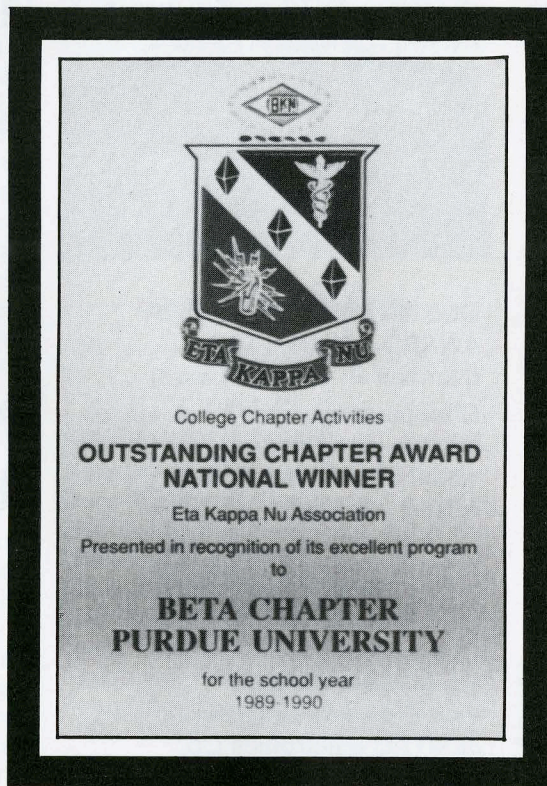




BRIDGE of Eta Kappa Nu

CHAPTER ACTIVITIES



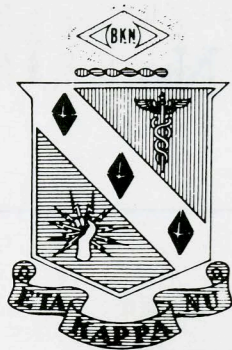
Purdue's Beta Chapter is the ten time National Winner of Eta Kappa Nu's Outstanding Chapter Activities Award.

Congratulations Beta!

Also Featured:

Chapter Activities Certificate of Merit Award

1990 OYEE Banquet, New Brunswick, New Jersey



Editor and Business Manager
J. Robert Betten

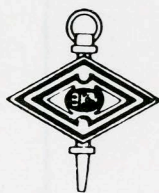
August 1991
Vol 87—No. 4

Contributing Editors

Michael Hajny

Alan Lefkow

Bert Sheffield



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.

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THE HKN

MEMBERSHIP FEE

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

NEW OFFICERS AND DIRECTORS

PRESIDENT'S MESSAGE

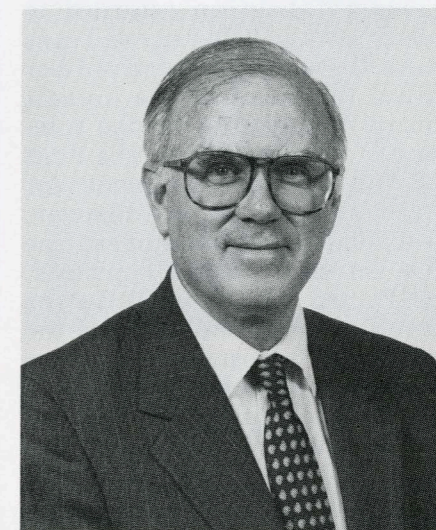
On July 1, 1991, we began the 1991-92 Eta Kappa Nu year, the 87th in our history. We now have 184 student chapters and 5 alumni chapters nationally. Moreover, since our formation in 1904, more than 150,000 people have been inducted into Eta Kappa Nu.

Although we have grown substantially since the beginning, we consider it very important to maintain and promote closer ties between our national office and our chapters. Our goal is to include visits to chapters by national officers and directors when such visits are practical. In like manner, we continue to encourage chapters to respond when we send various requests throughout the year, such as annual ballots for election of HKN national officers and directors.

Furthermore, we encourage all chapters to submit annual reports of chapter activities and to nominate candidates for our various award programs, including the Alton B. Zerby Outstanding Electrical Engineering Student Award, The Norman R. Carson Outstanding EE Junior Award, The C. Holmes MacDonald Outstanding EE Professor Award and the Outstanding HKN Chapter Activities Award.

In this issue of BRIDGE, we have devoted attention to HKN's Chapter Activities by highlighting the ten-year National Winner, Beta Chapter at Purdue University. Also, by presenting here components of a few of the "Certificate of Merit" Winners of this past year, it is our hope that all chapters will be encouraged to prepare and submit top quality annual reports which bring to light the truly good work that is ongoing in all of HKN's college chapters.

Please accept my best wishes for a successful 1991-92 year.



James A. D'Arcy
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.

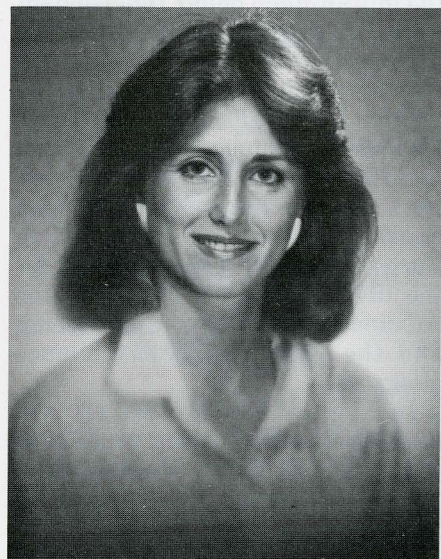
During his professional career, Mr. D'Arcy has published several technical articles and has been involved in various technical societies and activities. He was active in the Young Engineers' Club of Philadelphia, serving in various offices including President of the Young Engineers (1969-1979), and he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



Lauren H. Parker
Vice President

Lauren Houghtalling Parker was born in Miami, Florida on October 26, 1951. She currently resides in Austin, Texas with her husband, Glenn, and their son, Geoffrey.

After graduating from high school in Miami in 1969, Lauren enrolled at Ambassador College in Pasadena, California. She majored in Home Economics from 1969 through 1972, while working as a key punch operator. Lauren married Glenn Parker in 1972 and worked as a computer operator at the college through 1976. In 1978 she moved to Connecticut where

she was the administrative assistant to the General Manager of Finance at Continental Can's corporate headquarters in Stanford. During 1979 and 1980 she was the executive secretary for the Vice President of Finance at Tracor in Austin, Texas.

In 1980, Lauren returned to college at the University of Texas in Austin where she received her BSEE degree with the highest honors in 1984. During the summers of 1982 and 1983, she built test and prototype equipment for Tracor as an electronic technician. As an undergraduate student, she was active in Eta Kappa Nu, IEEE, and Tau Beta Pi. In the spring of 1984, she received the Psi Chapter's most active member award.

After graduation, she was active in founding the Lone Star Alumni Chapter of Eta Kappa Nu and served as president 1984-1986. When the Norman R. Carson Outstanding Junior Award was initiated in 1985, she served as chairperson (1985-1987) for the administrative and award committee, a position in which she has served again since spring 1990. She has been a member of the committee since its inception. In addition, Lauren served as a member of the HKN National Board of Directors in 1986-1988.

Lauren worked for Advanced Micro Devices as a product engineer developing an automated test lab set-up for 1200 baud modem chip (1984-1986) and then returned once again to the University of Texas for graduate work. As a research assistant for the Microelectronics Research Laboratory at the University she helped purchase and set up water processing equipment for a new fabrication facility. In addition, she analyzed the feasibility of ferroelectric materials for the capacitor dielectric in 64- and 256-Mbit dynamic random access memories. She received her MSEE degree in 1988.

Since 1990, Lauren has worked on the development of the integrated fabrication process for a 4-Mbit fast static random access memory chip at Motorola's Advanced Product and Research Lab in Austin, Texas.



Billie J. Ball
Director

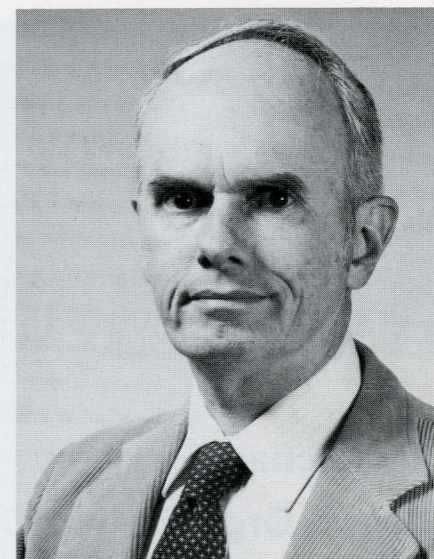
Billie J. Ball is Professor & Head of the Department of Electrical & Computer Engineering at Mississippi State University. He was born in Louin, Mississippi and at the age of eleven years the family moved to Laurel, Mississippi where he graduated from Shady High School as class valedictorian. He received his undergraduate education at Jones County Mississippi Junior College and at Mississippi State University, receiving his B.S. with a major in Electrical Engineering in 1956. He received the Master of Science with a Major in Electrical Engineering from Mississippi State University in 1959. He then joined Texas A&M University as an Instructor and Graduate student. He completed the Ph.D. at Texas A&M University in 1962 and remained there as an Associate Professor until 1963.

In 1963, Dr. Ball returned to Mississippi State University as an Associate Professor. In January 1964, he was named Professor & Head of the Department of Electrical Engineering. His main areas of interest have been in teaching and research in the automatic controls area and in comprehensive development and administration of the Electrical & Computer Engineering Department which provides programs leading to the B.S., M.S. and Ph.D. degrees in both

Electrical Engineering and Computer Engineering.

He has served as Chairman of NEEDHA (National Electrical Engineering Department Heads Association), Chairman of the Electrical Engineering Division of ASEE (American Society of Engineering Education), Chairman of the Education Committee for the Petroleum and Chemical Division of the Instrument Society of America, President of SCEEE (Southeastern Center for Electrical Engineering Education) and member of the Educational Activities Board of IEEE (Institute of Electrical and Electronics Engineers). He is a member of Eta Kappa Nu, Tau Beta Pi, Phi Kappa Phi, Kappa Mu Epsilon, Sigma Xi, NEEDHA, SCEEE, ASEE and IEEE.

Dr. Ball and his wife, Jean, have a Son, John and a daughter, Barbara. John, an Eta Kappa Nu member, completed the B.S. in Electrical Engineering at Mississippi State University in 1991, and is a graduate student at Georgia Institute of Technology. Barbara is a senior-year accounting student at Mississippi State University.



David Stephenson
Director

David Stephenson is Associate Professor of Electrical Engineering and Computer Engineering, Iowa State University, Ames, Iowa. He received the Bachelor's Degree in Electrical Engineering from Washington State University in 1958. Following two years of active duty as a U.S. Army officer, he entered graduate school at the

University of Illinois, receiving the M.S. and Ph.D. degrees in Electrical Engineering in 1962 and 1965.

Since joining the faculty at Iowa State University in 1966, Dr. Stephenson has taught electromagnetics, microwave measurements, antenna engineering, radiowave propagation, and senior design. Research activities have included antennas, radio propagation, and radio noise from severe storms. His most recent interest is the development of computer-aided instructional modules for introducing students to advanced instrumentation.

Dr. Stephenson has been the faculty advisor for Nu chapter of Eta Kappa Nu at Iowa State since 1970. He also serves as academic advisor to about 50 EE and CprE students in the Engineering Honors Program.

Dr. Stephenson is a member of IEEE, ASEE, HKN, and Phi Mu Alpha Sinfonia. Hobbies include flying and music; he is a member of Ames Municipal Band, Central Iowa symphony, Musica Antiqua, and a very active brass quintet. He and his wife Janet have a son and two daughters, all married.

Theodore W. Hissey
Elected
1991 IEEE Treasurer

Theodore W. Hissey, Jr., assistant to the president at Leeds & Northrup, North Wales, Pennsylvania, has been elected treasurer of The Institute of Electrical and Electronics Engineers, Inc. (IEEE). In this capacity he will be a member of the IEEE Board of Directors, the Executive Committee and the Investment Committee.

The IEEE is the world's largest technical professional organization with more than 320,000 members in over 130 countries.

Hissey has worked for Leeds & Northrup for 42 years in various application, engineering and management positions, and is currently responsible for the planning, coordination and development of Leeds and Northrup International Electric Power Network Automation Projects. Since 1969, he has traveled to and worked in 34 countries, holding seminars and meetings with local engineers, in addition to his commercial activities.

He is a longtime technical and administrative worker for the IEEE and the IEEE Power Engineering Society, and has presented numerous papers, articles and seminars on computer and control systems for utilities. He received the BSEE from Pennsylvania State University in 1948.

A member of the IEEE since 1963, Hissey has served as member of the Board of Directors (1988-89) and Division VII (Energy and Power Engineering) director (1988-89). He has been a member of the Standards Board (1988-90); Audit Committee (1988-89); Technical Activities Board (1986-90); Investment Committee (1989); and Regional Activities Board (1990). He became a member of Eta Kappa Nu (Epsilon Chapter) in 1947.

Hissey served as president (1986-87) and vice president (1984-85) of the Power Engineering Society (PES). In addition, he is a representative to the International Affairs Council of the American Association of Engineering Societies (AAES).

New Brunswick...

OYEE AWARD DINNER

by Michael R. Hajny
Chairman Award Organization Committee

with photos
by Howard H. Sheppard

1990 marked the 55th 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 Monday, April 29, 1991. Robert A. Bartolini, a member of the Award Organization Committee, was the Master of Ceremonies. The awards were presented by Robert F. Arehart, 1990 President of Eta Kappa Nu. The Keynote Address was presented by Eric E. Sumner, the 1991 President of The Institute of Electrical and Electronics Engineers, Inc. (IEEE).

The Outstanding Young Electrical Engineer Award for 1990 was presented to Cecelia Jankowski, an Engineering Specialist in Digital Processing at the Grumman Corporation, Bethpage, Long Island, New York. Cecelia was recognized for "her notable contributions to computer-aided engineering and digital signal processing, and for her involvement in community and professional activities."

Honorable Mention was awarded to Patrick O. Nunally, Design Specialist with the General Dynamics Company, Pomona, California, for "his technical contributions to the areas of signal processing and microelectronics design, and for the application of his technical knowledge for the betterment of his community."

Honorable Mention was awarded to Kellie J. Peterson, Supervising Engineer of Transmission Planning, Los Angeles Department of Water and Power, Los Angeles, California, for "her notable contributions to the development and testing of high voltage direct current transmission systems;

and, for her contributions to civic, social, and professional societies."

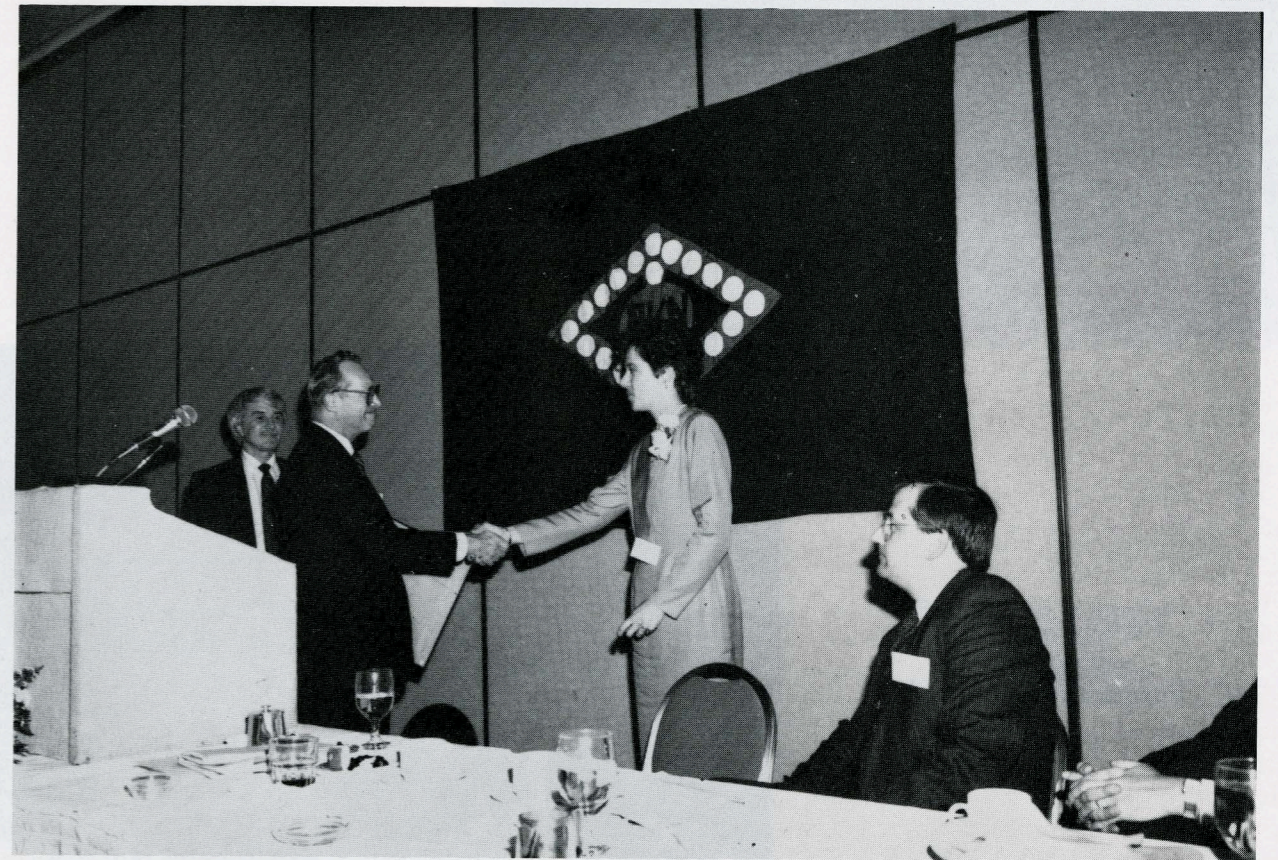
In addition, four engineers were recognized as Finalists: M. Abdul Awal, AT&T Bell Laboratories, Princeton, New Jersey; Alan C. Bovik, The University of Texas, Austin, Texas; Donald D. Davis, Jr., AT&T Bell Laboratories, Norcross, Georgia; and, Jeffrey L. Scruggs, Texas Instruments Incorporated, Dallas, Texas.

In the Keynote Address, Mr. Sumner discussed the ever increasing pace of innovation and invention in engineering, and the associated emphasis on companies and employees to excel. He reports that continual improvements in industry and academe are needed, and that continual improvements are becoming the norm.

In a highlight of the evening, Dr. Bartolini read a letter from United States President George Bush. In speaking about Cecelia Jankowski's achievements, President Bush noted, "By recognizing talented engineers like Ms. Jankowski, you (Eta Kappa Nu) encourage excellence and innovation. I join you in saluting one of our Nation's promising young innovators for her contributions to her profession and to her community."

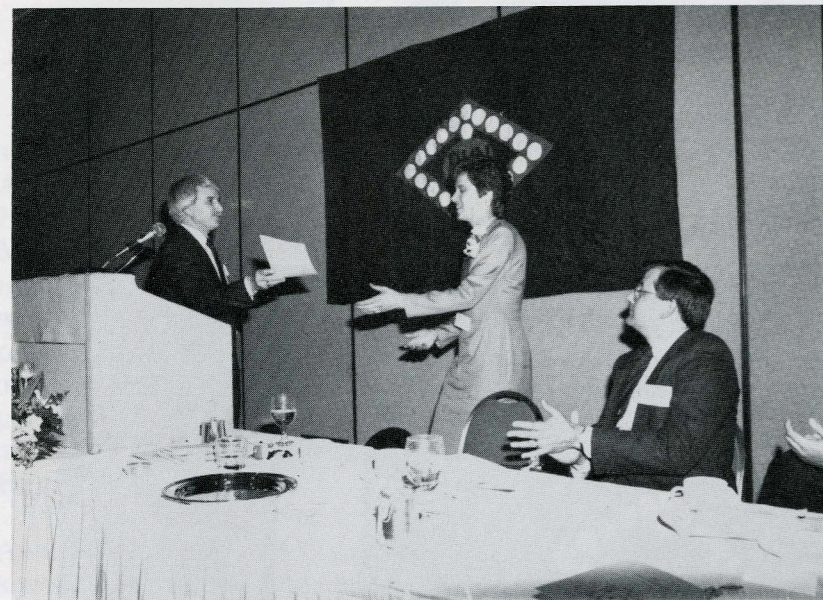
Mr. Howard H. Sheppard, a Past President of Eta Kappa Nu, acted as photographer for the event. Mr. Sheppard has demonstrated his excellent photographic talents during many past banquets.

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.



Photos: At top, Glenn L. Spracht, Grumman Corporation, Bethpage, New York, introduces the 1990 OYEE Winner, Cecelia Jankowski, who is seated at right of podium. At bottom, 1990-91 HKN President, Robert F. Arehart presents winner's certificate to Ms. Jankowski.

HKN President Arehart presents commemorative inscribed silver plate to Cecelia Jankowski

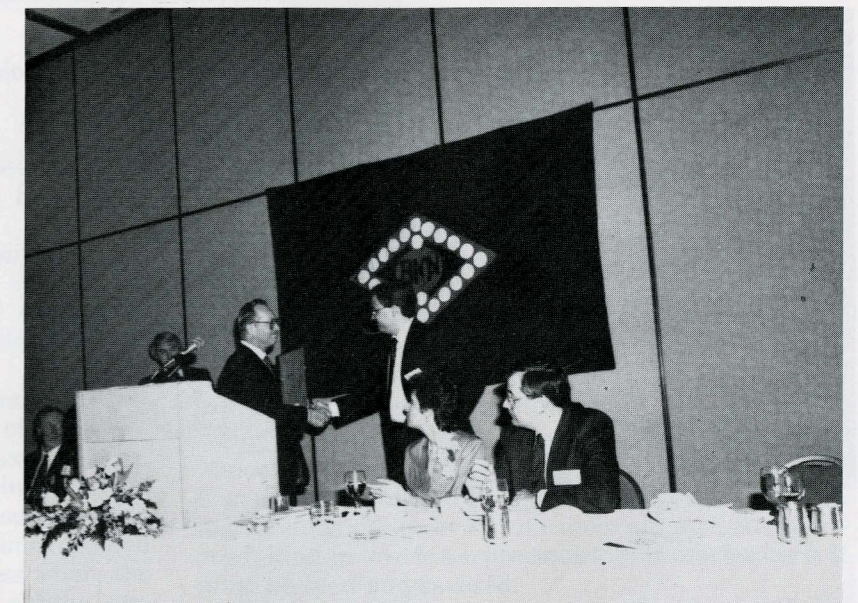


Robert Bartolini, M.C. presents letter from United States President George Bush to Cecelia Jankowski

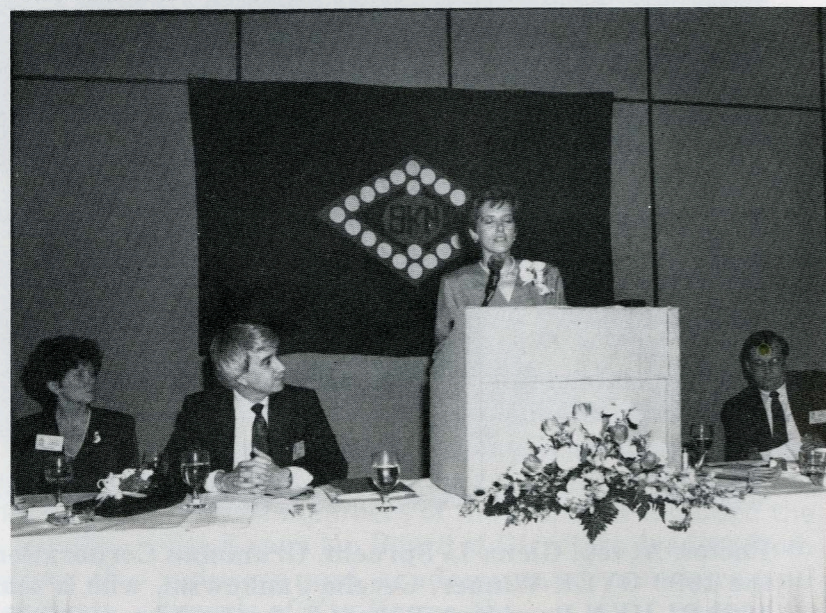


Dr. H. P. Schmid introduces Honorable Mention Winner Patrick O. Nunally

HKN President Arehart presents Honorable Mention Certificate to Patrick O. Nunally

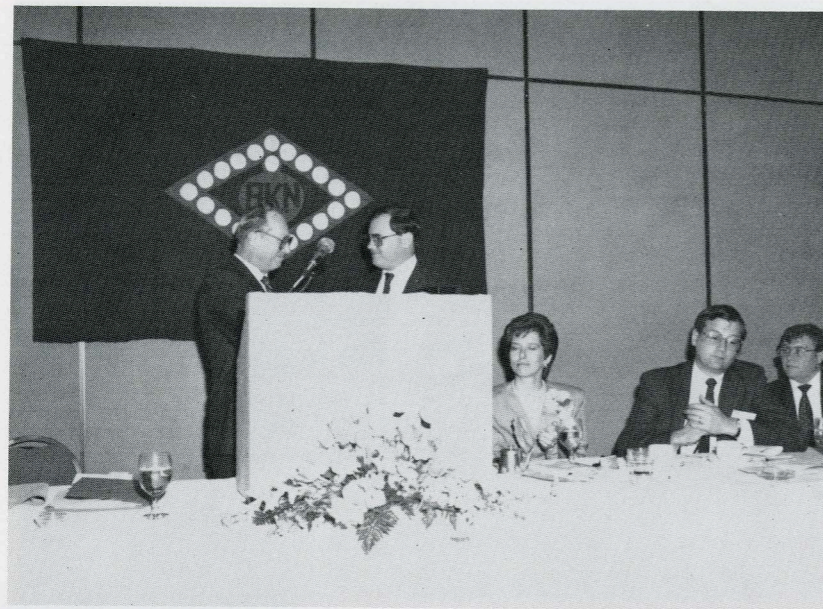


Cecelia Jankowski responds with encouraging remarks



Patrick O. Nunally addresses OYEE Audience

HKN President Arehart
presents
Finalist Certificate
to Jeffrey L. Scruggs



IEEE President
Eric E. Sumner
provides
Keynote Address

1990 OYEE Winner
Cecelia Jankowski
displays
large silver plate
inscribed with
series of names
of OYEE Winners



Keeper of the Gate

A Book Review
by
Bert Sheffield
HKN Publicity Chairman



Lucky Roosevelt and friends

Ed. Note: Photo with permission of Simon and Schuster is provided Courtesy Ronald Reagan Presidential Library.

Keeper of the Gate by Selwa "Lucky" Roosevelt, Chief of Protocol in the Reagan White House. Simon and Schuster, New York, 1990; \$21.95.

Keeper of the Gate is a success story of an exceptionally talented woman in an exceptionally challenging job. "Lucky" Roosevelt takes the reader behind the scenes of one of the toughest jobs in Washington, the Chief of Protocol.

She had prepared for the job inadvertently all her life. As the bright Tennessee daughter of Lebanese immigrants, she won a scholarship to Vassar. There, Lucky made lasting friendships which included Jackie Bouvier Onassis whose attributes she describes with esteem. Her studies in international relations included field trips to New York and to Lake Success where the UN General Assembly was meeting. Her skillful contacts with international diplomats and her journalistic expertise brought her to the attention of the White House.

What are the duties of the Chief of Protocol? Briefly, it was Lucky's job to show the United States in its best light. Lucky welcomed, escorted, entertained and made friends with sheiks, prime ministers, kings and queens during their visits. She reveals one secret of her success. She reads extensively about the visitors before they arrive.

She mesmerizes the reader with vivid accounts of her diplomacy with dignitaries like Queen Elizabeth II, who is "far lovelier than her photos"; and with Prince Phillip who objected to security's request to hide from the crowd by extinguishing the dome light in his limo. Lucky's mollification, "Sir, these men are only doing their job..." elicited an apology for his short temper.

Other fascinating vignettes include the Shevardnadzes whose friendship with the Shultzes reportedly initiated the Soviet-American thaw; also, Japan's

Emperor Akhito, India's Rajiv Gandhi, France's Mitterand, Canada's Mulroney, China's Premier Li Peng, and Britain's Margaret Thatcher.

She refers warmly to Malcolm Forbes who made his superb yacht, *The Highlander*, available to host foreign dignitaries on sightseeing cruises. She was on Malcolm's yacht with the Bushes and the Shevardnadzes when the barriers between the Russians and the Americans began to come down.

She was present also when Elizabeth Taylor and Malcolm met and she reveals where and when they began their highly publicized friendship. Lucky's meeting Archibald Roosevelt and their almost instantaneous falling in love is too precious to summarize here. It must be read and savored.

This reviewer had a treasured opportunity to meet Lucky and her husband Archie at a gathering hosted by Malcolm Forbes. It celebrated a new exhibition titled "The Roosevelts" at the Forbes Magazine Galleries in New York (on April 13, 1989). Typical of Lucky, her conversation focused on the exhibit which had been thoughtfully assembled in honor of her husband's grandfather Theodore Roosevelt, and also of Franklin Roosevelt.

I read with regret, in her stirring Epilogue, that Archie died on May 31, 1990.

Lucky received many commendations. President Corazon Aquino thanked Lucky for her efforts while she visited the U.S. She wrote in part "...If you may pardon a bit of female chauvinism, I think what you and I proved is that, what men can do, we can do better."

Lucky's is a Cinderella story by her own admission. *More Than I Dreamed* is the title of Malcolm Forbes's autobiography. She says "It could just as easily be mine."

CHAPTER ACTIVITIES

Beta Chapter is tenth-time National Winner

by Alan Lefkow

NATIONAL WINNER

Beta Chapter at Purdue University has won the Outstanding Chapter Activities Award (OCAA) for the tenth time. This recent win was for the 1989-90 academic year, and the Award Plaque was presented to Beta's 1989-90 President, Kirk Yang, by Dr. Richard Schwartz, Head of Purdue's School of Electrical Engineering. The presentation was made at Beta's 1990-91 Spring Banquet which was held on April 13, 1991.

During the Winter of 1990-91, Eta Kappa Nu's OCAA Committee redesigned the award plaque used to commemorate such annual events, and in Beta's case the new plaque stands out among the many others in their award display section, and appropriately so, since it commemorates Beta's tenth year as HKN's National Winner.

It is the intention of BRIDGE and the Eta Kappa Nu BOARD of Directors that this article, and in fact this issue of BRIDGE, will serve as an encouragement to all HKN college chapters while bringing proper recognition to Beta Chapter for their extraordinary record of accomplishment. For this reason, appropriate pages from Beta's winning report are reproduced here along with a copy of Beta President Kurt Richter's recent letter to the OCAA expressing appreciation for the newly designed plaque.

In previous issues of BRIDGE (February 1989 and November 1990) Beta's winning chapter reports have been presented in half-size reproduction to allow four report-pages per BRIDGE page. In the August 1990 issue, Delta Omega's Runner-Up report was presented. Such material has been printed in BRIDGE as a source of reference for all college chapters. The OCAA has noticed that in response to these presentations, the number and quality of submitted reports has increased during the past two years.

The pages which have been selected from Beta's 1989-90 report are shown on pages 14 and 15, which follow this introduction. It is believed that the letter from Beta's presidents and the sections which present an overview of their year, their service activities, their social activities, and their pledge-class activities will provide the BRIDGE audience with a good profile of Beta's characteristic approach.

CERTIFICATE OF MERIT

For many years the annual Outstanding Chapter-Activities Award Program (OCAA) had but one, a National Winner. When it was close, an Honorable Mention award or two were included. In the '60's, the award was broadened into regional winner categories to recognize more chapters. But chapter distribution across the country was uneven and the goal was not accomplished.

That's why the Certificate of Merit award (C-of-M) was created in 1980. While there can only be one National Winner, there can be any number of C-of-M awards presented each year. Its purpose was encouragement and recognition of up-and-coming chapters. If the National Winner represents the epitome of Eta Kappa Nu, then a C-of-M winner typifies the spirit of what Eta Kappa Nu is all about.

C-of-M winners embody characteristics easy to recognize. The chapters are well organized and well managed. Chapter enthusiasm is high. Activities are balanced between social events and service to the department and school. Their annual chapter report shows pride in their accomplishments, and a view to the future to do even more.

Chapters like this are vital to us all, and one of the goals of the C-of-M is to encourage such chapters to continue their meritorious work. Since its inception in 1980, 37 C-of-M awards have been presented. In this past year alone, there were five. Major components of all five of these winning C-of-M reports have been selected for inclusion in BRIDGE as an encouragement to all chapters and to offer examples which typify the C-of-M standard. In this issue, the main Body (excluding appendices and attachments) of three such reports are presented. They are from Beta Epsilon Chapter, University of Michigan; Psi Chapter, University of Texas at Austin; and Beta Theta Chapter, Massachusetts Institute of Technology. In the November issue of Bridge, selected material from the other two C-of-M winners will be presented. They are Theta Mu Chapter, State University of New York at Stony Brook; and Zeta Pi Chapter, State University of New York at Buffalo.

1989-90 Chapter President
Kirk Yang
Receives Plaque From
Dr. Richard Schwartz



Head Faculty-Advisor
Dr. David Meyer
Is Spring Banquet Speaker

The Newly Designed
National Winner Plaque
Has Centerplace
In Beta's Awards Section





ETA KAPPA NU BETA CHAPTER



ELECTRICAL ENGINEERING BUILDING PURDUE UNIVERSITY WEST LAFAYETTE, IN 47907

June 5, 1991

Alan Lefkow
OCAA National Chairman
Eta Kappa Nu
17 Jacobs Rd.
Thiells, NY 10984

Dear Brother Lefkow,

On behalf of the membership of the Beta chapter at Purdue University, I would like to express our appreciation for the redesigned Outstanding Chapter Activities Award plaque. It is a refreshing and attention-grabbing addition to our display of previous awards.

The plaque was officially presented to the chapter at our Spring Banquet, held on April 13th. Following our local tradition, Dr. Richard Schwartz, Head of the School of Electrical Engineering, presented the plaque to Kirk Yang, president of the chapter during the 1989-90 school year. Professor David "Dr. Dave" Meyer, our chapter advisor and a National Board Director, also gave a presentation on the future of EE education.

I have enclosed several pictures from the banquet for possible inclusion in the BRIDGE. Information for captions is also included below each photo. If you wish any additional information about the awards ceremony, or if negatives of the enclosed photos would be useful, please feel free to contact me at my home telephone, (317) 742-7046.

Sincerely,

Kurt J. Richter
President, Spring 1991

THE NATIONAL ELECTRICAL ENGINEERING HONOR SOCIETY

A Letter From the Presidents

The 1989-90 academic year has been one of the most active and rewarding years in the history of Beta Chapter. It is satisfying to look back and see all that we have done for the electrical engineering department, the Lafayette community, our fellow students, and our members.

It has taken an immense amount of member commitment to accomplish all that we have done. While tackling heavy and challenging academic schedules, Beta members have continued to contribute large portions of their limited time to the activities and services of the chapter. The outstanding leadership and hard work of our fellow officers is sincerely appreciated. Their selfless dedication is what makes this chapter outstanding.

When we joined HKN just a few years ago, we knew that this was a worthwhile organization. However, we did not realize the many rich traditions that have evolved and continue to evolve until we became officers and eventually presidents of the chapter. It is amazing to see the dedication of our members as they sacrifice their own time to help Beta Chapter improve and grow. At any time, day or night, one can find members in the HKN lounge working to make sure we have all the products in stock, planning new activities, making posters and signs, organizing the next actives' meeting, or conducting committee meetings. It is touching to see how much our members care about the success and future of the chapter. We are very proud to be a part of this outstanding organization and to share this pride with all of our active members.

Besides the officers and members, credit must also be given to the members of the Executive Committee and our Faculty Advisors. The individuals of these groups provide a never ending source of advice, guidance, and inspiration. Even after leaving the university, many members of "Execomm" continue to keep in touch through electronic mail.

Finally, we would like to express our appreciation to the School of Electrical Engineering at Purdue. Despite a perpetual space problem, they have continued to permit the chapter to occupy two rooms for the student lounge and have this year allocated a third room for our new student lab. Their support for our activities and services help us to perform at our maximum potential.

The following annual report represents the highlights of the 1989-90 academic year. While focusing on the dedication and hard work of our members, we also hope to show that we had a lot of fun and were greatly rewarded while striving to maintain our reputation as "The Nice Guys" of Eta Kappa Nu.

Respectfully submitted,

Michael W. Branson

Michael W. Branson
President — Spring 1990

Kirk Y. Yang

Kirk Y. Yang
President — Fall 1989

The Year in Review

The objectives of Beta Chapter, as outlined in our bylaws are (i) to uphold the purposes and statutes of Eta Kappa Nu Association as set forth in its Constitution and Initiation Ritual, (ii) to promote higher scholastic attainment and desire for greater knowledge in the studies prescribed by the School of Electrical Engineering at Purdue University, (iii) to foster a spirit of respect for and cooperation with the faculty of Purdue University, and (iv) to cooperate with the various professional and honor societies on the campus. Beta chapter fulfills these obligations through service to our fellow students, our school, and our surrounding community.

The Purdue University School of Electrical Engineering benefits greatly from the many services Beta Chapter provides. One of our largest contributions continues to be our lounge operation. In addition to the usual food and drinks, the lounge provides the only copier and laser printer service available to all students in the Electrical Engineering Building. The annual cash flow for the lounge exceeds fifty thousand dollars a year which reflects the number of people served each day. Basic lounge operations require over 100 man-hours per week. It provides a comfortable place for students to study, relax, and socialize. In addition, Beta maintains a collection of composite pictures representing each EE graduating class, a board with pictures of the present EE faculty, and a series of "Meet the Professor" articles posted in the EE building.

Beta's most substantial new project of the year was the EE Student Lab. Members of the lab committee worked nonstop from the proposal in the late spring of 1989 until the grand opening on November 1, 1989. Thousand of dollars of equipment and parts were obtained for this facility which will benefit both the school and students for years to come.

Once again, the chapter participated in the annual Purdue University "Phone-a-thon" this year. With our help, over fifty thousand dollars were raised for the School of Electrical Engineering. As usual, Beta declined the school's gracious offer of 10% of the total amount. The school does so much already for the chapter, namely the use of three rooms for our lounge and lab, free utilities, and encouragement for all of our services and activities. In addition, this year the school specifically aided the alumni newsletter project through assistance in the purchase of a desk-top publishing package and use of the departments printing services.

Beta Chapter continued its service to the Lafayette community this year. The annual Thanksgiving Food Drive was a wonderful success. Fifty food baskets were made then hand delivered to local needy families suggested by the Salvation Army. Soup Kitchen Days in the fall and spring raised approximately one thousand dollars for the local St. Ann's Soup Kitchen. The chapter also provided volunteers to help unload trucks at the Lafayette Food Finders Food Bank and collected aluminum cans for the

benefit of neuro-fibromatosis.

The chapter continued to sponsor bi-weekly industrial presentations. These were great opportunities for all EE students to learn more about companies and "real-world" problems while enjoying free pizza and soda supplied by the companies and "the nice guys" of HKN. The bi-weekly active meetings were held immediately following the industrial presentations. These well organized events were both informative and entertaining to the members while focusing on the status of current projects and activities and relating the countless opportunities to increase involvement.

Our resume book service is still going strong. Copies of this year's book, containing over 200 EE student resumes, were sold to over 100 companies. Also continuing successfully were our Take-a-Prof-to-Lunch and Brown Bag Lunch programs. These mid-day affairs help to continue a positive relationship between faculty and students through presentations and informal luncheons.

Beta has also sponsored a number of activities to provide EE students with a brief escape from studies. The events included many TGIF pizza parties, each with a different theme, two picnics (one each semester), and intramural teams including volleyball, basketball, and softball. As another first for the year, Beta sponsored individual tournaments in tennis, racquetball, pool, and chess.

This year marked a new era for the chapter as we welcomed two new faculty advisors, Professor Henry G. Dietz and Professor Anthony A. Maciejewski. We were honored to induct Professor Dietz into membership of HKN at our 1989 Fall Banquet. Our advisors, under the leadership of Professor David G. Meyer, provide the foundation for our mutually beneficial relationship with the School of Electrical Engineering and support for all our activities and new ideas.

Beta Chapter has continued to grow through our dynamic pledge program; however, each year we must also say good-bye to some of our active members of the past. Most notably we will miss former chapter presidents Ron Harber and Jim Lump. For the many years of dedication and service given to the chapter by Ron, the Ronald G. Harber Exceptional Chapter Service Award was created in his honor. This award was designed to be presented only under those rare occasions when a chapter member devotes not only their time and energy to the chapter but also years of dedication, service, and leadership with a self-less spirit beyond which words can express. A member who, like Ron, has shown this devotion was Execomm member Jim Lump. Jim received the Harber Award on December 3, 1990, and has been the only member to receive the award since the award was conceived. The legacy of Ron, Jim and many before them provide a shining example of dedication to fellow electrical engineers. These brothers are the epitome on Eta Kappa Nu.

Beta Chapter was honored to win the "Vicki Michelson Memorial Award" for the second year in a row. This award is presented by the Purdue Engineering Student Council to the best engineering society on campus. Beta Chapter is very proud to be recognized for its hard work and large member participation.

Services

This past year Beta Chapter continued its tradition of service to the School of Electrical Engineering, Purdue, the Greater Lafayette community, and now to HKNers everywhere. All of the activities Beta is a part of are the result of hard working, dedicated members who care. In addition to many successful community service and other activities outlined in previous sections, there are still more to report.

One of our newest services is already benefiting HKN Chapters throughout the nation. Communication between chapters has been seldom until now. In the fall of 1989, active Ron Harbor sent a letter to every HKN Chapter in the nation requesting electronic mail addresses for each chapter. Through the fall semester, responses came flooding in our two computer accounts and the Beta mailbox. All of these addresses were compiled by active Kurt Richter, and sent, by electronic mail (of course), to all the chapters that responded, and to the International Headquarters in Missouri. Over 20 chapters responded to our request, many along with comments supporting better and more communication between chapters and also a few school rivalry remarks. A copy of the request letter and the present address list is included in Appendix C.

Besides our very popular semi-annual Alumni Newsletter mentioned earlier, Beta continues to support all Purdue EE Alumni by creating and maintaining composite pictures of all students receiving BSEE and BSCEE degrees each year. These composites are posted for all to see in a main hallway of the Electrical Engineering Building.

Two services of special interest to new students are our "Meet the Professors" and "Faculty Photos" displays. The "Faculty Photos" is a display case with a picture of each professor. Included with each picture is the professor's name and major area. The "Meet the Professors" display features a photograph with a one or two page biography of each professor. Officers of the chapter also help with seminars designed to welcome new graduate students at the beginning of each semester. HKN members from other chapters automatically become Beta members when they begin to attend active meetings.

Although Beta realizes that there is no place quite like Purdue, we support all electrical engineering students who investigate other possible places to pursue graduate school. Beta keeps an updated inventory of over 40 pamphlets and catalogs from universities around the world offering graduate programs in electrical engineering. These are located in our lounge and are available to everyone in the school. Along with these, pamphlets from industry are also available to those preparing to enter the work force.

Beta also supports other organizations at Purdue through manpower, service, and financial contributions. A box is located in our lounge that holds current Korean Newspapers paid for by the Purdue Korean Electrical Engineering Association. A large group of members helped support the APO service fraternity blood drive through pint donations. Also, once again Beta Chapter was a major participant in the Purdue Phone-a-thon. Over 60 members called alumni from engineering and other schools to help raise thousands of dollars for Purdue and the School of Electrical Engineering.

Social Activities

Although Beta Chapter spends a great deal of time and energy on its community service and day-to-day general business, we still enjoy having a good time. Therefore, the chapter sponsors many different social events which allow the members and other EE students to get together to forget about school work for a while.

Beta Chapter is famous for its TGIF parties. Every three or four weeks, the chapter reserves space from a local pizza restaurant for students and faculty to enjoy all you can eat pizza for three dollars per person. Each TGIF has a unique, off-the-wall theme, encouraging people to come dressed in all sorts of attire. Pledges are especially encouraged to attend TGIF's as this is the best way to meet current actives and HKN advisors. Some TGIF themes for the 1989-1990 year included "bring your own battery operated device", "fluorescent", "graffiti", "country club", and so on. Our own Professor Dietz even volunteered his house for one of the TGIF'S. These are usually attended by over 75 people.

Another tradition is the picnic. Every semester, Beta Chapter sponsors a picnic at one of the Lafayette parks. Hamburgers, hot dogs, drinks, and all the usual picnic food are provided free of charge. This provides for students and faculty an opportunity to relax, enjoy the weather, have fun, and play some sports. For the last two picnics, the HKN actives have challenged the EE faculty softball team. The faculty won both games. This makes them think that they are good at something other than school. Beta Chapter has been practicing hard and will hopefully gain the next victory.

The Friday following each picnic, the chapter sponsors a "Hamburger Happy Hour." This gala event is held on the lawn in front of the EE Building. All of the leftover picnic food and more are grilled for EE faculty and students. There is usually a frisbee flying and "honks" from cars passing by.



"But I WANT to go to class!" The crowd at a Hamburger Happy Hour blocks an entrance into the EE building.

Beta Chapter sponsored its first "tailgator" before the Iowa-Purdue football game in 1989. Although it was only 30 degrees outside (and snowing), approximately 50 people showed up. Chili was made with the use of a portable power generator. We really hoped that Purdue could actually win that game.

November 25, 1989

Dear fellow Eta Kappa Nu member,

From the Beta Chapter of Eta Kappa Nu at Purdue University, we are reaching out to our friends and colleagues elsewhere. It is our hope that we can establish a better communication medium among the various chapters. With the widespread use of electronic mail networks, we hope to make use of this resource as our communication medium.

Please send us your electronic mail address (UUCP or ARPA address) if your chapter has one. You can either mail us your response or, better yet, send it to us via electronic mail. Our U.S. Mail and our electronic mail addresses are given below.

We are planning on compiling a directory of addresses from all the chapters responding to this request. This directory will then be sent to all the chapters who have responded. Among our plans is the sharing of project ideas and activities of each chapter.

We are looking forward to hearing from you.

Sincerely,

Beta Chapter of Eta Kappa Nu

U.S. Mail Address:

Eta Kappa Nu, Beta Chapter
Room 24
Electrical Engineering Building
Purdue University
West Lafayette, IN 47907

E-Mail Addresses:

hkn@ec.ecn.purdue.edu (ARPA)
pur-ee@hkn (UUCP)

Phone:
(317) 494-3522

The Beta Pledge Process

Beta Chapter would not be able to grow and continue its outstanding tradition of service without continually acquiring new members. Pledge cycles occur twice annually, once during the spring semester and once during the fall semester. The process consists of an invitation and social; meetings, quizzes, and projects; and the initiation and banquet. All of the scheduling and coordinating is under the responsibility of the office of Pledge Trainer. During the 1989-1990 school year, 27 graduate students, 82 undergraduate students, 1 faculty member, and 1 professional staff member were initiated by Beta Chapter into Eta Kappa Nu.

The grades of membership and the eligibility of such persons are as prescribed in the Constitution of Eta Kappa Nu Association. Students with acceptable academic performance are sent invitations to attend a social meeting of Beta Chapter. At this time the active members have the opportunity to become acquainted with the prospective members and the prospective members will be introduced to some of the activities and purposes of Beta Chapter. Those who desire to continue the process are required to attend three pledge meetings. At these meetings, pledges learn about the history of Beta and HKN. Quizzes during the second and third meetings are designed to determine if each pledge is showing an effort to learn and become involved.

Undergraduate students are required to complete a Pledge Board before the third meeting. The Pledge Board is a card with the HKN coat of arms at the top and three columns of blank lines. After neatly lettering in their names and pledge semester, the pledges must obtain signatures from 14 professors, 9 active members, 5 committee chairpersons, all of the officers and faculty advisors, and the Head of the School of Electrical Engineering, Dr. Richard Schwartz. A signature from the Funstuff Chairman can only be obtained by attending one of Beta numerous social functions, such as a TGIF Party, the Semester Picnic, or a Hamburger Happy Hour. The Lounge Chairman's signature is given only after attending a lounge orientation meeting and tour and serving a one hour lounge duty with two active members. The Pledge must pay the required \$50 lifetime membership fee to the Treasurer before obtaining his signature. Of each pledge's fee, \$23 is sent to nationals and the remainder is used to fund the Pledge Initiation Banquet, which is free to all Beta pledges, actives, and alumni. If a pledge is unable to afford the initiation fee, a vote of three-fourths of the active members will approve an advance of the fee that must be repaid within 18 months of the member's graduation. A sample pledge board is shown in Appendix D.

Not required, but always a lot of fun is the semi-annual pledge/active game. Here, the pledges challenge the actives in a sporting event of their choice. Recent games included touch football, softball, and volleyball. Of course the actives "always" win...

Every undergraduate and graduate pledge must complete a Pledge Project. These projects are in the form of service to the school and are supervised by active members. Most pledge projects require no more than five or six man-hours per pledge. Some recent projects included assistance with faculty photos, graduate composites, phone-a-thon, lounge cleaning, alumni newsletter and resume purchasers databases, and work in the new student lab.



Beta Epsilon The University of Michigan The 1989-1990 Year-End Report



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Greetings from the Presidents

This past year has seen steady growth in the Beta Epsilon chapter's activities. Although pressured by busy academic schedules, the members and officers of this chapter have put forth the effort and enthusiasm necessary to expand our calendar and increase the scope of our projects. Most importantly, however, the friendships cultivated and experience obtained through our involvement with this chapter will with us long into the future. Indeed, this was a very memorable year and promises even better years to come through the ever more enthusiastic membership.

We wish to thank all parties involved with the Beta Epsilon chapter's activities: the administration of the College of Engineering, our faculty advisor, our officers, and especially the steadily growing membership. The time and energy contributed by our membership not only enhances the college experience for members, but hopefully for all those affected by our projects.

This report attempts to give a clear but brief overview of the activities and projects of this chapter over the past academic year. We hope that we have conveyed the spirit and enthusiasm which keeps this chapter one of the most active societies within the College of Engineering.

Grace Chen
Grace C. Chen
President, Fall 1989

Michael D. Snyder
Michael D. Snyder
President, Winter 1990

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Overview:

The Eta Kappa Nu Beta Epsilon chapter at the University of Michigan is a thriving organization that initiates approximately twenty-five students each semester. Our society provides actives and electees with the opportunity to become informed about courses, faculty, research, and career opportunities by encouraging active interrelations between students, professors, and the administration. New friendships are strengthened through a variety of social activities which are organized to encourage students to experience facets of college life aside from academics.

The Beta Epsilon chapter is not merely an organization created to serve its members. We also serve the Department of Electrical Engineering and Computer Science (EECS), the College of Engineering, the university, and the community. We volunteer time at the Ann Arbor Hands-On Museum, where youngsters discover the magic of science and nature in fun ways. We serve the students and staff of the College of Engineering by providing doughnut, hot beverage, and juice sales located in the Atrium of the EECS building. We also assist the university's student body by offering free tutoring for many lower level liberal arts and engineering courses.

The students of the Beta Epsilon chapter also have the opportunity to discuss career options and to receive valuable contacts from commercial representatives who are invited to speak at our meetings. Many firms contact our organization in order to recruit electrical and computer engineering students with a strong academic record.

Of course, our members develop lasting friendships within the organization. We have found no better way to encourage student relations than through a multitude of social activities. Among the many activities are happy hours, hayrides, bowling, miniature golfing, and the semiformal initiation banquet held at the end of each semester. The past year has shown an explosion in intramural sports which encourages well deserved study breaks and stress relief. We especially like to plan events with other organizations. The Society of Women Engineers (SWE), the Institute of Electrical and Electronics Engineers (IEEE), and Tau Beta Pi (TBP) all have active chapters at Michigan with which we often work in organizing both service and social activities.

The Officers:

Although we try to have as many members as possible involved, a small group of people are responsible for the organization of the chapter each semester. These people have to deal with the not-so-fun aspects of managing the money, ordering food, and other daily business. Furthermore, they must manage the big activities such as the initiation, faculty/student wine and cheese mixer, and finding speakers for meetings. These officers have been able to enthusiastically run the Beta Epsilon chapter during the past year.

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Fall 1989 Officers (right):

Back row: Bryan White, Linnea Nooden, Michael Snyder, Nathan Church, Darryl Girbach.

Front row: Gladys Lim, Susan Dork, Grace Chen, Linda Sanchez.



Winter 1990 Officers (left):

Back Row: Robert Kellner, Cathy Thomas, Michael Snyder, PJ Sherhart.
Front Row: Robert Hayosh, Kathy Nadzan, Judy Tundo, Gladys Lim, Dave Putti.

Fall, 1989

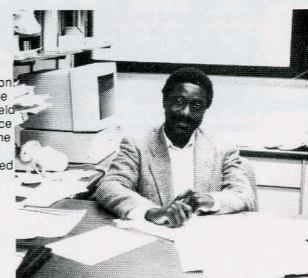
President: Grace Chen
Vice-President: Darryl Girbach
Treasurer: Michael Snyder
Recording Secretary: Gladys Lim
Corresponding Secretary: Susan Dork
Project Chairperson: Bryan White
Activities Chairperson: Nathan Church
Bridge Correspondent: Linnea Nooden
Newsletter Chairperson: Linda Sanchez

Winter, 1989

Michael Snyder
Cathy Thomas
Gladys Lim
Judy Tundo
PJ Sherhart
PJ Sherhart
Robert Hayosh
Robert Kellner

Our Faculty Advisor:

Professor Herbert G. Winful is an associate professor in the Electrical Engineering Division. He teaches both undergraduate and graduate courses in optics. He has enthusiastically held the Beta Epsilon Faculty Advisor position since 1988. During the past two and a half years, he has provided support, advice, and encouragement, and has consistently attended our many functions.



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Each semester Eta Kappa Nu sends a few electees as volunteers to the museum. They may work as office aides, computer programmers, teaching assistants, or exhibit helpers. The museum is a non-profit organization and relies heavily on their volunteers to provide quality services. Beta Epsilon student members gladly volunteer time in order to help others.

Besides fulfilling a possible requirement for election into Eta Kappa Nu, volunteering at the Ann Arbor Hands On Museum provides volunteers with the satisfaction of knowing that they are contributing to the community. Helping children learn about themselves and the world around them, as well as helping them to develop an interest in science, are very rewarding experiences.

Doughnut Stand:

Each semester the Beta Epsilon chapter of Eta Kappa Nu operates a doughnut stand from its office in the EECS Building Atrium. The doughnut stand is open five days a week from 8:00 am to 12:30 pm. Fellow North Campus inhabitants may choose from thirteen varieties of donuts, coffee, tea, hot chocolate, and five flavors of fruit juice.



Above: Winter Doughnut Stand Manager Cathy Thomas displays the new juice selection. Right: First sale of the morning.

This service is greatly appreciated by the people on North Campus as there are few places to get food aside from a vending machine. It also provides a quick, inexpensive, and convenient way to get that morning dose of caffeine, or make up for that missed breakfast. The doughnut stand is the chapter's main service project requiring a great deal of effort by all those in the group. Working the doughnut stand is a required project for every electee. However, it represents much more than simply a required project. For the first few weeks of each semester, active members run the doughnut stand and then train the electees before the electees take over the job themselves. All the while, the officers put in numerous hours to insure that all the necessary items are in stock and deliveries are made on time. It is quite a credit to the

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Meetings:

Each semester, our chapter holds six or seven business meetings. During these meetings, business, service projects, and social activities are discussed among both active and electing members. Most of the meetings feature speakers from the college or from industry. As always, we assist on money and time management by providing dinner after the meetings.



Pizza Time!

Time is spent each meeting with reports from other societies in the college. This is the best opportunity for us to hear what IEEE's weekly luncheon is about, learn when SWE is having their next happy hour, and find out when TBP's next CPR class is. Our members also have the opportunity to relay announcements to the group. Although there is an electronic mail group for our chapter, the best discussion is heard at our meetings.

Service Projects:

The Beta Epsilon chapter is involved in many service projects each semester. Each initiation class is required to participate in these projects, and many active members volunteer their time as well. The chapter provides service to the University and its community through the following projects.

Ann Arbor Hands On Museum:

One way that Beta Epsilon members provide service to the Ann Arbor community is through volunteer work at the Ann Arbor Hands On Museum. The museum is unique as far as museums go in the fact that looking, touching, and doing are stressed.

The museum is a science and discovery museum aimed primarily at children. Exhibits include a computer room with interactive educational games on display and a section devoted to the basic workings of the human body with demonstrations to test hearing and eyesight. There is also a nature center including an aquarium and a habited beehive! Other displays demonstrate the basic laws of physics and describe different world cultures. Additionally, the museum periodically sponsors classes and workshops on the above topics and others for children of all ages.

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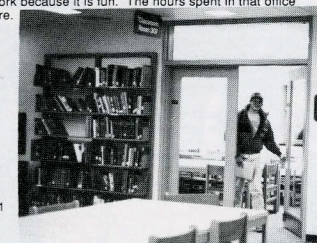
active membership of the Beta Epsilon chapter for having such a continued enthusiastic attitude toward the group. It takes a special kind of person to give up his/her free morning hours to come in and sell donuts.

But beyond the logistics of operating the doughnut stand there is much more. The doughnut stand has become a place to come to relax and lounge, to talk among old friends and make new ones. It has become a place that fosters good working and personal relationships among members old and new. Many active members enjoy coming back each semester to work because it is fun. The hours spent in that office are not a chore, but are a pleasure.

Tutoring:

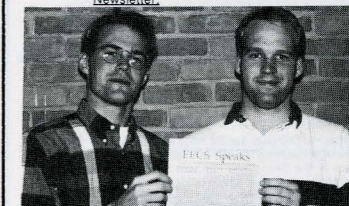
Our members, both active and initiating, along with electees from Tau Beta Pi, assist students in physics, mathematics, chemistry, and introductory engineering courses.

Tutoring is provided in the Undergraduate Library from 7-11 pm, Monday through Thursday Evenings. Approximately 400 students were assisted in 20 different classes by Beta Epsilon students this past year.



PJ Sherhart opens room 307 - reserved four evenings a week for tutoring.

Newsletter:



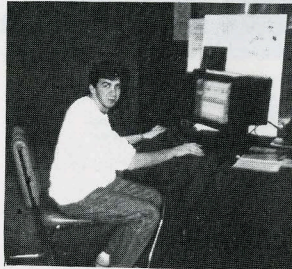
Rob Kellner and Dave Olsen display the first 1990 issue of *EECS Speaks*.

Until two years ago, a newsletter for EECS students was a rare occurrence. IEEE occasionally published a one-page report, but members felt it was inadequate. *EECS Speaks* is a four to eight page newsletter with information about curriculum, activities, career news, and miscellaneous items. It is a joint effort with the IEEE student branch. In addition, we received a grant from General Electric, which has allowed us to expand the scope and depth of topics covered.

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Tech Day:

During a single Saturday every fall, the College of Engineering invites hundreds of high school students from around the state to visit the facilities to learn about the opportunities available at the University. The student groups have the opportunity to become involved in this event by giving lab tours, and setting up displays. The Beta Epsilon chapter, along with the student IEEE chapter, put together a display that featured a NeXT computer, a HERO robot, circuit designs on Apollo



Tech Day Chairman Jeff Abramson demonstrates NeXT Computing Power.

workstations, digital design lab applications, radar devices, and other applications with which engineering students in our department work.

We also arranged laboratory tours given by faculty members of the Optics Laboratory, the Solid State Electronics Laboratory (including the class 100 clean room), the Radiation Laboratory, and the Artificial Intelligence Laboratory. This certainly does not include all of the labs in our department, but it was enough to give the typical high school student an introduction to the department, and to what the university has to offer.

The college administration recognized our EECS display as the best of all of the departments, and we were awarded an engraved plaque that is displayed in the EECS building atrium.

Tours:

High school students visit the College of Engineering on a smaller scale throughout the entire year. In many instances Beta Epsilon members will take an hour or so of their afternoon to give brief campus tours of the engineering facilities. These tours encompass all departments, not just the Electrical Engineering and Computer Science facilities. In addition, members occasionally give full campus walking and bus tours, for high school students and alumni reunions.

Academic and Industry Relations:

Meeting Topics:

The students in the Beta Epsilon chapter have a valuable opportunity to gain contacts in both industry and within the department. Most meetings feature a speaker with technical presentations, seminars, and career information. The following is a list of the speakers for the past academic year:

- | | | |
|----------|--------------------------------|---|
| 10-9-89 | Kieth Dompier - Intel | Career Opportunities at Intel. |
| 10-23-89 | General Electric | Career Opportunities at GE. |
| 11-6-89 | Professor V. Liepa | The FCC and Its Regulations. |
| 11-20-89 | E.S. Davidson - Dept. Chairman | New Faculty, Problems, and Issues in the EECS Department. |
| 2-5-90 | Professor H. Wintul | Chaos in Non-Linear Optics. |
| 2-19-90 | Allison Lear - Eli Lilly Corp | Career Opportunities in the Pharmaceutical Industry for EE/CEs. |
| 3-12-90 | Marilyn Hansen - Aerospace Co. | Aerospace Opportunities for EE/CEs. |
| 3-19-90 | Professor A. Robinson | Graduate School Options. |
| 4-2-90 | T.B.A. Senior, Assoc. Chairman | New Faculty, Problems, and Issues in the EECS Department. |

Curriculum:

Our chapter has direct contact with the curriculum committees, which allows members to express their opinions about class changes and requirements. In November, 1989, discussions were held in regards to the status of the circuit courses in the Computer Engineering Undergraduate Program. Due to input from the Beta Epsilon chapter, several of our members were able to convince the committee that some less rigorous courses needed to be dropped, and that the CE students should take the same circuit courses that EE students take. The result is a more stable core program for all undergraduates and graduates in the department.

Professor of the Year:

Each winter, the chapter organizes the professor of the year award. Our members distribute ballots to EECS classes and encourage students to vote for their favorite professors. The chapter awards the Professor of the Year to the top vote receiver and presents the award at the annual EECS luncheon. A plaque which is located in the department offices display all past winners. This year, the honor was awarded to Professor Andrew Yagle, an Assistant Professor in the EECS department.

Finances:

There is little doubt that the treasurer has the busiest job of all the officers. He/she manages all income from the doughnut stand, and must handle all bills and cash deposits. A summary of spending and receipts follows (amounts are approximate):

Expenses:	Amount:
Doughnut Costs	\$ 12,136
Paper Products for Doughnut Stand	\$ 2,734
Coffee and Misc. Supplies	\$ 1,300
Juice Costs	\$ 2,800
Refrigerator	\$ 125
Meeting Food	\$ 2,000
Banquet Fall 1989	\$ 2,485
Banquet Winter 1990	\$ 2,500
Happy Hours	\$ 425
Wine and Cheese Fall 1989	\$ 548
Wine and Cheese Winter 1990	\$ 580
IM Sports Registration Fees	\$ 167
Recreational Activities	\$ 174
Monte Carlo (total for both semesters)	\$ 300
Michigan Daily Advertisement	\$ 200
Nationals (Certificates)	\$ 1,000
Electee and Officer Pins	\$ 472
Publicity, Film Developing, and Slides	\$ 320
Scholarship (total for both semesters)	\$ 500
Newsletter	\$ 120
Total:	\$ 30,306

Receipts:	Amount:
Doughnut Stand Income	\$ 27,440
Initiation Dues (68 members)	\$ 2,880
Extra Banquet Tickets	\$ 200
Department Donation for Fall 1989	\$ 400
Wine and Cheese Department Donation for Winter 1990	\$ 400
Wine and Cheese	\$ 180
IEEE Donation for Wine and Cheese	\$ 100
Industry Donations for Meetings	\$ 100
Total:	\$ 31,600

Faculty/Student Wine and Cheese Mixer:

Twice a year, the Beta Epsilon chapter along with IEEE sponsors an informal mixer for the students, faculty, and staff of the EECS department. This event is held in the EECS building atrium, where food and drink are served. Past mixers have featured harp players and jazz bands for entertainment.

The mixer is one of the few times that the building is buzzing with activity on a Friday afternoon.

The mixers give the students a chance to speak with their professors in an informal environment. Much time and effort is spent organizing this event to make the atmosphere enjoyable for both students and faculty.



Top: A Jazz band entertained during the Winter 1990 Wine and Cheese.

Above: A second floor view of the event.

Left: Tom Hoy (center) and Grace Chen (right) find the refreshments, while Michelle Stock (left) talks to Professor Wintul.

Scholarship:

Each semester, a Beta Epsilon member is awarded a scholarship for his/her academic performance in the department and involvement in both campus and community services. The scholarship is just one small way of rewarding students who sacrifice their time to provide a better environment at the University.

Right: Incoming President PJ Sherhart (right) presents Tim Westman (left) with the scholarship for the Winter 1990 semester.



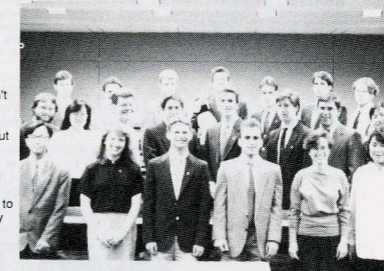
Initiation and Elections:

At the end of each semester, electing members are initiated into the active membership of Eta Kappa Nu. The hard work and enthusiasm that each electee has provided to the chapter has paid off as each student is initiated. The formal ceremony is followed by election of the new officer class for the next semester. The elections are the last formal event of the semester; it is followed by the banquet and the end of the term social activities.

Social Events:

The student members would probably go crazy if they didn't have the opportunity to enjoy themselves through chapter activities. The best thing about these activities is that even though they are Beta Epsilon functions, the events are held with many other student groups, and are always open to everyone, which means many guests!

TGs, recreational events, and sporting events are held throughout the year.



The first initiating class of the 1990's!

Intramural Sports:

Perhaps the most expanded activity for our chapter the past year has been the sports teams. In previous terms, we were lucky to win a volleyball game or have enough participation to form teams in other sports. This year we fielded one softball team, one football team, one basketball team, and two volleyball teams. The softball team did well despite no practices, along with our football team which lost a controversial thriller in the playoffs.

In the winter term, Air HKN took to the basketball courts and made it to the third round of the playoffs. Both volleyball teams, which had weekly practices, made it to the semi-finals, which is a tremendous accomplishment for two teams which only won a combined one game last year. Look for a championship next year - all players are returning!

Right: Softball "practice" between classes.

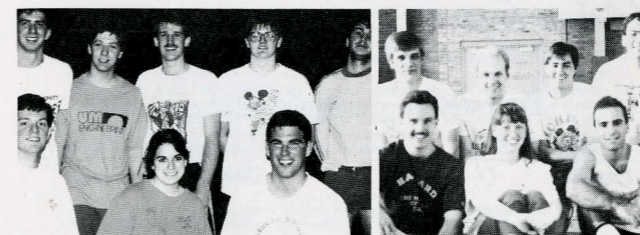


Above: Dedicated football players celebrate their victory in the mud and rain.



Below: Air HKN I Volleyball squad.

Below: Air HKN II Volleyball squad.



Initiation Banquet:

The banquet after initiation is more like a fraternity formal dance rather than a technical banquet. By the end of the semester, most of us don't want to hear any more technical talks or discuss projects, so we opt for a dinner, award ceremony, and dance. It is always a tremendous amount of fun, and is one activity that gets old actives to return to year after year.

Right: A DJ provides the music, and the students provide the dancing. The dinner is over at approximately 8:30pm, and dancing lasts past midnight. Approximately seventy students attend the event, and many bring guests.



Left: Students take a break between dinner and dance.

From left to right: Jeff Abramson, Cathy Thomas, Kathy Nadzan, Jodi Rathbun, and Tom Hoy.

During the evening, awards are presented to Beta Epsilon members for the service and enthusiasm towards the group. This year, the group gave our faculty advisor, Professor Wintul, an engraved photo album with highlights of the past several years.

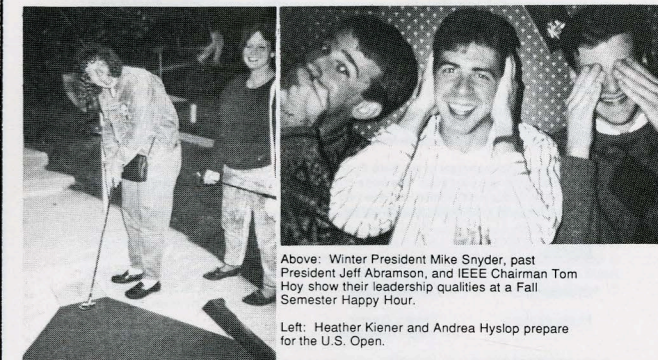
In addition, the following students received awards at the past two banquets:

- Outstanding Electee Members: PJ Sherhart (Fall), Stephanie Douglas (Winter)
- Best Electee Exams: Doug Baker (Fall), Tim Westman (Winter)
- Outstanding Active Member: Jeff Abramson (Fall-Winter)

Recreational:

TG's:

This activity needs no explanation. Friday afternoon get-togethers are probably the best idea since open book examinations! The local establishments fill with Beta Epsilon members for an evening of relaxation and fun.



Above: Winter President Mike Snyder, past President Jeff Abramson, and IEEE Chairman Tom Hoy show their leadership qualities at a Fall Semester Happy Hour.

Left: Heather Kiener and Andrea Hyslop prepare for the U.S. Open.

Putt-Putt:

A new activity for our chapter, putt-putt golf still attracted over 20 members despite a cold Michigan fall evening. Although much is left to be desired with our members' putt-putt ability, we had a great time making up excuses for the scores we achieved.

Bowling:

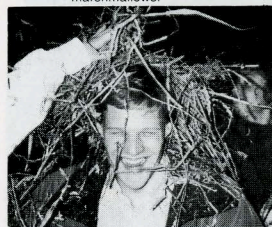
Thirty-two members and guests attempted to join the 300 club. The highest score was a personal high of 178 by our winter term President Mike Snyder.

Ski Trip:

Well, it didn't snow, so it was cancelled. A disappointment for the 30 who signed up.

Hayride:

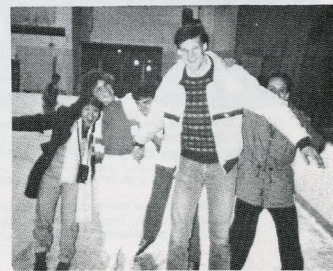
This one was huge, since it was with Tau Beta Pi and SWE. Over 80 students commandeered three tractors and by the end of the evening, we all had hay in our shirts, in our hair, and in our pants. The evening ended with a large bonfire and marshmallows.



Above left: Tom Hoy gets dumped on for the twelfth time that evening. Above right: Brian Rashap and Wendy Graham prepare for a hay barrage, while Krista O'Rourke, Dave Cantrell and Heather Kiener look on.

Ice Skating:

Even though it was just before finals, a group of dedicated Beta Epsilon and IEEE members took to the ice arena for an evening of blisters and spills. With the new talent we saw, someone should warn Wayne Gretzky.



From left to right: Pam Ho, Suzette Zick, Jeff Abramson, Tom Hoy and Jon Englebert decide the best way to keep from falling is to hold on to each other.

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The Future:

This past academic year has brought several new projects and activities to the chapter. It seems unrealistic that we can continue adding to the events each year, but it does happen, and many members are already busy on the 1990-1991 year plans.

We have several projects that will be implemented this upcoming year. The resume book was started last year but needs a little more work to get off the ground. By fall, we hope to distribute it to engineering companies around the country. With a grant from General Electric for the newsletter, we are planning to start sending *ECECS Speaks* to Alumni, so they can keep in contact with their alma mater and its activities. We are planning to work with Freshman Counseling to become involved in a peer counseling program. Finally, we are going to start an extensive course evaluation project, where students can get advice on which classes to take, and which ones not to take at the same time.

With all of the above activities planned for within the department, we have also considered several ideas for possible charity events. One such possibility is planning a party at the Hands On Museum where all Beta Epsilon Members can get involved.

The officers and members of the Beta Epsilon Chapter of Eta Kappa Nu have done an outstanding job this past year. We hope that this report provides an accurate description of the involvement we have had with the department and student body. And we hope for even better year to come!

Credits:

Chairperson: Jeff Abramson
Photographers: Dennis Gentry, Adam Greenspan
Committee Members: Tom Hoy, Kathy Nadzan, David Olson, Dave Putti, PJ Sherhart, Mike Snyder, Cathy Thomas, Judy Tundo

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Monte Carlo Night:

Along with Tau Beta Pi, this event is organized twice a year. Students play blackjack, craps, and roulette, and attempt to win as much pseudo money as possible. Prizes are auctioned off at the end of the evening. About 100 students enjoy this activity each semester.

Right: Scott Chupack deals blackjack.



Springfest:

The last day of classes means no more homework sets, and no more 8:30 lectures. It also means that Springfest has arrived. Springfest is a large college wide outdoor party to celebrate the last day of classes. Each student society has a game or event, including a dunk tank featuring faculty and student leaders, a pie eating contest, popcorn sales, and a Win, Lose or Draw game. This year, the Beta Epsilon chapter sponsored a basketball free throw contest.

In addition to the events, 52 teams (including Air HKN 1 and 2) entered an outdoor volleyball tournament, and everyone listened to the local band, Mission Impossible. Pizza, bratwurst, baked goods, soft drinks and other refreshments were available.

Since the event was held immediately in front of the North Campus engineering buildings, it was hard to miss, and over 3000 students and faculty participated in the event. And even the weather cooperated this year; it was 90 degrees and sunny!

Right: Mission Impossible performs outside during Springfest.



Certificate of Appreciation

On behalf of the Board of Trustees of the Ann Arbor Hands-On Museum, this Certificate of Appreciation is hereby presented to:

Eta Kappa Nu

Your support so generously given will forever merit the appreciation and thanks of all who visit the Museum.

Presented on April 8, 1990

Jim Meyer
President

Cynthia...
Director

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PSI CHAPTER

ETA KAPPA NU

UNIVERSITY OF TEXAS AT AUSTIN

1989-90 ANNUAL REPORT

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Introduction

The Psi chapter of HKN proudly resides in the Engineering Science (ENS) building on the campus of The University of Texas at Austin. The goal of this chapter is to provide these students a fulfilling and enjoyable organization in which to participate. The chapter takes pride in the participation of its members and strives each year to increase the number of members who are active.

The chapter feels that students want to participate in an organization which will give them a chance to meet other students and which sponsors and supports meaningful activities. Our goal is to be such an organization by serving the students, the school, and the community while providing our members an opportunity to meet other students and faculty. The chapter seeks to achieve this goal each semester through a mix of service and social activities. We organize and sponsor social activities each semester which involve students and facilitate faculty/student interaction. These social activities increase member participation and interest and provide members an opportunity to meet each other and faculty. We also organize and support many substantial service activities each semester. These service activities maintain the chapter's image as a worthwhile organization supporting truly meaningful projects. This combination of service and social activities is our successful recipe for producing an organization in which students want to participate.

The Psi Chapter of Eta Kappa Nu has strived for the past few years to achieve several goals that we feel will make us a better service-oriented organization. In academic year 1989-90, we feel that we have made major strides in this area. We have added service projects which have positively affected both our Electrical and Computer Engineering (ECE) Department as well as the Austin Community. This report summarizes that activities of this chapter in three areas: service activities, financial activities, and social activities.

Officers and Committees

The Psi Chapter relies heavily on its officers for the efficient operation of this chapter's activities. The officers for the academic year 1989-90 appear below:

Office	Fall 1989	Spring 1990
President	Garret Okamoto	Glen Stancil
Vice President	Justin Clement	Michael Grant
Treasurer	Glen Stancil	Hyon Han
Recording Secretary	H. Elizabeth Koh	Archie Holmes
Corresponding Secretary	Archie Holmes	Elizabeth Kao
Bridge Correspondent	James Early	Garret Okamoto
Pledge Secretary	Mike Grant	Kirk Fertitta
Sec Representative	Crystal Doubrava	Andy Jones
Sec Representative	Kirk Fertitta	Adrian Holmes

During the 1989-90 academic year, our chapter had four advisors who we often turned to for advice and suggestions on how to improve our organizations. The advisors are: Dr. Francis Bostick, Dr. William Duesterhoef, Dr. Christine Maziar, and Dr. Al Tasch.

In order to get information about upcoming events to our pledges and actives, we used a calling committee system. Each member of the calling committee is responsible for calling a set number of pledges and actives about events upcoming in the next week as well as to remind them about the events on which they signed up to help. We have found this method of communication, along with the posting of flyers and posters and the distribution of calendars, to be effective in keeping our members abreast of out events.

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Service Activities

The Psi Chapter of Eta Kappa Nu is committed to expanding our service activities in the coming years. Our chapter feels that the best way to have a positive effect on our department and our community is to get involved. The following is a summary of our service activities in 1989-90.

Freshman Retention

The College of Engineering at the University of Texas has noticed a trend of more students leaving engineering after one year for a variety of reasons. Due to this nationwide trend, Eta Kappa Nu, in conjunction with the ECE department and other ECE student societies (IEEE and IEEE Computer Society) put together four different activities designed to help freshman feel more a part of the College and encourage them to stay in engineering after the first year. In the Fall 1989 semester, Eta Kappa Nu along with the ECE department and other ECE student societies organized the first Freshman Burger Burn. Letters were sent out to all freshmen enrolled in the Department of Electrical and Computer Engineering. HKN bought the supplies for the burger burn and helped in the preparation of the food. This event was a huge success. Over 90 freshmen and 50 upperclassmen and faculty members joined us in a nearby park for some food and fun. In the Spring 1990 Semester, HKN continued its freshman retention activities with a night at Malibu Arcade and Grand Prix. HKN, along with the department, informed all freshmen in ECE about the event by letter, rented out the business for two hours, and invited all freshmen and officers from the ECE student organizations for a night of video games and racing cars.

Also during the 1989-90 school year HKN put on two events for ECE freshmen by themselves. The first was a freshman tutoring night where HKN actives and pledges meet to help ECE freshman with problems they may be having in their classes. The second was two freshman advising nights where HKN actives helped ECE freshman plan their schedules for the next semester and answer any questions they may have on the undergraduate program in electrical engineering.

Tutoring

Every Tuesday and Wednesday night, HKN actives and pledges help all students with all freshman and lower-division ECE courses during our designated tutoring night.

Registration Advising

Members of the faculty and administration of the ECE Department have entrusted the Psi Chapter with the important responsibility of advising its 1200 students during pre-registration. This is an important part of the operation of the ECE Department. HKN members must be aware of pre-requisites, class limits, work and course load restriction, requirements for admission into major sequence (upper division classes), and course organization. Since HKN members are also ECE students, they are able to advise fellow students as to the content and difficulty of ECE courses and the amount of time that should be budgeted for specific classes. This activity is a service to the students as well as the department. Without this service, the ECE Department could not pre-register its students. The work of chapter members makes the process possible.

Brackenridge

A new service program initiated during the 1989-90 academic year was at Brackenridge Children's Hospital. At the children's hospital, there is an entertainment room

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and a child care room which is kept open for patient use by volunteers. HKN committed to keeping these rooms open on Sunday afternoon and early evening. Each HKN member who participated in the program had to go through a three-hour orientation program. At the beginning of the academic year, HKN was keeping these rooms open every other Sunday. However, as more of our members went through the orientation process, we were able to commit to keeping these rooms open every Sunday.

Capital Area Food Bank

Each spring semester at the University of Texas, The student organization Project Reachout sponsors a university-wide volunteer day. In the Spring 1990, HKN participated for the second year in a row by helping out at the Capital Area Food Bank. The Capital Area Food Bank collects and distributes food to the underprivileged citizens of the Austin area. HKN helped in the reorganization of the warehouse after the busy Christmas and winter season.

Carver Library

HKN members participated in the Carver Library Tutoring Program in the 1989-90 academic year. The Carver Library Tutoring matches our participating member with a underprivileged elementary student in Austin for tutoring on Monday night. The members who commit to this program meet with the student every Monday night throughout the school year.

Blood Bank

Another new service program initiated by HKN during the 1989-90 academic year was the HKN blood bank. Twice every semester, HKN actives and pledges go to the Central Texas Regional Blood Bank and donate blood in the name of HKN. This blood is to be used if a member of the ECE department student body, faculty, or staff member is ever in need of blood. If the blood is not used for this purpose, HKN will donate the blood to the Blood Bank for general use. In the 1989-90 academic year, HKN collected over 15 pints of blood in its account.

Parts Bin

The Parts Bin is an important service provided to the Department by HKN and the other ECE student societies. The Parts Bin stocks electronic components and other equipment that students may need in order to complete their lab courses. HKN provides an extensive number of service hours to this project by having our members be there to sell the components to the students.

Save the Children

This year, HKN also sponsored a child in the Save the Children Program. Our child's name is Naima and she resides in Ksar Louh. In the future, HKN hopes to be able to support more children in the coming years.

Scholarship Endowment

The Psi Chapter of HKN started a scholarship endowment for the ECE department. Through donations from our chapter and faculty with matching funds from the ECE Department and Engineering Foundation, the scholarship fund now has \$3,500. Once we

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reach the endowment amount of \$10,000, we will be able to award a scholarship to the ECE student body.

Current Support

HKN is also a contributor of funds to the *Current*, the ECE Department Newsletter that is published for free once a month. The *Current* includes articles written by ECE students, interviews with ECE faculty, news from the ECE student societies, and a calendar of upcoming events. The past three years has also seen an HKN member serving as editor of the newsletter.

Suggestion Box

HKN also sponsors a suggestion box so that students have a mechanism to voice their ideas and complaints to the chairman. When the suggestion box gets full, HKN summarizes the suggestions into a report that is given to the chairman so that he can respond to the ideas and/or complaints.

Financial Activities

Like any student organization, HKN needs to generate money in order to continue to provide its programs and services. Although most of our operating budget comes from the dues collected from pledges, the following is a list of the other financial activities pursued in the 1989-90 academic year.

Doughnut Sales

Every Friday, HKN provides doughnuts and coffee to the ECE student body, faculty, and staff for sale.

ECE Departmental T-Shirts and Sweatshirts

This year, HKN and the other ECE student societies designed a T-Shirt for the Department student body. A design contest was held to determine how the Every year, HKN and the other ECE societies also sell Departmental sweatshirts with the department's seal on the front.

Engineering Paper

This year saw HKN initiate another new project - the selling of engineering paper to the ECE student body. This paper is printed for HKN and the other ECE societies with the colors of the University of Texas and the seal of the ECE department.

Social Activities

Every semester HKN sponsors several social events for its members. The purpose of these events is to get the members of HKN to meet each other and faculty members in a non-academic setting. The following is a list of our social activities for the 1989-90 academic year.

Smokers

Each semester, HKN sponsors a cocktail party (traditionally called the Smoker) at one of our faculty member's house. This year's smokers were held at the homes of Dr.

Willis Adcock in the Fall and Dr. Joe Campbell in the Spring. HKN members prepare all the food and refreshments to be served at the Smoker as well as the set-up and clean-up of the faculty members home.

Banquet

At the end of each semester, HKN sponsors a banquet to honor those students who have just pledged the organization and those who are about to graduate. Each banquet consists of a catered meal for the HKN members and ECE faculty in attendance, a guest speaker, and a slide show on HKN semester events. This year's guest speakers included Dr. Louis Parrillo, Director of the Advanced Products Research and Development Labs for Motorola, Inc.

"Tasch Bash"

This semester, HKN added a new social event to its activities list in the form of a picnic at the ranch of one of our faculty members, Dr. Al Tasch. The picnic (known affectionally as the "Tasch Bash") was a success as those in attendance watched our beloved Men's basketball team lose a heart-breaking game to Arkansas in the Elite Eight of the NCAA tourney.

Signature Party

As part of the pledge process for the Psi Chapter of HKN, the pledges are required to get signature from ten of their fellow pledges, ten active members, ten faculty members, and the officers and the advisors. To facilitate the pledges in getting these signatures, HKN hosts a signature party at a local pub and invite all of our members as well as the ECE faculty to attend.

College-Wide Basketball Tourney

HKN sponsored a College of Engineering wide basketball tourney to pit the various student organizations of the College against each other in a fun and competitive atmosphere. This year's winner was Pi Sigma Pi, the minority engineering society.

Fajita Fest

HKN along with the other ECE societies sponsors a fajita fest every semester for the ECE Department's students, faculty, and staff. The societies are responsible for all aspects of this event with HKN being responsible for the purchase, marinating, and cooking of the fajitas.

Bowling Night

In the spring semester, HKN rented out some bowling lanes at the student union for our members to come and bowl. The response was good with over 10 people joining us for two hours of strikes, spares, and gutter balls.

Summary

The 1989-90 academic year saw HKN reach out in many new arenas. This school year saw the Psi Chapter of Eta Kappa Nu add six service activities, one financial activity, and one social activity. Our goals for the 1990-91 are threefold: (1) to continue to increase our service activities (2) increase our contributions to the scholarship endowment and (3) come up with a more stable financial source than the dues of our pledges.

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ETA KAPPA NU
Chapter Report 1989-1990
Beta Theta Chapter
Massachusetts Institute of Technology
77 Massachusetts Avenue
Room 38-476
Cambridge, MA 02139

The officers of Eta Kappa Nu are elected for a full academic year. This year's executive committee was staffed by:

President:	Jeffrey Applebaum
Vice-President:	Kelly Savage
Treasurer:	Kenneth Streeter
Recording Secretary:	Eric Hayes
Corresponding Secretary:	Lisa Su
Bridge Correspondent:	Cathy Su
Members-at-Large:	Adam Brand Mike Niles Vincent Wong Todd Weigandt John A. Tucker
Faculty Advisor:	

Each of the officers, except the president, is responsible for the organization and upkeep of one of the chapter committees, which are discussed later on. The president must identify all of the potential HKN eligible members, help committee chairpeople to organize, and maintain a healthy and productive flow of activity within the chapter. This is accomplished through bi-weekly officer meetings, and various telephone conversations. Our chapter numbers approximately 150 active members, made up of 90 new initiates and 60 senior and graduate students.

The goals set forth by the 1989-1990 executive committee of HKN at MIT were to: 1) Create a happier and friendlier atmosphere among the Electrical Engineering and Computer Science (EECS) students and faculty members; 2) Offer students the opportunity to accelerate their professional development; 3) Provide various services to EECS students and the MIT community; 4) Reward students for scholarship and hard work; and 5) Make the chapter stronger, in general. As president of the chapter, I feel that we have accomplished many, if not all, of our goals quite completely.

Respectfully Submitted,

Jeffrey P. Applebaum
President
Beta Theta Chapter

First of all, as a result of the excitement generated by our officers and Faculty Advisor at the initial meeting for eligibles in the Fall, we had 92 students accept their invitations to "pledge" HKN. In previous years, only 60-65 students had decided to participate in the society, with 50-55 remaining for initiation. This year, a whopping 90 of the 92 original eligibles were initiated. We believe this to be a chapter record number!

This success can be attributed to the quality of our activities, as well as a "freshness" in leadership. We concentrated a great deal on communication among officers, with faculty members, and within our committees. This helped the executive committee members to remain abreast of the concerns of the eligibles and faculty members. In the past, students often showed up to participate for their required hours and were not seen again until initiation! This year, activities were designed to make students want to earn the right to be initiated. Eligibles participated in programs that were often created by themselves.

In addition, this was the first year in our recent history in which our chapter submitted nominations for the Outstanding EE Student (Zerby) Award, the Outstanding EE Junior (Carson) Award, and the Outstanding Teaching (C. Holmes Macdonald) Award. When I assumed the job of president, I inquired about our lack of submitted nominations in the past. I was told that there was no effective way of selecting students from within the chapter to apply for the awards. To remedy this problem, I formed a committee consisting of myself, our Chapter Advisor, and the chief administrator of undergraduate education in the EECS department to select chapter nominees for these awards, from several applications received. It is my opinion that this service provides an undergraduate member of HKN with the opportunity to be recognized for his or her hard work in Electrical Engineering and Computer Science.

Other novelties experienced in our chapter this year include entire chapter meetings. The whole Beta Theta Chapter, consisting of members, alumni, eligibles and faculty members, met once in the fall and once in the spring for social mixers to discuss chapter progress and ideas for new activities. Both events were very successful.

Much of the other chapter accomplishments can best be described by a brief outline of our committees and their respective activities.

a) **Underground Guide to VI-A: Committee Chairpeople:** Kelly Savage and Mike Niles. Number of Members: 20.

This two year old committee prepares and distributes a compilation of all of the student reviews of company assignments through the department's cooperative education program (VI-A). It serves as a very useful guide to sophomores, who use it to select the organizations best suited to their interests when they apply to the program. A copy of the guide is enclosed.

b) **Underground Guide to Course VI:** Chairpeople: Lisa Su and Kenneth Streeter. Number of Members: 24.

HKN eligibles collect student and professor evaluations of all of the EECS undergraduate classes and compile them in a guide available to the entire MIT community. This year, we expanded the guide to include many of the popular graduate classes that are taken by some of the undergraduates. Samples are enclosed. (In addition, Lisa created a data base of Chapter members and recent alumni that was used to keep members up to date and in touch with the Chapter Activities. This was not done in the past.)

c) **Social Committee:** Chairperson: Eric Hayes. Number of Members: 16

The social committee held seven department social events. During these get-togethers, students, faculty members, and department employees convened to share food, conversation and ideas. These events helped to increase the productivity and interaction within the department.

d) **Newsletter and Banquet Committee:** Chairperson: Cathy Su. Number of members: 8

This committee prepared two newsletters per term (see enclosed copies) which helped to keep the entire chapter up to date. The committee was also responsible for organizing the initiation banquet, which turned out to be a fantastic affair this year. Due to the tremendous profits reaped from our T-Shirt and Résumé Book sales, we were able to invite the Department Head, our Faculty Advisor, and five of the students' "favorite" professors to our banquet. In addition, several parents and guests joined us for the evening, to show their support for their children, friends, and HKN. The event proved to be a healthy interaction among students, faculty members, parents, guests and friends.

e) **T-Shirt/Steak Fry Committee:** Chairperson: Todd Weigandt. Number of members 14.

This year, the chapter decided to create a new, exciting T-Shirt. Many of the previous T-shirt designs depicted the oppressive work load associated with the major, rather than a fresh, lively image of pride. The design selected this year was so successful, that 500 shirts were sold in three weeks! A sample T-Shirt is enclosed. Profits reaped from the sales were used to pay for professors at our initiation banquet and subsidize a portion of our Spring Steak Fry. The steak event was held on a sunny May afternoon, giving students and faculty members the opportunity to interact in a relaxed, enjoyable atmosphere. If shirt sales continue to be this successful in the future, there are plans to use the

Eta Kappa Nu's

The newsletter of the Beta Theta chapter of Eta Kappa Nu
THE MASSACHUSETTS INSTITUTE OF TECHNOLOGY
Cambridge, Massachusetts

18 November 1989

Welcome to the first 1989 edition of the HKN newsletter! We're off to a roaring start this year, with over eighty eligibles and lots of exciting committee activities already underway.

Officer's Report

"I would like to congratulate and welcome all of the 1989 Eligibles of the Beta Theta Chapter of Eta Kappa Nu. Our introductory meeting on October 3rd was a success, with 80% of all possible candidates showing. Everyone enjoyed the refreshments, officer presentations, and history lesson given by our Chapter Advisor, John Tucker. And our social chairperson, Eric Hayes, added much excitement and laughter to the evening with his efforts to recruit members for his committee.

"With the second half of the term upon us, many of our projects are nearing completion. With luck, each eligible is actively involved in one of these projects and officers are encouraging creative suggestions and new ideas. We are all working together to improve the academic and social environment of Course VI. Please speak up if you feel your resources are not being put to use or if you wish to become more involved with Eta Kappa Nu.

"There are currently more active participants in Eta Kappa Nu than there have been in any of the past several years. I hope that our membership will continue to increase next year and that many of our eligibles will seek to serve as officers. I wish all of you the best of luck through the second half of the term. Have a safe and relaxing Thanksgiving Vacation."

The Underground Guide to Course VI

This term's 16th edition of *The Underground Guide to Course VI* is a more comprehensive look at Course VI than ever before, containing summaries of over 60 subjects, including all of the undergraduate classes and many first-year graduate classes. The evaluation and summary process went as smoothly as could be expected, with both professors and evaluators willing to make last minute adjustments to their schedules. Thanks to all who helped out.

This term we are also in the process of translating *The Guide* into LaTeX from Scribe, which has "served" as the text processor for the Guide for over six years. Many thanks to Rob French and Debby Wallace for working on the translation.

The Fall Guide will be available with second term registration materials on December 4th and 5th in Lobby 10 or in room 38-476 at any time thereafter.

The Underground Guide to VI-A

So far, work on the 3rd edition of *The Underground Guide to VI-A* is progressing smoothly. Questionnaires were mailed to all VI-A students at the beginning of the term and we have been receiving a steady flow of responses.

The committee held its first meeting about three weeks ago and sent reminder notices to all VI-A students. Response rates from most companies are good and we expect that the reminder notices will elicit responses from the more reticent participants in the VI-A program. Next on our agenda is to write the company summaries and to put *The Guide* together. This will take about two weeks and will begin in mid-IAP.

T-shirts!

This semester's activity for the T-shirt committee is to design a new course VI T-shirt. Our goal is to come up with something colorful and simple that would be appreciated both on and off campus. So far we have narrowed the choices down to four designs which will be on display in the course VI undergraduate office. Please stop by and let us know which you like best or contact Todd Weigandt for more information. Watch for the shirts in Lobby 10 and the Student Center after Thanksgiving!

The HKN annual Steak Fry takes place in the spring. Watch this space for details next semester.

Resumé Book

As you may have noticed, the term is passing us quickly by. Before you know it, January will have arrived and many of us will begin searching for jobs, eager to get out into the Real World. As you know (or will soon discover), the process of finding a good job is a long and tedious one. To aid all of our members and eligibles in this process, we are therefore publishing an HKN Resumé Book to sell to recruiting companies. We hope this service will be beneficial

profits toward a scholarship for a chapter member who exhibits outstanding academic performance and leadership ability.

f) **Resumé Book and Company Information Booklet Committee:** Chairpeople: Adam Brand and Vincent Wong. Number of Members: 8.

This committee is brand new. Members successfully compiled a chapter resumé book (enclosed copy) and a Company Information Booklet (sorry, no copies left). The former was sold to recruiters from several engineering organizations during recruiting season. This provided a great service to students seeking permanent or summer employment. The companies solicited were asked to return information about job openings for summer or permanent employment, or general company information and history. This information was compiled into a booklet which was distributed to HKN members. Many found it to be a valuable tool for selecting company representatives with whom to interview for jobs. Since this was the first year for both books, the officers in charge compiled a list of improvements to be incorporated into future versions.

As can be inferred from the descriptions of our activities, our committees are designed to give students the opportunity to serve themselves and the community. These activities have helped our chapter to improve tremendously over the course of one year.

In addition, many of our chapter members participated in department tutoring programs, and on MIT academic committees. The members of HKN were also on call to give tours of EECS laboratories and classrooms during Parent's Weekend, which was held in October.

Our chapter was blessed with a new Faculty Advisor this year as well. John A. Tucker, who served as Beta Theta's advisor previously from 1956-1970, was reinstated this year. His wealth of experience, advice, and knowledge of HKN history was enriching and quite helpful to me and the entire chapter. In addition, a great deal of administrative help and support was provided by National Headquarters, in our efforts to improve our chapter.

Several new initiates have expressed their enthusiasm about their "positive experience" in HKN, and look forward to the upcoming year. The large number of students involved this year helped to create a greater sense of pride in the EECS department. The quality of the relationships among students and faculty members were also improved.

In closing, I am very proud of the accomplishments of the Beta Theta Chapter of Eta Kappa Nu during 1989-1990. I am confident that the newly elected officers will continue to develop the enthusiasm and "freshness" that we have worked so hard to create.

Eta Kappa Nu's - THE NEWSLETTER OF THE BETA THETA CHAPTER OF ETA KAPPA NU

to our members and eligibles and will also raise additional funds for HKN (more social!).

If you are looking for a job, whether summer or full-time, we encourage you to submit a resumé, so get started if you haven't already. We plan to have the book ready for sale by the end of IAP, when recruiting season begins. You will receive a letter containing the details of our plans soon, but if you come up with any ideas before then that could help this project fly, we would love to hear about them.

Along the same lines, several companies have expressed interest in compiling a "Company Information Book." They'll send us literature describing the type of work they do, their job opportunities, and any other relevant information; we'll put the book together. Before we commit ourselves, however, we'd like your feedback. Would this be useful? To whom should we provide this book? If you have any ideas, please call Vincent Wong or Adam Brand, the heads of the Resume Committee.

Banquet!

The Newsletter/Banquet Committee has already begun to make plans for this year's initiation ceremony and ensuing banquet. We are currently seeking a dynamic, interesting banquet speaker and a scheduled date will be some evening in mid-April or early May.

In addition, we bring you this newsletter. Any suggestions of news you would like to receive would be appreciated and anyone who did not receive this newsletter can be added to the mailing list by contacting the Corresponding Secretary.

From the Social Chairperson

"Hi, my name is Eric Hayes and I am chairperson of the social committee (hence my title, "social chairperson"). The purpose of the social committee is to provide activities that allow members of the Course VI community to interact with each other on an informal basis. The main activities sponsored by the social committee are the social mixers. Usually held in the Chu Lounge, the social mixers provide an atmosphere in which members of Course VI can relax. And then, of course, there's the free food.

"We've already had two mixers this term. The first was on October 13th in the Grier room and was intended as a place where eligibles could meet HKN members and faculty. The second was on November 3rd in the Chu Lounge. Attendance at both socials was great. The final social of the semester is planned for Friday, December 8th in the Chu Lounge from 2

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