Reno as an Associate Professor with responsibility for courses in integrated circuit design, device electronics, and computer engineering. In 1978, he was elected Chairman of the Department and served through 1983 with promotion to Full Professor occurring in 1981. With the generous assistance of Marcus Dodson, he created the Theta Psi Chapter of Eta Kappa Nu at UNR in 1982 and has served as Chapter advisor since that time.

In 1978, Bruce was appointed by President Jimmy Carter to the United States Metric Board where he served two terms. During part of this service, he was Chair of the Board's Research Committee. He has also been active in IEEE as student chapter advisor, Chairman of the Northern Nevada Section of IEEE, and for the past six years has served as Region 6 Central Area Student Activities Coordinator. In 1984 he was elected President of the Northern Nevada Chapter of Sigma Xi, the Scientific Research Honor Society. He is currently a Director of the Nevada Innovation, Technology and Entrepreneur Council and Chairman of the Nevada Inventor of the Year Committee.

His present research interests include high frequency electronics and computer modeling of electronics devices and circuits. He currently teaches courses in RF receiver design, electronic CAD/CAM for minimization of EMI problems, integrated circuit design, and analog circuit design. Bruce has about thirty publications and is currently writing a book on RF receiver design.

He and his wife, Marcia, have four children with two in high school, one finishing a Ph.D. in Psychology, and one managing a restaurant. Marcia is an R.N. at Washoe Medical Center in Reno and works in rehabilitation. Tennis is Bruce's chief focus when not involved in the exciting field of electrical engineering.



**John H. Spare**  
**Director**

John H. Spare, Jr. was born in Philadelphia, Pennsylvania on July 17, 1944. After attending junior and senior high in St. Louis he enrolled in Electrical Engineering at Carnegie-Mellon University (then Carnegie Institute of Technology) in

Pittsburgh and continued with graduate school at the University of Pennsylvania in Philadelphia. He now resides in the Philadelphia area, Swarthmore, Pennsylvania.

John received his BSEE degree in 1966 from Carnegie Tech where he had been initiated into the Sigma Chapter of HKN. He continued in Systems Engineering at Penn where he received his MSEE degree in 1969 and PhD in 1975. Starting in 1970 he spent several summers working in the Research Department of Philadelphia Electric Company where he also began working permanently in 1973. John has had numerous responsibilities as an engineer and supervisor including:

- Power Plant work
  - Dynamic modeling and control analysis
  - Availability modeling
  - Life extension program development
- Power System work
  - Dynamic simulation for regional load frequency control
  - Generation system planning and reliability analysis
  - Security assessment and monitoring
  - Least cost planning
  - Peak load forecasting
- Engineering Projects
  - Project management
  - Project reliability analysis

## **Horowitz** **Elected MITRE** **President**

Dr. Barry M. Horowitz of Sudbury, Mass., has been elected President and Chief Executive Officer of the MITRE Corporation, located in Bedford, Mass. and McLean, Va. He will assume his new position at the annual meeting of the corporation next October, following the retirement of Charles A. Zraket, MITRE's current President and Chief Executive Officer. The announcement was made by James R. Schlesinger, former Secretary of Defense and Energy, and Chairman of MITRE's Board of Trustees.

Dr. Horowitz is currently MITRE's Executive Vice President and Chief Operating Officer. He became a member of the company's Board of Trustees in February 1989.

MITRE is an independent, not-for-profit system engineering firm engaged in scientific and technical activities for the public benefit under contract to various government agencies.

Dr. Horowitz joined MITRE in 1969. He first worked on air traffic control engineering in the civil systems area. Later, he rose through the technical managerial ranks culminating in his promotion in 1986 to Group Vice President and General Manager of the C<sup>3</sup>I Group for Air

Force Systems. He became Executive Vice President in 1987.

Dr. Horowitz received a Bachelor of Science degree in electrical engineering from the then City College of New York and a Master of Science as well as a PhD in electrical engineering from New York University. He is a member of the Eta Kappa Nu and Tau Beta Pi engineering honor societies and a former chapter president of the Armed Forces Communications and Electronics Association. He is also a consultant to the Defense Science Board and the Air Force Scientific Advisory Board.

From 1979 to 1989 John has been involved in all phases of the IEEE Power Industry Computer Applications Conference, last serving as Executive Chairman. He has also chaired the Philadelphia Chapter of the IEEE Control Society and has served on other IEEE Power Engineering Society subcommittees and working groups.

After joining the Philadelphia Alumni Chapter of HKN in 1975, John became the award chairman for the HKN C. Holmes MacDonald Outstanding Teaching Award and has continued serving in various capacities on the award committee. Besides Eta Kappa Nu, he is also a member of Tau Beta Pi and Omicron Delta Kappa.

For twenty years John has been active in his church in youth work, and has served as adult and college class teacher, Sunday School Superintendent, and on the Board of Elders. He is also Chairman of the Board for a local nonprofit mental health counseling program, Evangelical Community Services.

He and his wife Kathleen have four children, Patrick, Daniel, and twins, Lauren and Allison. Kathleen taught elementary school for eight years and is currently active in school volunteer programs and an art enrichment program. She also is a member of her church bell choir.

Dr. Horowitz is married to the former Sheryl Lang and has two children, Hillary and Charles.



## Iota Phi Chapter Installed

United States Military Academy

at West Point, New York

by Robert F. Arehart



Colonel Stanley Reinhart and Robert Arehart with new chapter officers from l to r: Cadets Michael Hustead, Treasurer; William Reinhart, Secretary; Robert Reppa, President and Gregory Recker, Vice President.



**Charter Presentation**  
Colonel Stanley E. Reinhart, Jr. receives charter from Robert Arehart

History was in the making on Monday, May 7, 1990 when the most recent new chapter, IOTA PHI, was installed at the United States Military Academy which overlooks the Hudson River at West Point in New York State.

Although the honor society, Phi Kappa Phi, is on the Academy campus, this installation marked the establishment of the first honor society of a specific engineering discipline at West Point.

The initiation ceremony took place in the Regimental room of the cadet dining facility which is festooned with the colorful coat of arms and shields of the many army regiments.

National Vice President, Robert F. Arehart was in attendance and presented the chapter charter to Colonel Stanley E. Reinhart, Jr., head of the Department of Electrical Engineering and Computer Science.

Following dinner for all in attendance, the initiation ritual was conducted by Robert Arehart, who was given the honor of serving as Wheatstone. Other faculty members who served on the initiation team were: Col. Stanley Reinhart, Faraday; Major Glen Long, Ampere; Major David McClung, Ohm; Major Edward Siomacco, Volta and Lt. Col. Joseph Jolda, Faculty Advisor and shield projectionist.

Fifteen cadets were inducted as students and fourteen faculty members were inducted as professional

members. The charter members are:

### Faculty

Paul F. Barber  
Jeffrey B. Blyth  
Glen P. Dudevoir  
Bernard F. Gerasimas Jr.  
Ronald J. Hayne  
Steven J. Janis  
Hon C. Kwan Jr.  
William D. Lane  
Daniel M. Litynski  
John E. Oristian  
Edwin D. Patterson Jr.  
Steve Pavlica  
David J. Smith  
Kurt E. Webber

### Cadets

Jonathan T. Boyer-Kendrick  
Brian W. Cannon  
Brian J. Conjelko  
Alexandre S. Clug  
David P. Doane  
Steven C. Durham  
Michael J. Hustead—  
Treasurer  
Bruce A. Kososki  
Brian M. Layton  
Richard J. Meehan  
Gregory S. Recker—  
Vice Pres.  
William H. Reinhart—  
Secretary  
Robert S. Reppa—  
President  
Michael F. Traver  
Juan K. Ulloa

Much credit is due to the untiring efforts of Major Edward Siomacco in bringing an HKN chapter to West Point. He was given much enthusiastic support by Lt. Col. Joseph Jolda, the new chapter Faculty Advisor, and Colonel Stanley Reinhart, Jr., the EE & CS Department Head.



New Brunswick...

# OYEE AWARD DINNER

by Irving Engelson

Chairman Award Organization Committee

with photos

by Howard H. Sheppard

1989 marked the 54th anniversary of the Outstanding Young Electrical Engineer of the Year Award. The awards banquet was held at the Hyatt Regency, New Brunswick, New Jersey on April 23, 1990. Robert A. Bartolini, a member of the Award Organization Committee, was Master of Ceremonies. The awards were presented by Robert J. Kennerknecht, 1989 President of Eta Kappa Nu. The keynote address was presented by Carleton A. Bayless, 1990 President of The Institute of Electrical and Electronics Engineers, Inc. (IEEE).

The Outstanding Young Electrical Engineer Award for 1989 went to Stanley M. Yuen, a Principal Member of the Engineering Staff at the General Electric Company in Moorestown, New Jersey. Dr. Yuen was recognized for his "outstanding contributions to radar signal processing, and his leadership in community activities."

Honorable Mention was awarded to Carl N. Nett, Associate Professor at the Georgia Institute of Technology, for his "significant contributions to control systems research and applications, and his support of cultural and community activities." At the time of his nomination, Dr. Nett was employed at the General Electric Company, Schenectady, New York. In addition, six engineers were recognized as finalists: Gagan L. Choudhury, Holmdel, NJ; Mark J. Rich, Menlo Park, CA; William P. Risk, San Jose, CA; Bradley S. Rubin, Rochester, MN; Sally Jo Thoman, Redondo Beach, CA; and David L. Tuomenoksa, Freehold, NJ.

During the evening ceremony, the ideals of Eta Kappa Nu were often mentioned and often praised. Carleton Bayless noted that "Eta Kappa Nu concentrates not only on academic and technical achievements, but also on societal achievements

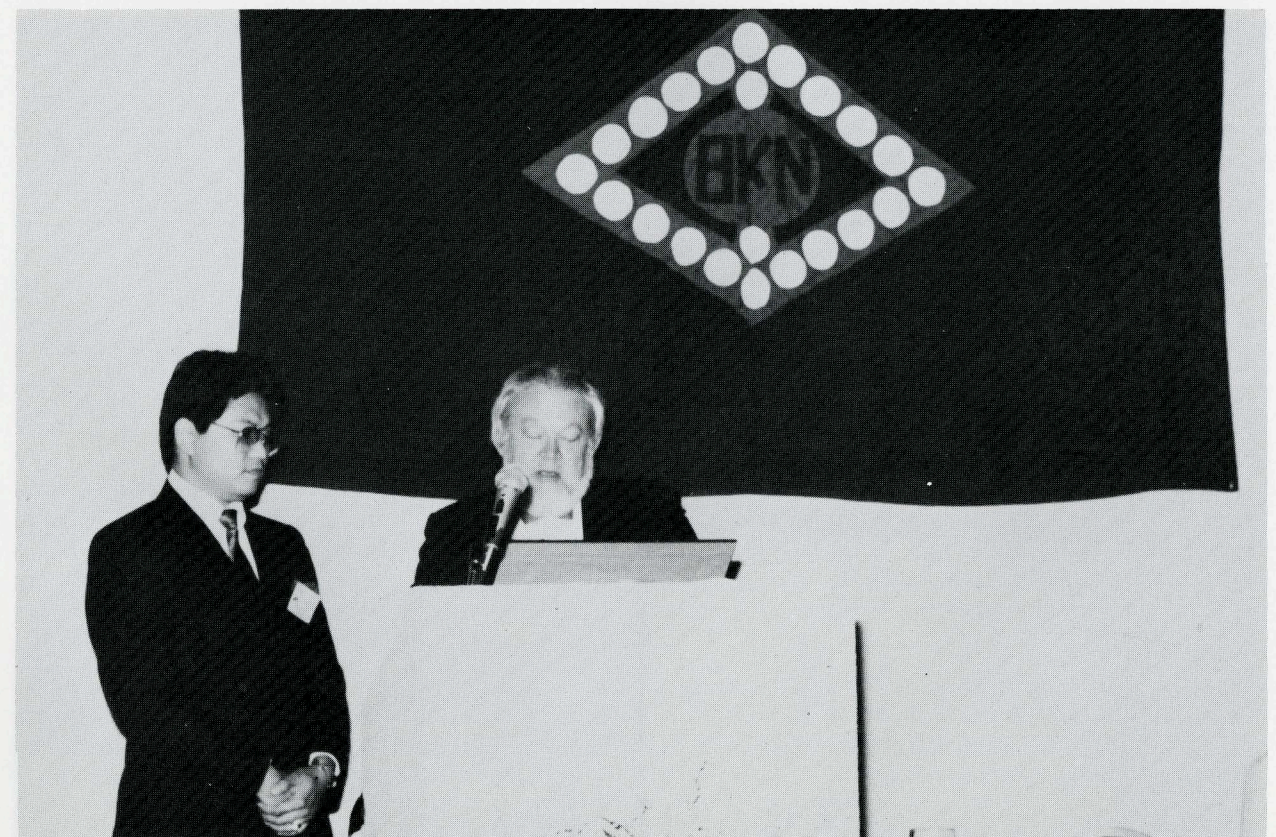
and cultural interests." He compared the Eta Kappa Nu member to a "renaissance person." Dr. Yuen noted that "having opportunities available to you is not enough, someone has to help you develop the good human character so that you can do the right things with that opportunity."

And in a highlight of the evening, Dr. Bartolini read a letter from United States President George Bush. In speaking about Dr. Yuen's achievements, President Bush noted "the contributions he has made and the important work he has done in the field of engineering are outstanding accomplishments, but they tell only part of the story of this outstanding individual."

Mr. Howard H. Sheppard, a Past President of Eta Kappa Nu, acted as photographer for the event. Mr. Sheppard has demonstrated his excellent photographic talents during many past banquets.

Other members of the audience included the Eta Kappa Nu Board of Directors, leaders from industry and academe, and members and friends of Eta Kappa Nu. Ambassador Weng Fu Pei of the Consulate General of the People's Republic of China was also a guest at the dinner.

For the past five years, I have had the privilege of chairing the Outstanding Young Electrical Engineer of the Year Award Organization Committee, which I first joined as a member in 1966. Although I will continue as a member of the Committee, my term of office as chairman is now over. I am taking this opportunity to acknowledge the assistance of my fellow committee members, whose dedication and support helped assure a successful awards program.

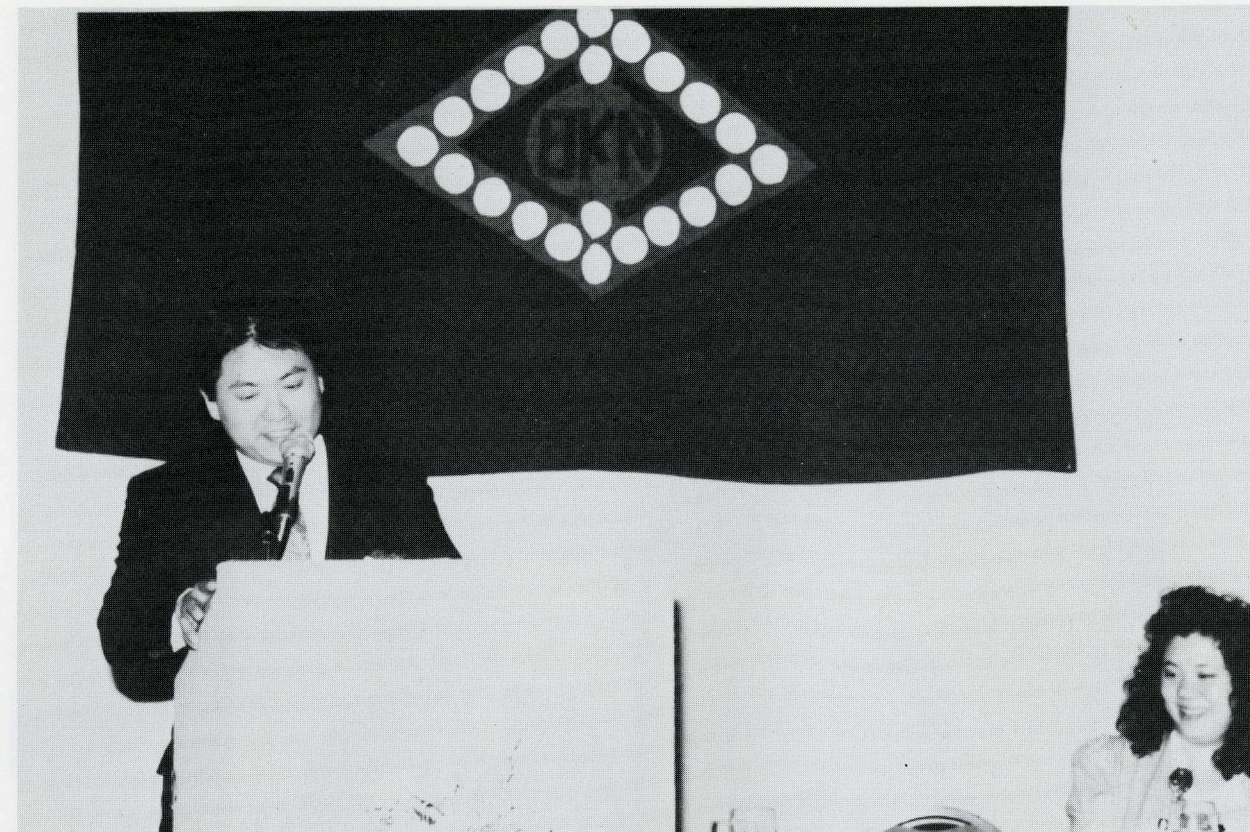


Photos: At top, John Fogleboch of the General Electric Company introduces the 1989 OYEE Winner, Dr. Stanley Yuen, who is seated beside his wife. At bottom, 1989-90 HKN President, Robert J. Kennerknecht, presents OYEE Winner's Certificate to Dr. Yuen.





Photos: At top, HKN President, Robert J. Kennerknecht, describes the commemorative silver bowl to the 1989 OYEE Winner, Stanley Yuen. At bottom, Master of Ceremonies, Bob Bartolini, Sarnoff Research Center, reads congratulatory letter from United States President, George Bush, as OYEE Winner, Stanley Yuen, and wife listen.



Photos: At top, Dr. Stanley Yuen, 1989 OYEE Winner, provides responsive remarks to the audience as his wife observes this touching moment. At bottom, Dr. Yuen and his wife display the engraved silver bowl which records this historical event.



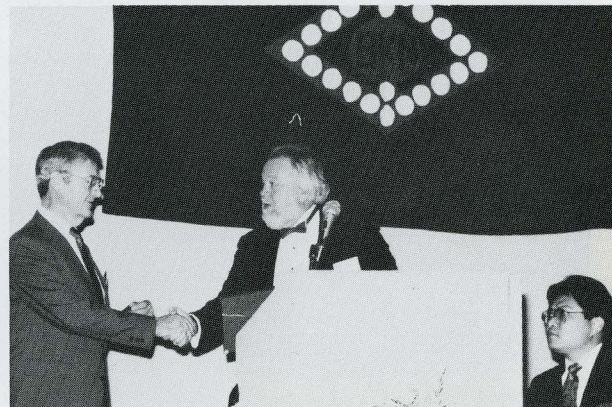
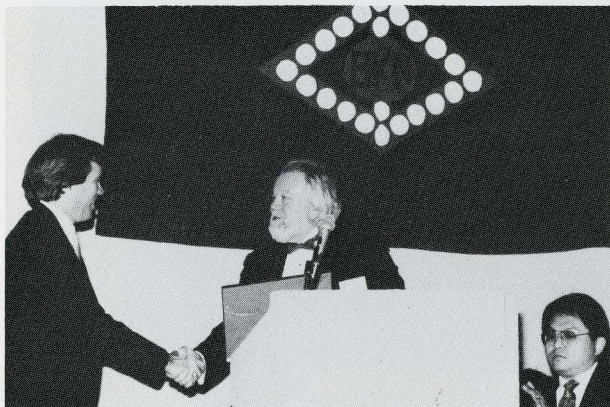
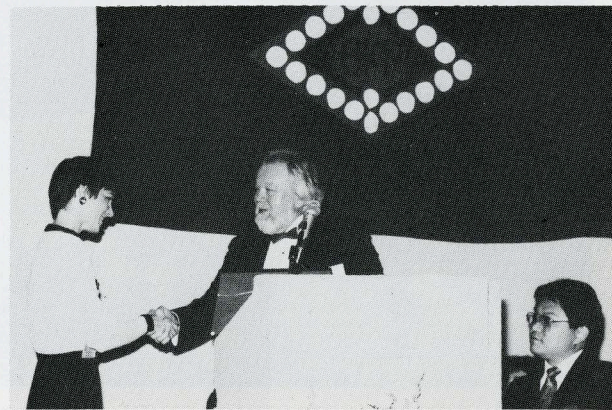
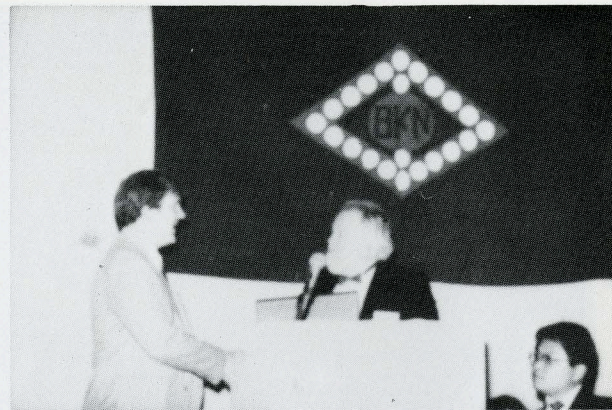


Photos: At top, John F. Cassidy, United Technologies, introduces the 1989 OYEE Honorable Mention Winner, Dr. Carl N. Nett, as the Yuens listen. At bottom, Carl Nett receives congratulations as he is presented the OYEE commemorative certificate by HKN President, Robert J. Kennerknecht.

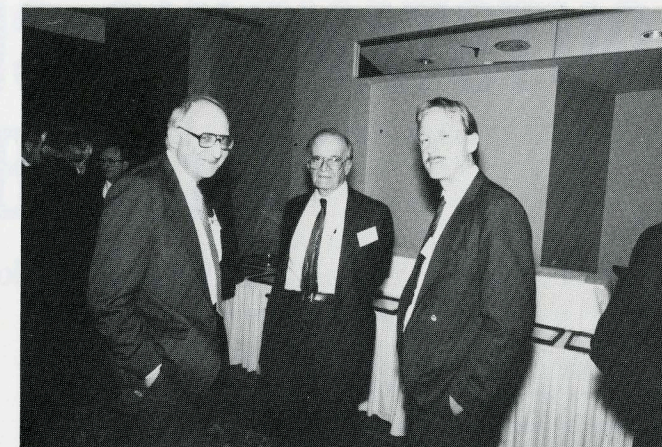


Photos: At top, Dr. Carl Nett, Honorable Mention Winner, responds to OYEE audience as the Yuens observe. At bottom, Carleton Bayless, IEEE President, provides keynote address on this important occasion.





Photos: (Above) HKN President, Robert J. Kennerknecht, presents 1989 OYEE Finalist Awards. The recipients are: at top left, Gagan L. Choudhury; at top right, Mark J. Rich; at center left, Bradley S. Rubin; at center right, Sally Jo Thoman; at bottom left, David L. Tuomenoksa; and at bottom right, Claud Davis receives for William Risk. (At Left): The five finalists who were present to receive their OYEE Awards gather for a group picture. From left to right: standing, Mark J. Rich and Bradley S. Rubin; seated, Gagan L. Choudhury, Sally J. Thoman, and David L. Tuomenoksa.





# OUTSTANDING CHAPTER AWARDS for 1988-1989

by Alan Lefkow, Chairman

## Editor's Note:

Because of the outstanding quality of the Chapter Activities Reports, 1988-89, received from the Runner Up (Delta Omega Chapter at the University of Hawaii) and the Winner (Beta Chapter at Purdue University), BRIDGE decided to reprint both reports in 50%-reduction size so as to display four report-pages per one BRIDGE-page and to feature these reports in the August 1990 and November 1990 issues of BRIDGE. Delta Omega's Report is featured in this issue and Beta's Report will be featured in the November issue.

It is hoped that these reports will serve as helpful and encouraging examples to all chapters including the winning chapters themselves. While Purdue and Hawaii

provide outstanding examples, BRIDGE would be remiss in its fairness to all chapters if it did not salute the other meritorious chapter reports mentioned in this article. Also, it is a matter of fact that the quality of service reported upon in all of the submitted reports was deemed meritorious. Other fine examples have been reported in recent issues of the BRIDGE, and Chapter Activities will continue to be featured in most issues of BRIDGE. Recall that a thirteen-year listing of winning chapters was highlighted in our February 1989 issue. Congratulations to all of you in Eta Kappa Nu who render service to your fellow man; whether your efforts are published or not, your devotion to others is the life of our society.

## Introduction

The top Eta Kappa Nu college chapters for the school year 1988-89 were recently announced by the Outstanding Chapter-Activities Award Committee. Beta Chapter of Purdue University won top honors as National Winner, based on its outstanding program of service to its department, school, and surrounding community. Delta Omega Chapter of the University of Hawaii received Honorable Mention as runner-up in the competition.

In addition to these two winners, five chapters received Certificates of Merit for their excellent programs. Certificate winners were Gamma Mu Chapter of Texas A&M University, Iota Xi Chapter of the University of Arizona at Tucson, Theta Chi Chapter of the University of Colorado at Colorado Springs, Epsilon Epsilon Chapter of the University of Houston, and Psi Chapter of the University of Texas at Austin.

## Service, Service, Service

Activities that serve the school, department, and community continue to be the hallmark of outstanding chapters. The following paragraphs highlight a few of these activities from among the winning chapters:

**Iota Xi** members volunteered more than 150 hours assisting the American Cancer Society, the Ronald McDonald House and a nearby nursing home. At the Flower Square Health Center, members organized and ran games for the residents at a Halloween party, and helped clean up after it was over. At an annual Children's Bike-a-thon to benefit the American Cancer Society, the members manned check-in booths, supplied water to participants, and directed bike traffic. Members brought their own yard tools to work the lawns at the Ronald McDonald House, and they also helped paint the office complex there.

**Gamma Mu** started one of its most ambitious projects this year, a three-video information/media center in the lobby of the main engineering building. Three color video monitors tied to a computer, VCR, and cable television, will be used to display news, school activities, University-wide organizational notices, and the like. Community fund raising has already started to finance the project.

**Beta** formed a Community Service Committee to find a replacement for their past involvement in the March of Dimes. Among other things, the committee organized an annual Thanksgiving Food Drive. Money and food donations made by the students and faculty yielded 50 complete Thanksgiving food baskets. On its Soup Kitchen Day, the chapter donated one day's proceeds from its extensive lounge snack sales to a local kitchen in Lafayette, which, this year, amounted to over \$1300.

The chapter also established a Food Finders Food Bank to help feed the hungry in the community. They collect large quantities of food, either through donations or by themselves, and offer it to needy families.

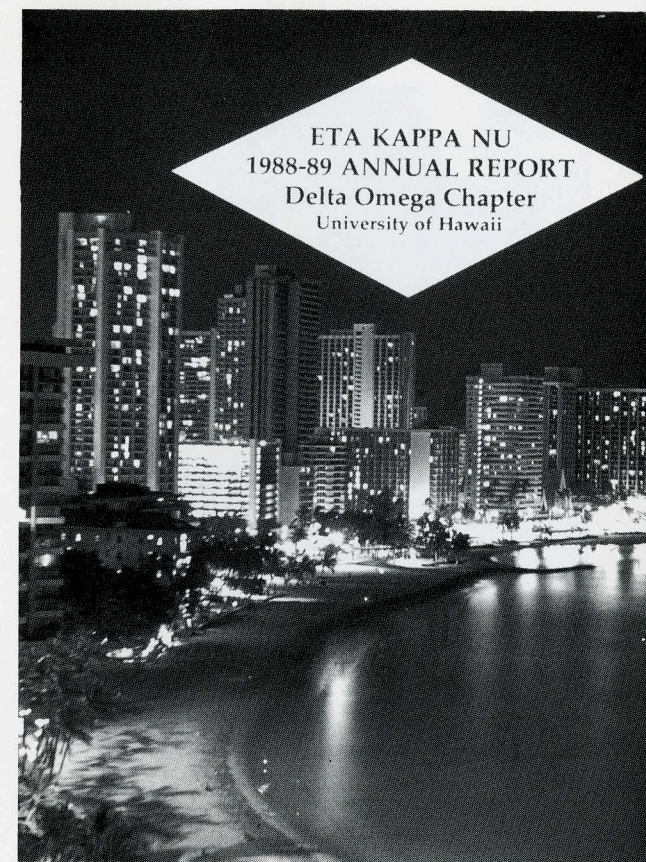
As a service to its fellow students, **Epsilon Epsilon** published a unique book called "Don't Panic." Aimed at the entering engineering student, the book is a down-to-earth survival guide designed to help settle the neophyte and make him feel at home on campus. On the lighter side, the book includes a section to define "common" electrical engineering terms. These include such terms as:

**A.I.:** Artificial Intelligence; studied and possessed by some professors.

**Masochist:** Graduate student.

**Sadistics:** Statistics 101.

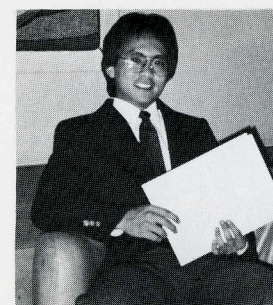
**Take the path of least resistance:** Drop a class. The book was appreciated by faculty as well as freshmen.



## TABLE OF CONTENTS

PRESIDENT'S MESSAGE.....	1
1988 - 1989 OFFICERS.....	2
GENERAL ACTIVITIES.....	3
PLEDGE ACTIVITIES.....	7
CAREER DEVELOPMENT.....	11
FACILITIES AND SERVICES.....	16
HONORS AND RECOGNITION.....	20
1989 - 1990 OFFICERS.....	22
1988 - 1989 DELTA OMEGA MEMBERS.....	23
FINANCIAL REPORT.....	24
SUMMARY SHEET.....	25

## PRESIDENT'S MESSAGE



1988-89 was a year characterized by major change for the Delta Omega Chapter at the University of Hawaii. HKN started off the year by relocating to a new clubroom in Krauss Hall. The previous HKN Advisor left on a one year sabbatical requiring the chapter to recruit a new advisor. New activities were initiated for the first time. There would be no Engineering Expo. Was the great tradition of the outstanding Delta Omega Chapter in jeopardy?

Hardly. We had a very successful and enjoyable year, continuing the traditional activities which has earned the Delta Omega Chapter national distinction while also instituting new activities. It was a banner year for

accomplishments—we pulled off a feat of great magnitude, the 1989 University of Hawaii Engineering Fair. This past year also marked the involvement of HKN with the Hawaii High Technology Development Corporation (HTDC), a state organization established to promote high technology in Hawaii. Achievements such as these helped HKN gain respect and recognition from the engineering industry and the community.

HKN also remained a diplomatic organization, providing service to the EE Department, continuing our good relation with the IEEE student chapter, maintaining our voice and keeping in contact with the other engineering clubs via the Engineering Counsel, working with ASUH (Associated Students of the University of Hawaii), and supporting the EE Peer Counselors.

Another proud accomplishment of this year's Delta Omega Chapter was the unification of our membership and the strengthening of our member's personal skills. A conscious effort to garner member participation, resulted in large membership turnouts. The combined effort of excellent officers, supportive members, and enthusiastic pledges along with their unflinching dedication resulted in the great achievements of our chapter. I commend each one of them for their contribution to the success of our chapter while perpetuating the ideals of Eta Kappa Nu Association.

The year was fun, memorable, and productive as we developed the skills of our future engineering leaders. This annual report chronicles the year's events in a condensed form so others may appreciate our efforts. It is also a personal club memoir to remind us of our wonderful experiences in the 1988-89 Delta Omega year...

*Aloha,  
Daniel Chinen*

1

## 1988-89 DELTA OMEGA CHAPTER OFFICERS



Front Row: Cynthia Ginoza, Susan Kurosu, Daniel Chinen, Lynn Sugita, Cora Mau, Scott Shimizu.  
Second Row: Gary Yokoyama, Scott Ahuna, Robin Kaneshiro, Dwight Yoshinaga.  
Back Row: Dr. R.P. Halverson (HKN Advisor).

PRESIDENT.....	Daniel Chinen
VICE PRESIDENT.....	Susan Kurosu
TREASURER.....	Scott Shimizu
CORRESPONDING SECRETARY.....	Cora Mau
RECORDING SECRETARY.....	Gary Yokoyama
BRIDGE CORRESPONDENT.....	Lynn Sugita
ECUH REPRESENTATIVE.....	Cynthia Ginoza
ECUH REPRESENTATIVE.....	Dwight Yoshinaga
PLEDGE MASTER.....	Scott Ahuna
PLEDGE MASTER.....	Robin Kaneshiro

2



## GENERAL ACTIVITIES

### OFFICER'S PICNIC



Delta Omega members (left-right) Dwight Yoshinaga, Lynn Sugita, Scott Shimizu, Lori Shima, Peter Okunami, and Cora Mau relax at the Officer's Picnic 1988-89 at Bellow's Beach Park.

The 1988-89 Administration officially began with the officer's picnic held in May 1988 at Bellow's Air Force Base Beach Park on the island of Oahu. The picnic began with a meeting between outgoing and incoming officers and involved discussions of the year's past events, advice and guidance for the incoming officers, as well as hopes and plans for the future. In addition to formal business, the picnic included informal activities such as sand volleyball, swimming, body surfing, and barbecuing. One benefit which arose from the event was to bring the officers closer together as a team. The new officers also took advantage of the pool of experience offered by the outgoing officers.

3

## GENERAL ACTIVITIES

### PROFESSOR POTLUCKS



"First come first served!" at the Fall 1989 Professor Potluck.

The HKN Professor Potluck has been a popular Delta Omega tradition and this year was no exception. The Professor Potluck has come to be expected by many of the professors of the Electrical Engineering Department. It is not uncommon for HKN members to be stopped and asked by professors, "When's the next Professor Potluck?" Two dinner potlucks were held in the University of Hawaii Engineering building and both were characterized by a high turnout of students, professors, and food. The potlucks have improved student-professor relationships by allowing them to jointly participate in an informal and celebrative event. The potluck's popularity and success has been demonstrated by the action of another engineering club which recently added a Professor Potluck to their schedule.

4

## PLEDGE ACTIVITIES

### PLEDGE PICNIC



HKN members and pledges enjoy a lunch feast at the Pledge Picnic.



Volleyball competition between members and pledges.

The HKN Pledge Picnic was held on October 1, 1988 at Sand Island Park on the island of Oahu. The purpose of the picnic was to provide an environment where the new pledges would get to know each other and the members. This comradery among the pledges and members was promoted through participation in activities including ice breaker games, volleyball, football, and skits. The picnic gave pledges the opportunity to socialize among their peers and enabled them to make better decisions in selecting their pledge project partners.

7

## PLEDGE ACTIVITIES

### HKN T-SHIRT DESIGNS

One of the requirements for the pledges was to design the 1988-89 HKN T-shirt. Among the twenty-four designs created, two were selected for the final T-shirt design. Thanks to pledges Annie Lum and Scott Kobayashi, members were endowed with dual-design, colorful, attractive HKN T-shirts.

### HKN PLAQUE

Another requirement of the pledges involved designing and building an 8.5" X 11" plaque. The plaque specification required the pledges to include the Wheatstone Bridge symbol and "HKN" acronym in their design. The pledges displayed a variety of designs including plaques made of wood, material fabric, and Plexiglass. The quality and workmanship of the plaques indicated many hours of hard work.



Pledges William and John play actors for a day at the Pledge Picnic.

8

## GENERAL ACTIVITIES

### THANKSGIVING PARTY

The last official event of the 1988 Fall semester was the Third Annual Thanksgiving party held in the HKN club room. Pledges, members, and alumni participated in a range of activities, including the popular board game "Pictionary." The Thanksgiving party gave members a chance to release and unwind after a week of midterms and gave them energy to make it through final exams.

### "HUI O NA HAUMANA" FALL 1988 & SPRING 1989

The Delta Omega Chapter has always remained open to improvement. Fortunately, the ASUH (Associated Students of the University of Hawaii) sponsored a self-improvement conference "Hui O Na Haumana" during the Fall 1988 and Spring 1989 semesters. "Hui O Na Haumana," which means "a meeting of student minds," included workshops such as: Time Management, Effective Public Speaking, Leadership Skills, Stress Management, and Running Effective Meetings. HKN encouraged its membership to attend the workshops for self-improvement. Several Delta Omega members and pledges participated in these events which were held on a weekend at the University of Hawaii Campus Center.

### GOLD CARD EVENTS

As an incentive to increase member and pledge participation in activities other than school or mandatory club activities, the Delta Omega Chapter initiated the "Gold Card" concept two years ago and has continued to keep the spirit alive. This year, activities such as basketball, Manoa Garden Jams (held every Friday after classes), and pizza parties were labeled as Gold Card events, events which earned participants Gold Card points. At the end of the year, Gold Card points were tallied and members were ranked according to the number of points they accumulated. Rankings included "Egghead," "Pseudo Partier," "Social Drinker," and "Party Animal." Gold Card members were awarded their Gold Card during the 1989 Induction Banquet. "Party Animals" Scott Ahuna and Sean Parrish were "honored" as the 1988-89 winners of the Gold Card Event.

5

## GENERAL ACTIVITIES

### FUNDRAISING

Due to the efforts of increased fundraising activity, including the sale of saimin noodles and chili, the Delta Omega Chapter was able to add approximately \$2000 to the 1988-89 budget. The additional funds allowed purchases of electronic equipment toward the Delta Omega Chapter's lab, in addition to defraying costs of activities and regular operating expenses. The increased fundraising also provided financial backing which enabled HKN to organize the 1989 UH Engineering Fair.



Members pose for a parting shot in a 1989 summer get-together at Sand Island Beach Park.

6

## PLEDGE ACTIVITIES



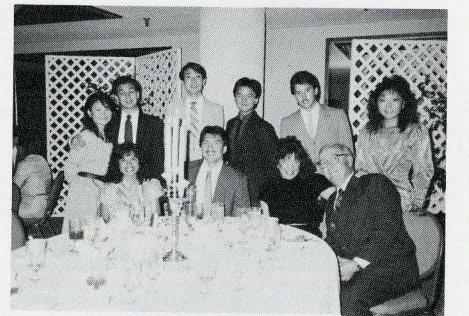
The 1988-89 Pledges all "decked out" in their "Super Pledge" costumes.

### PLEDGE WEEK

Pledge Week, March 13-17, was one of the more visible pledge activities for the school year. The pledges displayed their spirit by dressing out-of-the-ordinary during three days of Pledge Week, in addition to carrying their plaques during school hours. Monday, March 13 was "HKN Advertisement Day." The pledges wore two poster boards which had illustrations of the HKN coat-of-arms. For purpose of project group identity and spirit, each project group dressed to an individual theme. Some notable groups dressed as tourists, Unknown Comics, and military soldiers. Wednesday, March 15 was "Interview Day." The pledges dressed in formal attire and were individually interviewed by the officers. Friday, March 17 was "Super Pledge Day." The pledges wore their HKN T-shirt backwards, a blue cape, and a head ornament created by another pledge. All in all, the pledges showed lots of spirit and enthusiasm during pledge week.

9

## PLEDGE ACTIVITIES



A table of members and guests pose for a photograph at the 1989 HKN Induction Banquet.

### 1989 INDUCTION BANQUET

On April 29, 1989, the HKN Induction Banquet was held at the Hyatt Regency Hotel in Waikiki. The banquet commenced with the traditional HKN induction ritual which officially ended the eight-month pledge period for the twenty-one newly inducted members. An award ceremony dedicated to graduating seniors and outstanding members was followed by the installation of the 1989-90 officers. A slide show, and an entertaining two-hour talent show/skit courtesy of the newly inducted members brought the evening's events to an end.

10



## CAREER DEVELOPMENT

### 1989 ELECTRICAL ENGINEERING CAREER NIGHT

When many of the Electrical Engineering students returned from their four week Christmas break, they were eager to attend the 1989 Electrical Engineering Career Night scheduled for January 27, 1989. The first EE Career Night, which made its debut a year earlier, included mainland, as well as local company representatives. The success of the first EE Career Night prompted HKN, the University of Hawaii IEEE student chapter, and the EE Peer Counselors to plan and organize a second EE Career Night. The second EE Career Night was an evening which gave students the opportunity to be exposed to the engineering industry and to come in contact with "real world" engineers.

The night began with each representative giving a brief presentation of their company. After all companies had been formally presented, students were encouraged to approach the representatives at their company booths. Student questions ranged from details about the engineer's daily work responsibilities to his/her personal experience in the company.

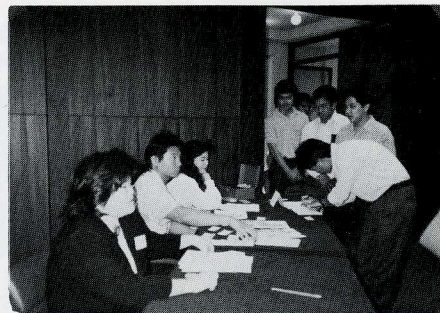
EE Career Night was funded in part by the College of Engineering, HKN, and IEEE. Companies in attendance included Hawaii Rocket Launch Facility, Pacific Missile Range Facility, VeriFone Inc., Hawaiian Electric Co., Naval Electronics Engineering Activity in the Pacific (NEEACTPAC), VLSI Technology, IBM Hawaii, CTE Hawaiian Tel, Hughes Aircraft Co., Naval Ocean Systems Center (NOSC), Phoenix Technologies, and Oceanic Properties.

HKN had nearly 100% of its pledges and members in attendance at EE Career Night. Six HKN members also held important EE Career Night committee positions, and contributed to the success of the event.

11

## CAREER DEVELOPMENT

### 1989 ELECTRICAL ENGINEERING CAREER NIGHT



The Career Night Committee registers guests at Career Night.



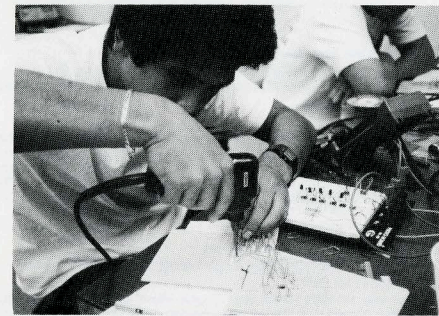
Career Night guests including pledges Cy, Sean, Nicholas, and Ben treat themselves to hors d'oeuvres at Jefferson Hall on the University of Hawaii Manoa Campus.

12

## CAREER DEVELOPMENT

### UNIVERSITY OF HAWAII ENGINEERING FAIR

This year, the judges for the HKN pledge projects included EE Chairman Dr. Kazutoshi Najita, Associate Dean Dr. Reginald Young, Delta Omega Chapter Advisor Dr. R.P. Halverson, and new Professor Dr. Tep Dobry, along with two Delta Omega Chapter alumnus Leon Roose and Kerstan Wong. The "Sound Generator," which was designed and built by pledges Annie Lum, Miles Nagato, and Christine Taira was recognized as the 1988-89 outstanding HKN pledge project. The "Light Intensity Direction Detector," created by pledges Wally Fukumae, Vince Le, and John Tamanaha placed second; and pledges Charles Shin, Kevin Shin, and Cy Young placed third with their "Talking Clock" project.



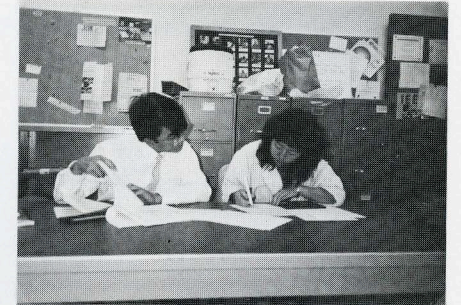
Pledge John Tamanaha assembles the Light Intensity Direction Detector during the 1989 Spring Break.

15

## CHAPTER FACILITIES AND SERVICES

### TUTORING

This year over 1000 man-hours were devoted to providing tutoring services to electrical engineering students. The 1988-89 school year also marked the first time in recent Delta Omega Chapter history where the chapter expanded its tutoring services to include athletes. Athletes were offered tutoring services in various math and science levels. Forty-eight HKN members and pledges made themselves available for tutoring throughout each week. During the Fall semester tutoring was available for most undergraduate courses. However, since most of HKN's "tutees" were from the lower level freshman and sophomore courses, the Spring tutoring schedule was adjusted to meet the demand. In the Spring of 1989, the tutoring schedule for the lower level courses was expanded to include almost every hour of the school day. This increased the opportunity for lower level students to take advantage of HKN's free service.



Charles, a 88-89 pledge, tutors an engineering student in the HKN club room at Krauss Hall 113B.

16

## CAREER DEVELOPMENT

### UNIVERSITY OF HAWAII ENGINEERING FAIR

For the past sixteen years, the College of Engineering has planned, financed, and organized an Annual Engineering Exposition/Open House through the ECUH (Engineer's Council of the University of Hawaii). For many years, HKN has been an active participant of the Expo/Open House and has supported ECUH by providing manpower, input, and projects. However, in the Fall of 1988, ECUH decided to cancel the 1989 Expo/Open House. The decision to cancel this popular sixteen-year tradition prompted the Delta Omega Chapter of HKN to independently plan, organize, and finance an Engineering Fair similar to the Annual Engineering Expo/Open House.

To alleviate the costs of running an event of such magnitude, committees were formed and plans were made to lobby the ASUH (Associated Students of the University of Hawaii) Senate for funds. Unfortunately, HKN learned that the deadline for lobbying the ASUH Senate for funds had passed. Through HKN's perseverance and justification of the event, the Delta Omega Chapter was successful in convincing ASUH to award them an amount much larger than had been allocated to any other organization for the 1988-89 school year!

After much planning and hard work, the first University of Hawaii Engineering Fair became a reality on April 14, 1989. The fair was held at the University of Hawaii Campus Center Complex and included displays and projects from the Mechanical Engineering, Civil Engineering, and Electrical Engineering disciplines, as well as from the local engineering industry. Contests designed for fun and challenge included a matchstick bridge building contest, an egg drop contest, a paper airplane design competition, and an egg catch event.

In addition to advertising the free UH engineering fair via two state-wide newspapers, the university newspaper, radio announcements, and flyers, the HKN publicity committee invited local high school students to participate in the event. The high high school student turnout was demonstrated by many of the contest prizes being awarded to high school students. Also, personal letters addressed to UH engineering alumni were mailed out.

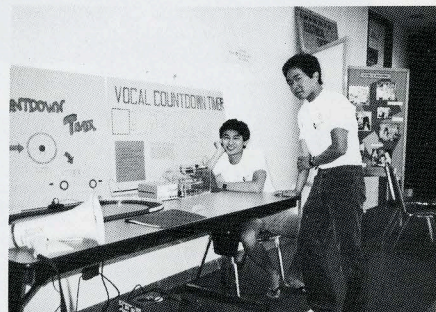
HKN pledges in groups of three spent countless hours and sleepless nights designing and constructing 7 projects which they proudly displayed and demonstrated during the fair. In addition to the seven pledge projects two members also displayed a project. The pledge project helped the pledges become better practical engineers and taught them the importance of teamwork.

13

## CAREER DEVELOPMENT

### UNIVERSITY OF HAWAII ENGINEERING FAIR

The Delta Omega Chapter devoted many hours of hard work (approximately 3000 man-hours) to plan and organize the first UH Engineering Fair. And although at times sacrifice of school work and recreational time was necessary to make the event a realization, most of the HKN members would agree that the success of the fair was worth the sacrifice they made. In addition to being covered by the local and University media, the University of Hawaii Engineering Fair publicized HKN and the College of Engineering to the community, the University, and the engineering industry.



Ben and Han display their project at the First University of Hawaii Engineering Fair.

14

## CHAPTER FACILITIES AND SERVICES

### PROFESSOR EVALUATION

In addition to providing service to UH students, the Delta Omega Chapter provided service to the Electrical Engineering Department in the form of faculty/course evaluation services. Prior to the end of each semester, sixty-two classes and labs were evaluated with man-power provided by the Delta Omega Chapter. The Chapter was responsible for organizing, distributing, and collecting the course evaluation forms. The Engineering Department has found the evaluations to be a valuable tool in accessing the strengths and weaknesses of the teaching staff.

### AFCEA (ARMED FORCES COMMUNICATION AND ELECTRONICS ASSOCIATION) CONFERENCE

The 1988-89 school year was marked by an increase in the Chapter's services to the engineering community. The Armed Forces Communication and Electronics Association sponsored a conference with the theme "Telecommunication Infrastructure" in which HKN was involved. The Hawaii High Tech Development Corporation (HTDC) felt this conference, which included several engineering corporations, would be an excellent opportunity to attract high tech firms to Hawaii. To aid in manning their booth at the conference, HTDC enlisted the help of HKN. During the period from November 1 - 3, the Delta Omega Chapter provided members to man a booth for the Hawaii High Technology Development Corporation. In addition to answering questions, members and pledges enthusiastically distributed pamphlets to promote high technology in Hawaii. This newly formed alliance with HTDC displays HKN's commitment to promoting high tech in Hawaii.

### SECOND JOINT MEETING. ACOUSTICAL SOCIETY OF AMERICA & ACOUSTICAL SOCIETY OF JAPAN

The Annual Acoustic Meeting sponsored by the Acoustical Society of America and the Acoustical Society of Japan was held in Hawaii at the Sheraton Waikiki Hotel during the week of November 14 - 18. In a concerted effort with the University of Hawaii IEEE Student Chapter, HKN provided 405 man-hours of service in the managing and operation of audio and visual equipment for the seminars.

17

## CHAPTER FACILITIES AND SERVICES

### DATA REFERENCE LIBRARY

One year ago, a data reference library was established in the HKN club room. Back then over forty technical books and manuals were collected for membership use. Today, the collection has grown to include over two-hundred data books, electronic "cookbooks," pamphlets, and application notes thanks to contributions from members and teaching assistants.

### HKN LABORATORY EQUIPMENT

Over the years, the Delta Omega Chapter has used its funds toward the purchase of electronic equipment and tools. An objective of HKN has been to strengthen the technical skill of its members by encouraging them to build projects. HKN has supported members by providing lab equipment for their use. This year, additional equipment and supplies were purchased to add to the growing lab. The HKN lab equipment has proven to be an invaluable resource for building and testing the pledge projects.

### EAC/ABET ACCREDITATION COMMITTEE

In response to a request from the Electrical Engineering Department Chairman Dr. Kazutoshi Najita, HKN provided two members to attend a meeting with the ABET (Accreditation Board of Engineering Technology) Committee. The committee requested student opinion concerning the engineering curriculum, atmosphere, and student activities. The HKN members provided feedback and answered questions asked by the committee.

### ELECTRONIC MAIL SERVICE

Thanks to HKN member Gordon Sasamori, the Delta Omega Chapter was one of the first HKN chapters to have an E-mail address established. The installation of this service has increased the Delta Omega's capability to correspond and interact with other chapters.

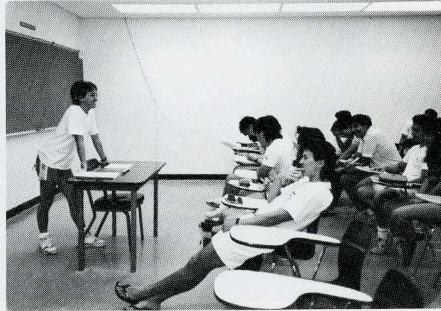
18



CHAPTER FACILITIES AND SERVICES

MEMBERSHIP PARTICIPATION

In the recent years, participation in HKN has largely been dominated by officers and pledges. This year, a conscious effort to increase membership and alumni participation in tutoring services, sports events, and weekend activities was worthwhile and very successful. HKN alumni participated in the Pledge Picnic, Thanksgiving Party, Professor Potlucks, and the Induction Banquet. Members other than pledges and officers were also active in the aforementioned activities, in addition to participating in EE Career Night, the UH Engineering Fair, the AFCEA Conference, the Acoustics Seminar, Professor Evaluation services, tutoring, and bi-monthly HKN General meetings.



President Daniel Chinen conducts a HKN General meeting in Holmes Hall.

19

HONORS AND RECOGNITION

Members of the Delta Omega Chapter have been honored with local and national recognition as outstanding Electrical Engineering students. Some of the more prestigious awards are highlighted below:

Honorable Mention

Eta Kappa Nu Association Alton B. Zerby Outstanding Electrical Engineering Student Award, 1989 Daniel H. Chinen

President Daniel H. Chinen, an exceptional student and exemplary leader, was nationally recognized as one of five to be awarded with Honorable Mention, the second highest award in the Alton B. Zerby competition. Chinen was instrumental in the execution of EE Career Night and the 1989 UH Engineering Fair and was also an EE Peer Counselor.

Finalist

Eta Kappa Nu Association Alton B. Zerby Outstanding Electrical Engineering Student Award, 1989 Leon R. Roose

This year, the Delta Omega Chapter was informed of Leon R. Roose's finalist position in the Alton B. Zerby award competition. Roose, a Spring 1988 graduate, and past HKN treasurer, was an accomplished engineering student at the University of Hawaii.

Honorable Mention

Norman R. Carson Award for the Outstanding Junior Electrical Engineering Student in the United States of America for 1988. Daniel H. Chinen

This spring, the Delta Omega Chapter was also informed of Daniel H. Chinen's success in the HKN Outstanding Electrical Engineering Junior in the United States award competition. Chinen was awarded Honorable Mention for his accomplishments during his junior year in engineering. During that period, Chinen represented the Delta Omega Chapter as the ECUH (Engineer's Council of the University of Hawaii) Representative.

1989 IEEE Hawaii State Chapter

Hawaii Section Electrical Engineering Student of the Year Margaret M. Oda

Each year, the IEEE Hawaii State Chapter honors an outstanding electrical engineering student. Margaret M. Oda, an active member of the Delta Omega Chapter was the recipient of this year's highly-publicized award. Oda recently graduated in May 1989 and maintained a 4.0 G.P.A. during her four years at the University of Hawaii. She is currently pursuing a graduate degree in the Stanford Honors Cooperative Program with personal sponsorship by Hewlett Packard. She is also a recipient of the Consulting Engineers Council of Hawaii Scholarship.

20

HKN DELTA OMEGA CHAPTER

NEW MEMBERS

Jodie Abe  
Allan Dunphy  
Wallace Fukumae  
Jeffrey Goya  
\* Scott Kobayashi  
\* Vincent Le  
Annie Lum  
Estella Luu  
Paul Maan  
Miles Nagato  
Wade Nakanishi

\* Sean Parrish  
\* Charles Shin  
\* Kevin Shin  
Han Sie  
Christine Taira  
\* John Tamanaha  
William Tong  
Nicholas Wong  
Ben Yoshino  
Cy Young

MEMBERS

\* Scott Ahuna  
\* Daniel Chinen  
\* Ben Choi  
\* Cynthia Ginoza  
\* Peter Hsiang  
+ Anthony Hong  
+ Jean Hsu  
+ Liza Jang  
Robin Kaneshiro  
+ Cy Kawasaki  
\* Raymond Koshi  
Sandra Kugisaki

\* Susan Kurosu  
+Treston Masada  
\* Cora Mau  
Michael Nakashima  
\* Margaret Oda  
+ Peter Okunami  
+ Gordon Sasamori  
\* Scott Shimizu  
\* Lynn Sugita  
\* Gary Yokoyama  
Dwight Yoshinaga  
+ Jin Zhang

+ 1988 Fall Graduate  
\* 1989 Spring Graduate

23

HKN FINANCIAL REPORT

BEGINNING BALANCE.....\$1,021.18

INCOME

Local Dues 534.00  
Pledge Picnic 208.00  
Acoustics Seminar Donation 475.00  
Liliha Saimin Fundraiser 1,207.00  
T-shirt Sale 189.00  
Banquet (non-pledge, guests) 187.00  
Hawaii High Tech Dev. donation 257.50  
UH Engineering Fair reimbursements 3,269.02  
Zippy's Chili Fundraiser 714.00

TOTAL INCOME.....\$7,040.52

EXPENDITURES

Pledge Invitational Meeting 34.39  
Pledge Picnic 184.47  
Fall Semester Graduate Gifts 133.28  
T-shirts 335.67  
1989 EE Career Night 75.47  
Fundraiser Prizes 80.00  
HKN Glasses 269.50  
Spring Semester Graduate Gifts 433.44  
Induction Banquet 1,048.18  
Gold Card Awards 87.11  
UH Engineering Fair 3,280.78  
Photography 95.55  
Miscellaneous 85.50

TOTAL EXPENDITURES.....\$6,143.61

TOTAL BALANCE CARRIED OVER.....\$1,918.09

24

HONORS AND RECOGNITION

1988-89 Robert Edwin Hughes Award Outstanding Graduating Engineer Margaret M. Oda

Margaret Oda was the recipient of this prestigious award which honors one outstanding graduating senior in the various engineering disciplines. Oda has devoted much of her time to HKN tutoring services, the EE Career Night Committee, and the UH Engineering Fair Committee. Oda was also a recipient of the 1988-89 Frederick M. Kressler Award.

1988-89 Who's Who Among Students in American Colleges and Universities Ben S.Y. Choi, Daniel H. Chinen, Margaret M. Oda

Ben S.Y. Choi, Daniel H. Chinen, and Margaret Oda, were three out of four UH engineering students chosen for recognition in the Who's Who Among Students in American Colleges and Universities. The three were nominated by Electrical Engineering Chairman, Dr. Kazutoshi Najita. In addition to leading the University of Hawaii Electrical Engineering Peer Counselor Organization, Choi was a 1987-88 Delta Omega Chapter ECUH (Engineer's Council of the University of Hawaii) Representative.

1988-89 University of Hawaii

Outstanding Junior Engineering Student Nicholas M.L. Wong

Nicholas M.L. Wong, a 1988-89 pledge and newly inducted member, was awarded with recognition as the Outstanding Junior Engineering Student at the University of Hawaii. The award was sponsored by Pi Tau Sigma, a mechanical engineering honor society. The competition included candidates from all engineering disciplines.

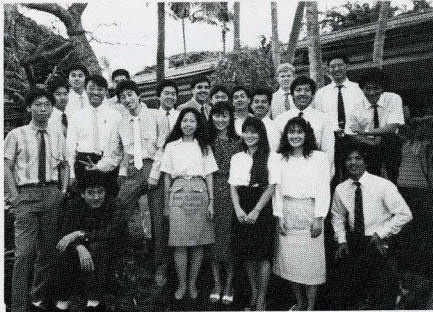
1988-89 University of Hawaii

Outstanding Sophomore Engineering Student Christine S. Taira

Christine S. Taira, a 1988-89 pledge and newly inducted member, was recognized as the Outstanding Sophomore Engineering Student at the University of Hawaii. The award was sponsored by the HKN Delta Omega Chapter. The selection process included candidates from all engineering disciplines and included an interview by the selection board which was comprised of professors and students.

21

1989 - 1990 DELTA OMEGA CHAPTER OFFICERS



1988-89 Pledges: Front: Nicholas Wong, Jeff Goya, Estella Luu, Christine Taira, Jodi Abe, Annie Lum, John Tamanaha Second: Scott Kobayashi, Charles Shin, Kevin Shin, Han Sie, Paul Maan, Wally Fukumae, Allan Dunphy, Vincent Le, Wade Nakanishi, William Tong Third: Ben Yoshino, Miles Nagato, Sean Parrish, Cy Young.

PRESIDENT..... Paul Maan  
VICE-PRESIDENT..... Robin Kaneshiro  
TREASURER..... William Tong  
CORRESPONDING SECRETARY..... Annie Lum  
RECORDING SECRETARY..... Jodi Abe  
BRIDGE CORRESPONDENT..... Ben Yoshino  
ECUH REPRESENTATIVE..... Allan Dunphy  
ECUH REPRESENTATIVE..... Wade Nakanishi  
PLEDGE MASTER..... Jeff Goya  
PLEDGE MASTER..... Miles Nagato

22

SUMMARY SHEET

PROGRAM AND ACTIVITIES

	FALL	SPRING
NUMBER MEMBERS	24	16
NUMBER NEW INITIATES	24	21
NUMBER BUSINESS MEETINGS	19	17

ACTIVITY	NEW OR CONTINUED	MAN-HOURS
Tutoring	Continued	1090
Prof. Evaluations	Continued	40
UH Engineering Fair	New	3000
AFCEA Conference	New	35
Acoustics Seminars	New	405
Officer's Picnic	Continued	100
Professor Potlucks	Continued	120
Fundraising	Continued	600
Thanksgiving Party	Continued	45
Pledge Picnic	Continued	170
T-Shirts	Continued	45
Pledge Plaques	Continued	72
Pledge Week	Continued	275
Induction Banquet	Continued	275
EE Career Night	Continued	750
HKN Sophomore Award	Continued	50
ECUH Pizza Party	New	30

TOTAL..... 7102

NOTE: Man-hours include planning, execution, and membership participation.

25

Eta Kappa Nu Association ANNUAL CHAPTER REPORT - SUMMARY FORM -

A completed copy of this form may be used as a basic annual report, or added to the chapter's own annual report. If the chapter's own report normally covers the material below, this form is not necessary.

Chapter Name Delta Omega Institution University of Hawaii  
Address 2540 Dole Street, Holmes Hall 483, Honolulu HI 96822

OFFICERS AND DATA

	FALL 19 88	SPRING 19 89	THIRD 19
President	Daniel Chinen	Daniel Chinen	
Vice-President	Susan Kurosu	Susan Kurosu	
Treasurer	Scott Shimizu	Scott Shimizu	
Recording Sec.	Gary Yokoyama	Gary Yokoyama	
Correspond. Sec.	Cora Mau	Cora Mau	
Bridge Correspond.	Lynn Sugita	Lynn Sugita	
Faculty Advisor	Dr. R.P. Halverson	Dr. R.P. Halverson	
No. Members	24	16	
No. New Initiates	24	21	
No. Business meetings	19	17	

PROGRAM AND ACTIVITIES

ACTIVITY NAME	OLD, NEW OR CONTINUED	MAN - HOURS	SEMESTER FALL AND SPRING	DESCRIPTION (Use additional sheets if necessary)
Tutoring	cont.	1090	Both	See Report.
Prof. Evaluations	cont.	40	Both	" "
UH Engineering Fair	New	3000	Both	" "
AFCEA Conference	New	35	Fall	" "
Acoustics Seminar	New	405	Fall	" "
Officer's Picnic	Cont.	100	Spring	" "
Professor Potlucks	Cont.	120	Both	" "
Fundraising	Cont.	600	Both	" "
Thanksgiving Party	Cont.	45	Fall	" "
Pledge Picnic	Cont.	170	Fall	" "
T-shirts	Cont.	45	Fall	" "
Pledge Plaques	Cont.	72	Fall	" "
Pledge week	Cont.	275	Spring	" "
Induction Banquet	Cont.	275	Spring	" "
EE Career Night	Cont.	750	Both	" "
HKN Sophomore Award	Cont.	50	Fall	" "
ECUH Pizza Party	New	30	Fall	" "

SIGNED Lynn Sugita DATE 9/3/89

Send to: OCAA Chairman or National Headquarters



---

# **MOVING?**

**Please Send Your  
New Address To:**

**ALSO INCLUDE YOUR OLD ADDRESS  
OR SEND THE MAILING LABEL FROM  
THIS ISSUE OF BRIDGE MAGAZINE**

**HKN BRIDGE  
P.O. Box 2107  
Rolla, MO 65401**