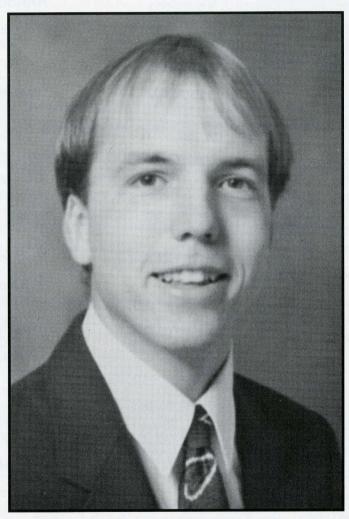


# BRIDGE of Eta Kappa Nu



Brad Darrel Marshall 1993 Winner Alton B. Zerby and Carl T. Koerner Outstanding EE Student Award



**Also Featured:** 

Historical HKN Benchmarks by Larry Dwon



Zeta Chi's Certificate of Merit Report



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

> November 1993 Vol 90 - No. 1

**Contributing Editors** Robert F. Arehart Marcus D. Dodson **Larry Dwon** James A. Heinen Alan Lefkow



The BRIDGE is published by 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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Huntington, NY 11743

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# 1993-94 Special Mail Convention In Progress **Please Return Your Ballot Now**

1992-93 Special Mail Convention **National Constitution Revisions Unresolved** 

135 Chapters sent in ballots. 142 ballots were required for resolution (Needed 3/4 of 189 chapters to respond).

Many, many thanks to each chapter.

# ETA KAPPA NU is pleased to announce the

# PAUL K. HUDSON HKN DEVELOPMENT FUND ANNUAL CAMPAIGN

Paul K. Hudson 1916-1988

Eta Kappa Nu Executive Secretary and BRIDGE Editor, 1958-1988

Established by the Board of Directors in April 1992, this important fund will honor the memory of Paul Hudson, a devoted servant of HKN and a man who truly exemplified the qualities that "balance the bridge."

The Hudson fund, managed by the HKN Board of Directors, will be used to support the general development of Eta Kappa Nu. For example, the fund will be used where necessary to help support HKN's national award programs; expansion, including the development of new college chapters and alumni chapters; and chapter visitations by current and past national officers and directors to assist with special occasions. All of these examples represent activities which Paul so heartily endorsed. Other developmental projects will be considered by the Board as funding grows and new objectives important to HKN become established.

As we honor Paul, we also honor donors to the fund by recognizing them as Paul K. Hudson Fellows. Five levels of giving are recognized, as in the form below. One-time donations at any level will be gratefully accepted. In addition, donors may now make pledges for annual donations. All donations will be counted cumulatively for the purpose of establishing the donor's current level of giving. Fellows at each level will be recognized annually by name in the BRIDGE.

Eta Kappa Nu thanks those who have already become Paul K. Hudson Fellows. We invite all members and friends of HKN to join the growing list of Fellows. And whether or not you are presently a Fellow. consider extending your support of the Hudson Fund on an annual basis. Simply fill out and return the form below. Thank you for your part in supporting and strengthening Eta Kappa Nu.

to and sine A seed though foliant telegrap	become a Paul K. Hudson Fellow a Distinguished Fellow Century Fellow (\$1000 - \$1999) Supporting Fellow (\$100 - \$499) osed contribution of \$	(\$2000 and above)	ellow (\$500 - \$999) \$99)	
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# Zerby-Koerner Student Profile

The Alton B. Zerby and Carl T. Koerner Outstanding Electrical Engineering Student is outstanding by virtue of his/her scholastic excellence and high moral character; coupled with demonstrated exemplary service to classmates, university, community, and country.

Among the purposes which Eta Kappa Nu expects to achieve by the operation of this program are: Honor annually the outstanding electrical engineering student by providing accepted recognition of accomplishments in this field; Recognize the outstanding electrical engineering student's school; Motivate electrical engineering students to earn membership in Eta Kappa Nu; Distinguish the undergraduate chapter of Eta Kappa Nu from which the outstanding EE student was chosen; Provide additional opportunity for publicity and recognition of the Eta Kappa Nu Association and its objectives; and Encourage electrical engineering schools not having a chapter of Eta Kappa Nu to qualify and establish a chapter.

Inaugurated in 1965 as the Outstanding Electrical Engineering Student Award Program of Eta Kappa Nu, it has become a traditional means of providing recognition to deserving Electrical Engineering Students in the United States of America. In 1975 the name was changed to "The Alton B. Zerby Outstanding Electrical Engineering Student Award" to honor and perpetuate the memory of Mr. Zerby, a long time leader and Executive Secretary of Eta Kappa Nu, who was dedicated to the students. In 1993 the name was further changed to include Carl T. Koerner, to honor and perpetuate the memory of brother Carl, who had a lifelong dedication to Eta Kappa Nu, including serving as its President; and his selection as the fifth recipient of the prestigious Eta Kappa Nu Distinguished Service Award in 1975 in recognition of his contributions to electrical engineering and Eta

This award considers not only the scholastic achievements of the stu-(Continued on Page 7)

# THE

# ALTON B. ZERBY and CARL T. KOERNER OUTSTANDING ELECTRICAL ENGINEERING STUDENT AWARD 1993

Anaheim, California July 24, 1993

# Text by Marcus Dodson

# THE ETA KAPPA NU ASSOCIATION 1993

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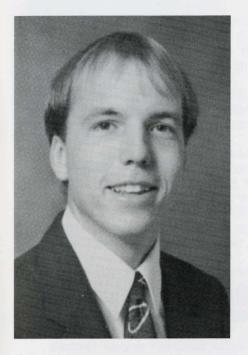
# JURY OF AWARD

W. C. Anderson
Thomas Kirsh
Laureen H. Parker
Charles S. Weaver
Director, Region 6, IEEE
Director, ECI/ECM, IEEE
Junior Past President, HKN
Director, WESCON

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Secretary Stuart McCullough
Treasurer Rupert M. Bayley
Junior Past President Donald S. Stoica

# Student Award Winner



BRAD DARREL MARSHALL Winner

Won expense-paid trip to Pan Pacific Hotel in Anaheim, California and an Award Dinner in his honor, from the Alton B. Zerby Perpetual Memorial Trust established by the Eta Kappa Nu Official Family, and a monetary gift from the Carl T. Koerner Perpetual Memorial Trust established by Edith Ann Koerner.

# THE ALTON B. ZERBY and CARL T. KOERNER OUTSTANDING ELECTRICAL ENGINEERING STUDENT AWARD 1993

BRAD DARREL MARSHALL, with a GPA of 3.9, ranking ninth in his class of 164 seniors, was nominated by the Beta Kappa Chapter at Kansas State University. He is a member of IEEE, and has been honored with membership in Golden Key, Blue Key, KSU Chimes Junior Honorary, KSU Engineering and Arts and Sciences Programs, Phi Kappa Phi, Tau Beta Pi, as well as Eta Kappa Nu.

While working for Proctor and Gamble in the summer of 1992, he developed a training program for their TDC 3000 Control System. Brad graded math papers, taught algebra, and supervised a residence hall staff for the school.

Brad lobbied the state legislature, as a representative of the student government, for additional funding. Being a member of the "Engineering Ambassadors," he visited high schools in the state of Kansas to acquaint prospective students with the college, and the advantages of an education leading to a profession. He serves his community and church by regularly donating blood, and doing volunteer work at a local nursing home.

He has won, or placed very high, in numerous math contests. When he is not a contestant he is an organizer. He wrote all the questions for, and helped coordinate, the 1990 Regional Chisolm Trail League Math Contest.

Brad is a leader and is active in honor societies, filling offices and executing the duties with enthusiasm. His intramural athletics are badminton and tennis.



Abigail Lynn Ela Honorable Mention



Reema Gupta Honorable Mention

# THE ALTON B. ZERBY and CARL T. KOERNER OUTSTANDING ELECTRICAL ENGINEERING STUDENT AWARD 1993



Michael Nguyen Van Chau Honorable Mention

**Abigail Lynn Ela**, with a GPA of 3.91, ranking second in a class of 31 EE seniors, was nominated by Gamma Omicron chapter at Southern Methodist University. She is a member of IEEE and has been honored with membership in Golden Key, Alpha lambda Delta, Tau Beta Pi as well as Eta Kappa Nu.

While working summers for Oscar Mayer Foods she wrote a program that interfaced a NOVA biomedical analyzer to a personal computer to extract data, and designed a timing circuit to control automated cholesterol testing. She also developed electrical diagrams for facility expansion using Computer Aided Design. She worked for her university tutoring other students in engineering, science, and computer courses.

Abigail was a candidate for homecoming queen, representing the engineering college. She has worked for diabetes and multiple-sclerosis causes, as well as a drug education program "Best of America."

She enjoys photography, scuba diving, tennis, and biking.

**Reema Gupta**, with a GPA of 4.0, ranking first in her class of 157 EE seniors, was nominated by Gamma Beta chapter at Northeastern University. She is a member of IEEE, SWE, and has been honored with membership in Phi Kappa Phi, and Tau Beta Pi.

As an undergraduate she worked for ECM as a software engineer, developing new designs and tests for their "Symmetrix III" products, while designing and developing new tests for their SCSI and channel interface products. At COGNEX Reema held the positions of Assistant Applications Engineer and Assistant Systems Administrator, writing programs, trouble shooting, testing, restoring lost files, and assisting demonstrations. While at ISCAN, as Assistant Software Engineer, she completed the software project for a flight simulator.

Reema participated in the Student Government Association, the International Student Forum, and tutored high school students. Following the hurricane on the east coast she collected and distributed food and clothing.

She writes poetry, swims, and plays badminton and tennis.

**Michael Nguyen Van Chau**, with a GPA of 3.77, ranking third in a class of 20 EE seniors, was nominated by Delta Beta chapter at Lamar University, Beaumont, Texas. In 1992 Michael was named co-runner-up for the Eta Kappa Nu Norman R. Carson Outstanding Electrical Engineering Junior award. He is a member of IEEE, and has been honored with membership in Tau Beta Pi, Phi Kappa Phi, Phi Eta Sigma, Pi Mu Epsilon, and Eta Kappa Nu.

Michael worked for NASA as an undergraduate, and on graduating has a one year assignment in their Technical Intern program. As a student he worked for his university, training undergraduate and graduate students to be orientation advisors.

He presented a student paper on High Definition Television (HDTV) at the 1992 IEEE Region V meeting. Michael also worked on the "Planetary Rover Unit" project, funded by the Texas Space Grant Consortium at Lamar University. His part covered video images and audio communication between the unit and the base station. He served in Student Government, and held offices in Tau Beta Pi and Eta Kappa Nu.

Michael enjoys swimming, biking, and video games.

# **FINALISTS 1993**

Jason Christopher Demas	Purdue University
Susan Elizabeth Kersey	Arizona State University
Dirk Kelly Kunselman	Colorado State University
John Edward Paluch	General Motors Institute
Barbara Ann Ritter	Pennsylvania State University
Christopher James White	Washington University

# (Continued from Page 4)

dent but also pays attention to other attributes; participation in service to classmates and university in the form of curricular and extra-curricular activities, demonstrated interest in community and fellow human beings. and regard for country. These all play a vital part in the considerations leading to being selected. It also measures the student against the traditional yardstick established by Eta Kappa Nu in its goal of achievement of the wellrounded person; one who is neither a scholarly drudge nor a gregarious sport, but one that might be considered an appropriate combination of the best qualities of both.

Four years were spent in the development of this program by the Los Angeles Alumni Chapter of Eta Kappa Nu. Much thought and effort went into the structuring and development of the many features that are needed, and the procedures which must be followed to be assured that a truly representative selection of the top Electrical Engineering students have been examined before the designation of one of these individuals as the Outstanding Electrical Engineering Student.

The program, thoroughly reviewed with the National Executive Council and the Board of Directors during the preliminary stages of its development, is formally approved and authorized as an official program of the Eta Kappa Nu Association. The Los Angeles Alumni Chapter has been designated as the implementing organization and has been authorized by the Executive Council to conduct the program.

The award winner's travel and expenses are covered by financial support from the Alton B. Zerby Trust Fund. An honorarium for the winner is made possible by the Carl T. Koerner Memorial Trust Fund, established in 1978 by his widow Edie Koerner and a large number of Carl's relatives and friends. Both Trust Funds, were established to honor their namesakes, who made significant contributions to Eta Kappa Nu. The Trust participants and the Eta Kappa Nu Board of Directors felt it appropriate that earnings from the Trust Funds underwrite this award.

Brad Marshall receives award plaque from HKN National President, David Meyer





Mrs. Edith Koerner presents monetary gift to Mr. Marshall

Brad Darrel Marshall responds with expression of thanks



# HISTORICAL HKN BENCHMARKS

# by Larry Dwon

Editor's Note: It is planned that in this series a historical review article will be presented annually, typically in the November issue of BRIDGE. The series will be concluded in the November 2004 issue, so as to coincide with the 100th year anniversary of Eta Kappa Nu.



This is the first of several articles which will highlight important benchmarks in the evolution of the Eta Kappa Nu Association (HKN). This evolution is the product of voluntary efforts of many dedicated members, many outstanding electrical and electronics engineers, students, educators and those in the industrial practice of engineering. From a single student chapter, in 1904, HKN has become an internationally respected electrical engineering honor society, with many thousands of members and hundreds of student and alumni chapters. All this occurred since 1904. In less than a decade, year 2004 will become HKN's 100th anniversary. These articles are intended to alert and inform members about events in HKN's first 100 years which made it grow and become so well respected.

Hopefully, this historical review will also inspire many more present and future members to volunteer their services to the Association as generously as many predecessors have done so effectively, especially in difficult times for HKN. Older members, who are informed about significant benchmarks that are not reported in this series of articles are encouraged to send them to HKN BRIDGE for future use. Much of the material for these articles is from "History of ETA KAPPA NU" by Larry Dwon, which was published in 1976. The following table summarizes important benchmarks selected

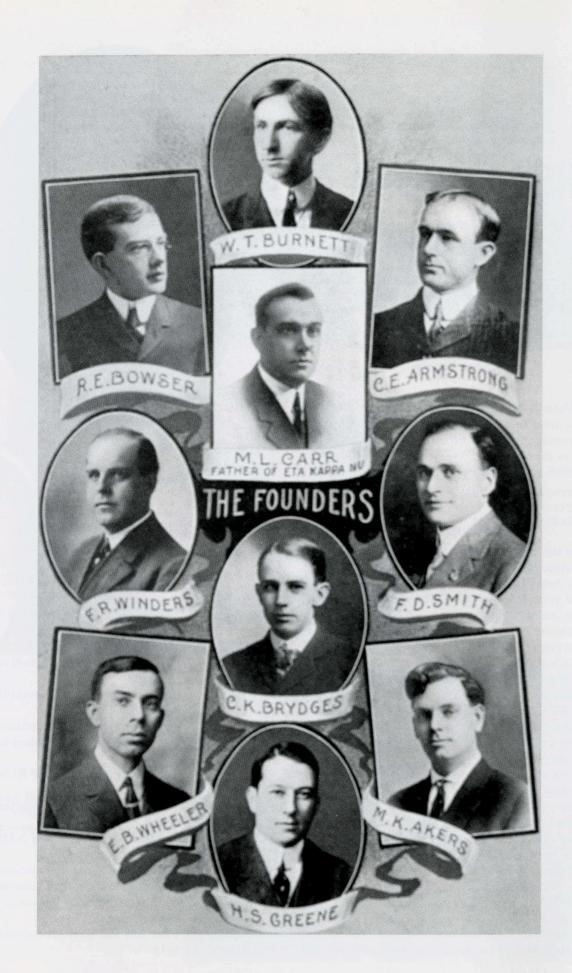


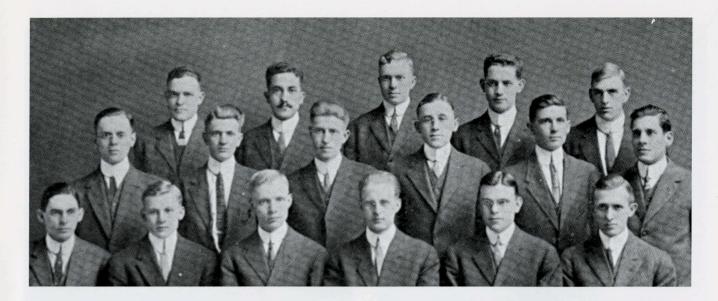
M. L. Carr Father of Eta Kappa Nu

from that document:

# SIGNIFICANT HISTORICAL EVENTS

SIGNI	FICANT HISTORICAL EVENTS
School Year	Significant Event
1904-1905	ALPHA chapter organized at University
	of Illinois
1905–1906	Electrical Field Yearbook first published
1907–1908	First Eta chapter established at Purdue
	University
1908–1909	First alumni chapter established in
	Pittsburgh, PA
1910–1911	First Honorary Member initiated
1911–1912	The BRIDGE first published as annual
	magazine
1913–1914	First general revision of HKN Consti-
	tution
1920–1921	The BRIDGE became a quarterly publication
1927-1928	Executive Secretary and NAB elected
	by national convention
1930-1931	Biennial national conventions autho-
	rized to replace annual convention
1931–1932	A. B. Zerby began personal visits to
	student chapters
1932–1933	First and last biennial convention was
	held
	School Year 1904-1905 1905-1906 1907-1908 1908-1909 1910-1911 1911-1912 1913-1914 1920-1921 1927-1928 1930-1931 1931-1932





WYMOND H. A. SMITH STEWARD E. C. SMITH BURKE EGELER ASHINGER BENTON DIGGS TAYLOR QUEST STEHR HAAS PARSONS FOSTER McIVOR YANTIS

# BETA CHAPTER, PURDUE UNIVERSITY (CHARTER MEMBERS)

1932–1933	Outstanding Chapter Activity Award program was established
1936–1937	OYEE program was inaugurated
1941–1942	Founder M. L. Carr died
1950-1951	Eminent Member category replaced
	Honorary Member
1950-1951	ETA KAPPA NU was incorporated
1953-1954	50th anniversary convention was held
1954–1955	Engineering Guidance film was pro-
	duced
1958–1959	55th anniversary convention was held
1958–1959	Board of Directors replaced National
	Advisory Board (NAB)
1961-1962	58th anniversary convention was held
1964–1965	Outstanding EE Student Award was
	established
1971–1972	Distinguished Service Award was established
1972–1973	Outstanding Educator Award was established
1984-1985	Outstanding EE Jr. Award Fund was established
1985-1986	50th anniversary of OYEE Awards
1986-1987	Outstanding EE Junior Award was established

The beginning was October 28, 1904. More precisely, M. L. Carr, who conceived the idea for this association, first met with electrical engineering classmates C. E. Armstrong and M. K. Akers at the University of

Illinois, Urbana, IL, USA. Later meetings included classmates E. B. Wheeler, and R. E. Bowser as Carr's first group of founders to initiate plans that would launch the Association. Other classmates were added later, namely W. T. Burnett, F. R. Winders, H. S. Greene, C. K. Brydges and F. D. Smith. The first meeting was held on Friday evening, September 23, 1904. The primary purpose was to discuss Carr's ideas. A larger group met again on the following Sunday afternoon. It was decided to organize an appropriate association and a constitution was drafted. Anticipated problems were distributed among the group for solution. Many meetings were required to resolve them. During this crucial period, none of the school's authorities who were consulted showed any enthusiasm but they did not oppose the project, so the group kept working diligently towards their goal. Eventually, ALPHA chapter attained official status as a bonafide organization on campus, and the official HKN founding date, October 28, 1904, was chosen. Alpha chapter members might want to research the event and report it for posterity. Other historical facts should be sent to HKN BRIDGE for possible future use. Consider this to be an appeal for memory research among HKN members who were initiated in this first century.

Hopefully, this historical review will inform present younger and future members about the kinds of programs which many dedicated volunteers conceived and installed into practice to help make HKN the prestigious Association it has become. These articles also should be considered as an expression of the Association's gratitude to all volunteers who helped HKN in any way. There are too many people to whom credit is due to name them all. HKN's future depends on similarly dedicated volunteers as HKN's past has been so fortunate to have had as members.

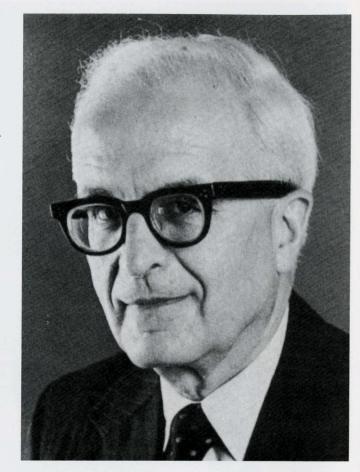
The foregoing summary tabulation is further clarified by the following brief discussion.

Ellery B. Paine wrote, "the record of meetings of the founders is highly interesting. They had to settle such details as the design of the key, the colors, the hand grip, the code of signals, the by-laws, membership certificates and the fraternity seal. At the first meeting the question of membership was brought up and was a chief topic for consideration during several weeks." Actually, it took several years before this problem was resolved in its present form.

"One suggestion was that the entire class should be admitted. It was ... instead to select men in accordance with their ratings under seven following characteristics: interest in work, managerial ability, inventive ability, influence with others, social or business connections, scholarship. Highest weight being given to interest in work and lowest weight being on influence with others and on social connections."

"On December 8, 1904, it was voted to appoint committees to investigate and report on each of the following subjects: Information Bureau, Establishment of chapters in other schools, advancement of electrical engineering department, the electrical engineering society and socials. Within three months definite action was taken .... It is remarkable how much work was accomplished by this little group in a relatively brief period."

I agree. Having been a volunteer since 1933 on several national and chapter activities, I witnessed similar zeal on the part of HKN members. They truly are a select group of persons. The vitality of HKN rests in its



**HKN Historian Larry Dwon** 

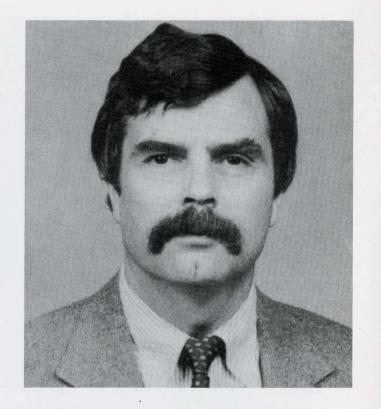
dedicated volunteer members. I hope they continue to be so dedicated and resourceful. The opportunities do exist. HKN's leaders must identify willing members and get them involved the same way I became involved in the New York Alumni chapter in 1935. More on this later.

A Life Subscription to the BRIDGE is available at a modest cost of \$60. Send a check with name and address to:

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

# Russell Niederjohn Named IEEE Fellow

by James A. Heinen



Russell J. Niederjohn was first elected to membership in Eta Kappa Nu in 1964 by the Delta Eta Chapter at the University of Massachusetts in Amherst. He currently serves as a member of the National Board of Directors of HKN.

This year he was honored by being selected as a Fellow of the Institute of Electrical and Electronics Engineers (IEEE), "for contributions to speech and signal processing." This is a very significant honor since in any one year no more than one-tenth of one percent of regular IEEE members (one in one thousand) may be elected to Fellow.

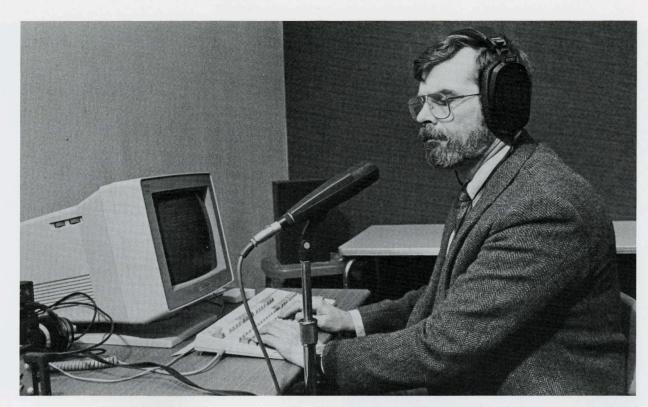
Russ Niederjohn was born in Schenectady, New York, in 1944. He grew up in the east, spending most of his early years in Massachusetts. He received his bachelor's degree in 1967, his master's in 1968, and his doctorate in 1971, all in Electrical Engineering from the University of Massachusetts. While a student, he worked for three summers at GE and IBM in Massachusetts and New York. Upon graduation, he and his wife, Susan, moved to Milwaukee, Wisconsin, where he accepted a position as Assistant Professor of Electrical Engineering at Marquette University. In 1975 he was promoted to Associate Professor and in 1980 to Professor. Today he is still teaching at Marquette and is about to begin his seventh year as Chairman of the Department of Electrical and Computer Engineering.

At Marquette, Russ serves as a role model for young faculty members in his department and in the College of Engineering. The expectations of a university faculty member are often described as teaching, scholarship, and service. He clearly excels in each of these areas.

When he first began his teaching career, most of the courses Russ taught were in the area of minicomputer and microcomputer hardware and software. In fact, he was the leading force in developing this new area at Marquette at a time when most other universities were, at best, making plans for the initiation of such courses. In 1978 he received a grant of over \$200,000 from the National Science Foundation under its Comprehensive Assistance for Undergraduate Science Education (CAUSE) Program. As a result of this grant he was able to effect a comprehensive enrichment of the undergraduate curriculum in both computer principles and applications. With the support provided by this grant, the late Professor Ronald Schmitz of the South Dakota School of Mines and Technology came to Marquette as a Visiting Professor. Together they educated the faculty of the department in microcomputer principles and computer graphics.

In recent years, most of Russ's courses have been in the areas of digital signal processing and speech processing, areas which he likewise developed at Marquette. These courses are more in line with the research he conducted as a graduate student at the University of Massachusetts under the direction of Professor Ian Thomas.

The excellence of Russ's teaching has not gone unnoticed. In 1977 he received the Dow Outstanding Young Faculty Award from the North Midwest Section of the American Society for Engineering Education (ASEE). In the following year he was honored by HKN, when he was given the C. Holmes MacDonald Award as the Outstanding Electrical Engineering Professor in the



Dr. Niederjohn experimenting with speech processing

United States. He received the Western Electric Fund Award for Excellence in the Instruction of Engineering Students in 1981, the Marquette University Outstanding Engineering Teacher Award in 1985, the Marquette University Eta Kappa Nu Chapter Teaching Excellence Award in that same year, and the Marquette University Faculty Award for Teaching Excellence in 1988.

The research that Russ has conducted has been primarily in speech processing and other areas of digital signal processing. Other fields of research include computer engineering and educational methods. At Marquette, he established a complex of laboratories devoted to speech and signal processing. A primary emphasis of his research has been on the processing of noise-corrupted speech signals to enhance their intelligibility. This is a particularly difficult problem and requires extensive computer facilities, both hardware and software.

While many questions in speech enhancement remain unanswered, Russ's research has been very successful and has led to approximately one hundred publications in journals and conference proceedings. Over the years he has received numerous grants totalling more than one million dollars from the National Science Foundation, Air Force Office of Scientific Research, Federal Bureau of Investigation, and several companies to support his research activities and those of his students.

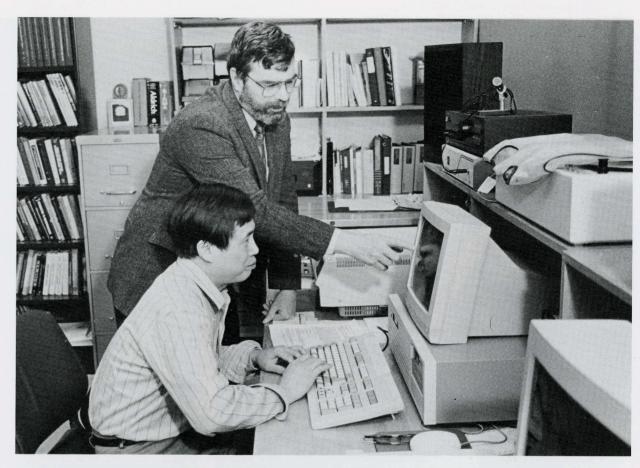
Over the years, Russ has reviewed numerous articles for technical journals and conference proceedings published by the IEEE and other societies. He currently

serves as an associate editor of the *IEEE Transactions* on *Industrial Electronics*. He has also reviewed proposals for the Wisconsin Department of Development, the National Science Foundation, and the Research Council of Canada.

In addition to being named a Fellow of IEEE in recognition of his research accomplishments, in 1979 he was the recipient of the IEEE Milwaukee Section Memorial Award for "contributions to the field of speech processing and outstanding achievements in electrical engineering education." Earlier this year Russ received the Marquette University Sigma Xi Chapter 1993 Scientific Achievement Award for Distinguished Scientific Research Achievement in Speech and Signal Processing. He is listed in *Who's Who in America* and several other similar biographical compendia.

In addition to IEEE and HKN, he holds membership in a variety of technical and honorary societies, including ASEE, the Acoustical Society of America, Tau Beta Pi (engineering honorary society), and Sigma Xi (research honorary society). His service activities with these and other organizations, within the university, and in the community have been extensive.

Russ does not conduct his research in a vacuum. The vast majority of it is done in collaboration with his graduate and even undergraduate students. In his years at Marquette he has directed over fifty master's and doctoral students in their graduate research activities. These students have gone on to successful careers in industry and academia. He also works closely with other faculty members and recently established the



Dr. Niederjohn demonstrates signal processing techniques

Signal Processing Research Center to help foster cooperative research by faculty members in Electrical and Computer Engineering and other departments who have common interests in signal processing. In addition, he has worked on various research projects in conjunction with industry and spent the summer of 1977 at Rome Air Development Center at Griffiss Air Force Base in New York.

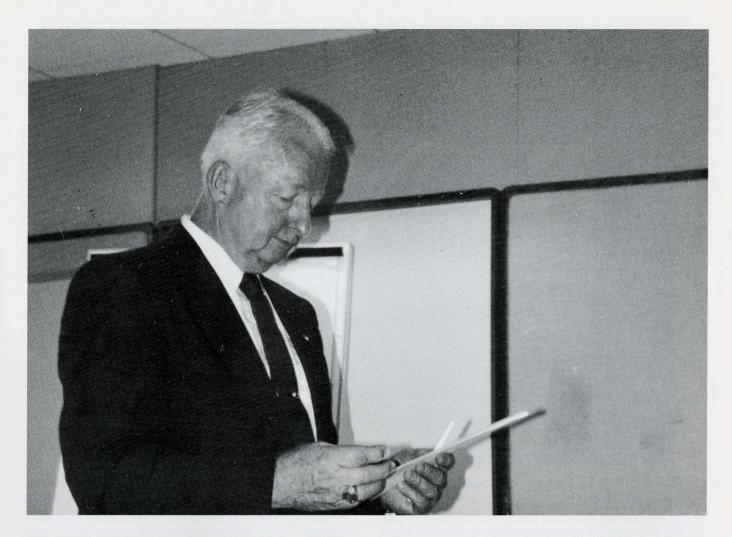
At Marquette, Russ has served on and often chaired numerous committees at the department, college, and university levels. He can always be counted upon to contribute tirelessly to the work of these committees. Since 1982, he has been a member of the Academic Senate. Because of the extensive involvement with students, one of Russ's most enjoyable roles is as faculty advisor to the Beta Omicron Chapter of HKN at Marquette University, a position he has held since 1986. In 1987–88 he was President of the Marquette University Chapter of Sigma Xi.

Russ has been especially active in IEEE. At the local level he has held numerous offices in the Milwaukee Section, serving as its Chairman in 1985–86. In the Industrial Electronics Society he has been very active at the national and international levels. He has held various committee assignments and chairmanships, was Vice President for Conference Activities in 1992, and is currently Vice President for Publications.

He has served as both Vice Chairman and Chairman of the North Midwest Section of ASEE, and was Conference Chairman for the North Midwest Section meeting in 1978. For two years Russ was Technical Sessions Chairman for the National Electronics Conference, sponsored by the National Engineering Consortium. Despite all his other commitments, Russ has been active in his church and in local charitable organizations.

His wife, Susan, does substitute teaching at the elementary school level. They have sons Jeremy, in junior high school, and Scott, who, following in his father's footsteps, is about to begin his sophomore year in Electrical Engineering at Marquette. When he finds time, Russ is a fine woodworker and enjoys tennis, golf, croquet, and various games of chance.

While his duties as Chairman of Electrical and Computer Engineering involve a great deal of administrative work, his most rewarding activities are those that promote the development of his faculty, both young and more advanced. By encouragement and example he has brought the department to new heights in teaching, scholarship, and service. He likewise serves as an inspiration to scores of budding young electrical engineers, who see that hard work and a solid educational foundation can lead to a successful and rewarding career.



# Merrill W. Buckley, Jr., Inducted as HKN Professional Member

by Robert F. Arehart

For several years, the HKN Philadelphia Alumni Chapter has been holding its final meeting of the year at the new and very prestigious Bell Atlantic Building. This year was no exception but as we met there on May 5, 1993, it was for the very special occasion of inducting Merrill W. Buckley, Jr. into Eta Kappa Nu as a Professional Member.

Last year Merrill culminated a career of service to the Institute of Electrical and Electronic Engineers (IEEE) by being elected to the office of International President. Merrill received his BSEE degree from Villanova University and his MSEE from the University of Pennsylvania. Most of his career was spent with RCA, now GE, and at his retirement he was a manager in the Electronics Systems Division. Mr. Buckley has received

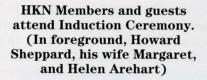
many IEEE awards and was elected an IEEE Fellow in 1987.

The team inducting Mr. Buckley consisted of Bob Arehart, HKN President 1991; George Balderston, former member HKN Board of Directors; Jim D'Arcy, HKN President 1992 and Doug Wilburne most recent president of the Philadelphia Alumni Chapter.

As is the custom, at the conclusion of the induction ceremony Mr. Buckley signed the member roll book and then received the symbols of membership, a certificate and key. After all HKN members present greeted their newest member, Merrill spoke briefly about some of his interesting experiences and revelations during his year as IEEE President.



Robert Arehart congratulates Merrill W. Buckley, Jr. after James D'Arcy obtained signature in Member Roll Book







Merrill W. Buckley, Jr., center, with Initiation Team, L. to R., George Balderston, Robert Arehart, Douglas Wilburne and James D'Arcy

# -In Memoriam-

# EDWARD H. MACDONALD

Edward H. MacDonald, 68, an electrical engineer, died Monday, August 30, 1993, at his home in Narberth, Pennsylvania.

Mr. MacDonald retired from the Philadelphia Electric Co. as a supervising engineer in 1988 after 41 years. He was an adjunct professor in Drexel University's electrical engineering department at the time of his death.

He received his bachelor's in electrical engineering at the University of Pennsylvania in 1947 and his master's at the university's Moore School of Electrical Engineering in 1954.

He was a member of Tau Beta Pi and Eta Kappa Nu honor soci-

Mr. MacDonald was a member of numerous organizations including the American Society of Electrical Engineers, the Institute of Electrical and Electronic Engineers, the Instrument Society of America, the American Association of Concerned Engineers and the Engineer's Club of Philadelphia.

Mr. MacDonald was an active member of the Eta Kappa Nu Philadelphia Alumni Chapter and was a past president of the chapter. He was a member of the C. Holmes MacDonald Outstanding Electrical Engineering Teaching Award Committee. The award was named after his father, C. Holmes MacDonald.

He was an associate member of the Plastic Club, a Friend of the Sketch Club and a member of the Pennsylvania Historical Society and the Philadelphia Maritime Museum.

He is survived by his wife, Elizabeth Hutton MacDonald; sons, Robert H. and Andrew H.; daughters Margaret M. and Demi E. Porter; two grandchildren and a brother.

# JOHN D. RYDER

John D. Ryder, Dean of Michigan State University's College of Engineering from 1954 to 1968, died July 28, 1993, in Ocala, FL. He was 83.

A professor of electrical engineering. John came to the university in 1954 as dean of the college with two specific objectives. He wanted graduates to be prepared to work with new materials, new energy sources and new tools, and he wanted more space for engineering. During his 14 years as dean, he worked to achieve these ends.

He oversaw campus-wide computerization, the establishment of program and the building of its nuclear reactor. In 1960, he was given the go-ahead to erect a new engineering building on Shaw Lane. By July 1962 the college had moved into a \$4 million, 134,000 square foot facility.

He earned high bachelor's and master's degrees from Ohio State University and his doctorate from Iowa State University. Prior to his arrival at MSU, he taught at Iowa State University and the University

Lawrence W. von Tersch, a professor of electrical engineering during John's tenure and his successor as dean, says his greatest achievement as a scholar and an engineer was the numerous textbooks he

"Dean Ryder achieved many things while at the college but his biggest contribution was to engineering education," von Tersch says. "The books he wrote on electronics revolutionalized the instruction of electrical engineering. Generations of students came to understand the field through his textbooks."

John retired from the college in 1973. He is survived by his wife, Sylvia.

# PETER L. BELLASCHI\*

Peter L. Bellaschi, died in late May in Portland, Oregon. Bellaschi was a respected member of the utility community. His unique blend of personality, capability, and inventiveness will be missed.

A graduate of MIT (BS 1926, MS 1928), he spent his entire working life in our industry. His numerous honors included Eta Kappa Nu's Outstanding Young Engineer Award in 1936; the Westinghouse Order of Merit in 1937; Fellow of AIEE in 1940; honorary doctorate from Washington & Jefferson University in 1940; IEEE Habershaw Award in 1982; IEEE Halpern Award in 1982; the college's Engineering Science Attwood Associate of the CIGRE U.S. National Committee in 1983; IEEE Centennial Award in 1984.

> First employed by Westinghouse Electric Corporation, Bellaschi became an independent consultant in 1947, and, in that capacity, was retained by a number of major utilities, federal agencies, and individual companies, including Doble Engineering Company. His areas of special interest and expertise were EHV apparatus and systems, lightning (among his fourteen patents was the patent on the lightning stroke generator), education, and national and international standards. In this latter connection, he is credited with much of the driving force behind the effort to rejuvenate CIGRE after the debacle of World War II in Europe. In recognition of this, he was made an Attwood Associate of the U.S. National Committee of CIGRE.

> Born February 13, 1903, in Castellanza, Italy, he immigrated to the United States at age 10. After completing graduate work at MIT in 1928, he joined Westinghouse Electric Co. and quickly became a leading figure in the electric power industry. He retained his association with Westinghouse until 1946 and moved to Portland from

\*from IEEE Power Engineering Review, August 1993

Pennsylvania the following year. the United States representative to Bellaschi then made his name as a private consultant to numerous electric utilities, federal agencies, and companies.

He worked with the Bonneville Power Administration through the 1980s and played a major role in the development of the BPA's high voltage grid in the Northwest as well as its advanced studies projects.

IEEE, was active with the organization's Portland chapter for many years. He was the author of dozens of technical articles published by the IEEE and other related publications.

Fluent in five languages, Bellaschi was active in the International Electro-technical Commission and the International Conference of Large High Voltage Systems and frequently served as the conference.

He was a member of Ascension Catholic Church since 1947 and was involved with the Providence Medical Center Guild and the Portland Civic Theater. His wife of 54 years, Maria Catterina Bellaschi, died in 1984. Survivors include his sons, Julius of Washington, D.C., and Victor of Tustin, California: Bellaschi, as a Fellow of the daughters, Drusilla Pagel of Vancouver, Washington, and Maria Herwig of West Linn; and eight grandchildren.

> The following is from Peter Bellaschi's dissertation on standardization that was submitted in Washington, D.C. on the occasion of the sixtieth anniversary of ANSI (1918-1978), and subsequently republished in the following years in a dozen different modern languages.

> Standardization: "It requires long, hard work ... fortitude ...

endurance ... patience, lots of it ... devotion ... abiding faith, that the work will be completed some day ... never give up. It requires knowledge and understanding in depth: from the basics to a full grasp of all that is of consequence and determining ... (engineering, economics, the full gamut of experience past and present) ... of course, it requires intelligence and judgement of a high order: they are the guiding light and play a dominant role. And to these I know only too well you and others can add more that are equally signif-

"The striking question frequently raised: Is it worth it? Yes, it is, for this truly is part of the good life of the engineer ... the embodiment of his profession: to render an enduring service in the world we live in. This is in itself one of his great rewards."

# 1991-92 Chapter Awards

by Alan Lefkow

The Outstanding Chapter Activities Award Program continues to do what it has been doing since 1932, recognizing excellence in college chapters by virtue of service to their students, department, school, and community. For the academic year 1991-92, seven college chapters received awards for having an outstanding program of activities. Beta Chapter of Purdue University copped the National Winner award, the eleventh in its string of wins in as many years. Epsilon Beta of Arizona State University and Gamma Chi of New Mexico State University received Honorable Mention. Four other chapters were cited for their meritorious programs and received Certificates of Merit as up and coming chapters. They were Iota Upsilon of University of Washington, Theta Chi of University of Colorado at Colorado Springs, Zeta Chi of University of Central Florida, and Gamma Mu of Texas A & M University.

The Outstanding Chapter Award program is unique among the award programs of Eta Kappa Nu. One winning award can touch the hearts of a whole chapter. The award plaques themselves have been made as rich as possible. The National and Honorable Mention winners receive metal plaques engraved in color. The Certificate winners receive their award laminated in

For 60 years, winning the Outstanding Chapter Award has been a source of pride and distinction. The Chapter Award committee selects the winning chapters on the basis of the annual chapter reports. The reports are received in the fall after the end of the academic year, and the judging occurs in the winter. In the spring the committee announces the winners, and the plaques are presented then.

Any chapter that sends in an annual report is automatically entered into the competition. Winning chapters invariably send in reports of distinction that do justice to their programs of activities. Many of these reports have been published in the pages of BRIDGE as examples to others. A winning report requires hard work, but then so does an outstanding program. In this issue, the report of Zeta Chi is presented.

# Eta Kappa Nu ZETA CHI CHAPTER

1991-1992 CHAPTER REPORT

UNIVERSITY OF CENTRAL FLORIDA



Eta Kappa Nu - Zeta Chi Chapter

# A LETTER FROM YOUR 1992-93 OFFICERS

= HKN

The past year has been a growing year for the Zeta Chi chapter of Eta Kappa Nu. We have endeavored to provide more activities for our membership as well as all Electrical and Computer Engineering students. We have also sought to bring our faculty and students closer through the spring softball game and several informal social gatherings. In doing these things we have gained a greater sense of community and the idea that a few can make a difference at the University of Central Florida

As we roll into this new school year we have several new officers. Now is the time for new goals and new ventures. We have seen what our efforts can do, and we are eager to surpass the accomplishments of previous years. It is our hope that this year will be our best yet and that we can foster a real sense of pride in our school and ourselves.

Our major goal is to finally see the brass casting of the Bridge placed in front of the College of Engineering. We have been working on this project for many months and finally seem to be at the end of a long and frustrating journey. It is now time to see this symbol of our society placed in a position of honor. We appreciate the efforts of Dean Mylitehouse concerning this project and hope that our Bridge will bring more prestige to the College of Engineering.

With the merging of the Departments of Electrical Engineering and Computer Engineering, we have one of the largest departments in our school. This is our department, our school, and our university. Let's work hard this coming year to make the Zeta Chi Chapter of Eta Kappa Nu visible and active in our community.

Michael D. Bray

Michael Rothery
Michael Rothery
Vice President

Michael Williams Recording Secretary

Eta Kappa Nu - Zeta Chi Chapter Page 1

1991-92 Chapter Report Eta Kappa Nu - Zeta Chi Chapter

# 1991-92 Chapter Report = HKN

		ETA KAPPA NU - SPRING CALENDAR 1992	
JAN	6	Spring Semester Classes Begin	
	15	HKN Member Meeting - Prepare initiation candidate letter	s
	20	University Holiday - Martin Luther King day	
	23	Junior/Senior Seminar - Dr. Wahid, Dr. Bauer Electrical and Computer Department Overviews	ENGR 435 - 4:00pm
	30	HKN Meeting - ENGR 435 - 4:30pm	
	31	HKN TGIF Mixer - ENGR Great Hall (Lobby)	
FEB	6	Junior/Senior Seminar - Dr. Christodoulou Electro-Magnetic Fields	ENGR 435 - 4:00pm
	13	HKN Meeting - ENGR 435 - 4:30pm	
	17-22	National Engineers Week	
	20	Junior/Senior Seminar - Dr. Khajenoori Software Engineering	ENGR 435 - 4:00pm
	21	UCF Engineering Fair - Make sure you stop by the HKN	table.
	22	HKN Service Day : Setup ENGR Great Hall	
	27	HKN Meeting - ENGR 435 - 4:30pm - Initiate Dues due	
	28	SEC Meeting	
MAR	5	Junior/Senior Seminar - Dr. Malocha Semiconductor Fabrication & SAW Technology	ENGR 435 - 4:00pm
	9-14	SPRING BREAK	
	19	Junior/Senior Seminar - Dr. Batarseh Power Systems & Electronics	ENGR 435 - 4:00pm
	20	SEC Meeting	
	21	HKN Initiation Banquet	
	26	Junior/Senior Seminar - Dr. Matthews, Dr. Petrasko EE & CpE Graduate Programs	ENGR 435 - 4:00pm
APR	2	Junior/Senior Seminar - Dr. Alsaka -Voice Technology Final HKN Meeting - Planning for Softball, Party, Etc.	Engr 435 - 4:00pm 4:30pm
	3	SEC Meeting	Annual Control of the
	4	HKN -vs- Faculty Softball/Volleyball - Softball Field #3	3
	17	SEC Meeting	(
	24	Classes End	
	27	Examinations Begin	
MAY	1	SEC - Engineering End of Semester Party	
	2	Examinations End/Commencement	

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A LETTER FROM YOUR 1992-93 OFFICERS	
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David Kuhl

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Vice President

Bridge Correspondent

Robert Park
Daniel Paterson
Michael Rothery

1991-92 Chapter Report

# HKN

## TETA CIII MEMBERSHIP Fall 1991 - Spring 1992

## Officers

Fall 1991 Nancy Eisenhauer Terri Alexander David Sweet Corresponding Secretary

Patrick Angle Paul Wisniewski Dr. Michael Harris

Spring 1992 Paul Wisniewski Michael Rothery Wissam Zaatar Michael Williams Michael Burridge Patrick Angle Jody McKenzie Dr Michael Harris



HKN Officers (Spring 1992) (Left) Michael Rothery, Michael Burridge, Paul Wisniewski, Michael Williams, Patrick Angle (not pictured: Wissam Zaatar, Jody McKenzie)

Cynthia Lopez Bruce MacDonald Jody McKenzie Gary Mason James Murphy David Nardino



## Initiates - Spring 1992

Dr. Issa Batarseh Michael Bray Melvin Brown Brian Buckinghar Tirso Carreia Jr. Scott Carter Lee Dixon

Tony Frangoul Michael Garrity David Gullette John Heinbockel Randy Hoyt Ashamin Khan Kelly Lear

Jason Paulley Chris Stallard Jeffrey VanWie Justina Vo Tra-My Vo Ouv Kim Vuong

## FACULTY SUPPORT

The Zeta Chi Chapter has received enthusiastic support from all of the engineering faculty and staff. This support has contributed greatly to our success in the past year. We would especially like to thank the following people:

Dr. John C. Hitt Dr. Gary Whitehouse Dr. Nicolaos Tzañnes Dr. Chris Bauer

President University of Central Florida Dean, College of Engineering
Chair, Electrical Engineering Department Chair, Computer Engineering Department

Eta Kappa Nu - Zeta Chi Chapter

Page 4

1991-92 Chapter Report

Theresa Schlitt

Samuel Sweatt

Cathy Vu Michael Williams

Paul Wisniewski

Wissam Zaatar Jeffrey Zuelch

Glen Michael Thaxtor

Dr. Michael Harris has been our Faculty Advisor for over 3 years. He has stood by us

In the Spring semester 1992, we sought to initiate a new Multi-Advisory Squad. This squad would allow advisement from all areas of computer and electrical engineering, promote student/faculty relations, increase faculty involvement, and permit a rotation between advisor's duties. The Multi-Advisory Squad would have also promoted a sense of continuity as faculty members changed, providing the chapter with a consistent form of faculty representation and

Initial efforts were to have an advisory squad composed of three faculty members representing both electrical and computer engineering. Two advisors would come from the Electrical Engineering Department due to its greater size and one from Computer Engineering. The following three faculty members were enthusiastic about their involvement:

Dr. Michael Harris Dr. Soheil Khajenoori Dr. Issa Batarseh (new initiate)

Electrical Engineering Computer Engineering Electrical Engineering

However, our university has undergone many changes over the past year. The Electrical and Computer Engineering Departments merged at the end of the Spring semester and we lost several faculty members. Therefore it was the decision of Dr. Trannes and our officers to delay the institution of the Multi-Advisory Squad. The officers of the Zeta Chi chapter will re-confirm a single advisor with Dr. Trannes each year until such time as we can institute the Multi-Advisory Squad.

# INITIATION

We select Eta Kappa Nu candidates in the Fall and Spring semesters. After finding eligible Electrical and Computer Engineering students each semester, the Zeta Chi Chapter sends out letters inviting prospective members to mixer with other members and the faculty. The mixers help initiates get information about Eta Kappa Nu and meet with faculty members in an

For the Fall 1991 semester we had a picnic during September at UCF's Lake Claire. We were joined by Tau Beta Pi and their initiates. There were hot dogs and hamburgers for everyone. Some members, initiates and faculty took advantage of the nearby volleyball nets while others simply enjoyed relaxing and talking with other guests. Other activities included

During Spring 1992, initiates were invited to an informal mixer with the faculty, members of HKN and members of Tau Beta Pi. We supplied pizza and drinks. This social mixer was held in the newly dedicated Hubbard Hall-located in the College of Engineering building with the members and initiates of other engineering honor societies. As before, many

Eta Kappa Nu - Zeta Chi Chapter

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1991-92 Chapter Report

# $\equiv$ BKN

abers of the faculty and administration were present to meet and welcome the new initiates This also gave Zeta Chi a chance to display its recently completed brass casting of the Eta Kappa Nu Wheatstone Bridge.



Our initiation process is still being refined in order to instill a sense of community into Our initiation process is still being Fermen in order to institut a sciele or community into our members and to encourage communication between the faculty and students. Our first traditional activity is to supply each initiate with a sheet containing the names of faculty members within the Electrical and Computer Engineering department. The initiate must take this sheet to each person listed, request a signature and answer any questions which the faculty member might pose to the student about Eta Kappa Nu.

During the spring semester we added a new tradition. As a part of each members initiation fees, the member receives a small, rough brass casting of the Bridge. Each member must sand and polish the brass casting and present it during the initiation ceremony for inspection. The initiate with the best looking Bridge is presented with an award during the engineering banquet held at the end of the semester. During the Spring semester many initiates did excellent jobs on their brass castings and probably could find part-time work doing such, but Ms. Kimberly Adams took home the award when she presented a Bridge which practically emitted it; our light. emitted its own light.

# COLLEGE OF ENGINEERING AWARDS BANQUET

Annually, there are two College of Engineering Awards Banquets - fall semester and spring semester. The banquets are organized to honor student accomplishments throughout the different engineering honor associations in the College of Engineering. The Florida Delta chapter

Eta Kappa Nu - Zeta Chi Chapter

1991-92 Chapter Report

with a triangular UCF Engineering

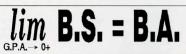
of Tau Beta Pi and the Zeta Chi chapter of Eta Kappa Nu team up to plan the banquets and find

The Fall 1991 Honors Banquet was held on Saturday, November 23, 1991 in the University of Central Florida President's Dining Room. Dr. Donald C. Malocha spoke to everyone about Graduate Opportunities. Mr. John McIntosh from the Department of Industrial Engineering was the Keynote speaker.

Dining Room, Mr. Charles Hanskat of Tau Beta Pi was the Keynote speaker

During the 1991 - 1992 school year the Zeta Chi chanter was involved in two principal fundraising events. First, Eta Kappa Nu held a bake sale in the UCF College of Engineering for which each member of the society brought in an item to be sold and, in addition, donated their

Our second fundraising event was a T-shirt sale. Zeta Chi members designed a logo for the shirts and also printed the shirts at the recreation services building on campus. The front of
the shirt was printed



logo and the back was printed with the humorous equation at left. We sold these

spring semester and during engineering week at UCF. From these events, we were able to raise over \$400 for the Zeta Chi chapter.

## SOCIAL EVENTS

The Zeta Chi chapter organized a softball game between the Eta Kappa Nu students and the faculty of the Computer Engineering and Electrical Engineering



HKN .vs. Faculty Softball Came Player

Eta Kappa Nu - Zeta Chi Chapter

1991-92 Chapter Report

# End Of Semester Party

Eta Kappa Nu supported the Student Engineering Council (SEC) in throwing two off-campus parties to celebrate the completion of the Fall 1991 semester and the Spring 1992 semester. The fall party was held on December 13, 1991 and the spring party was held on May 1, 1992.

# COMMUNITY SERVICE

# New Horizons Assembly

Upon receiving a request from the electrical engineering department's assistant chair, Dr. Parveen Wahid, several Zeta Chi members volunteered to help set up for the annual New Horizons assembly. At this event, outstanding young women from local high schools attended seminars instructed by women who belong to a professional field of science, medicine, or

On October 22, 1991, the Eta Kappa Nu participated in the College of Engineering phone-a-thon. We contacted our University of Central Florida Engineering Alumni to elicit

donation for their engineering alma mater. Part of this phone-a-thon effort was to update the Alumni on current university

# Junior-Senior Seminar Series

As a service to Electrical and Computer Engineering students, Eta Kappa Nu founded a seminar series entitled "The Junior - Senior Seminar Series" which Junior - Senior Seminar Series' which provided an opportunity for professors to showcase their research areas to an interested group of engineering students. Eta Kappa Nu provided beverages and donuts which Mike Rothery diligently rounded up and brought to age from the companion of the control of the provided up to the control of the provided up to the control of the control of the provided up to the provided provided up to the provided JUNIOR - SEMIOR SERIINAR SERIES SCHEDULE

DATE SPEAKER TOPIC

Jan 23 Dr. Webid Introduction to Series
Dr. Bauer
Fab 6 Dr. Christodoulou Electro-Magnetic Fields
Fab 20 Dr. Khajenoori Software Engineering
Mar 5 Dr. Malocha Samiconductor Fabrication & Ward Tachnology
Mar 19 Dr. Batarseh Power Systems & Euctronice
Mar 26 Dr. Matthews EE Graduate Program
Apr 2 Dr. Altaka Speech Processing JUNIOR - SENIOR SEMINAR SERIES SCHEDULE

We started the seminars in the Spring 1992 term with representatives from the Electrical Engineering and Computer Engineering departments. At the first seminar Dr. Wahid and Dr. Bauer spoke concerning their respective department curriculum and answered any questions which attendees presented. We continued the series with six more seminars (see the previous schedule). We feel as though the Seminar Series was a huge success and that many engineering students

Paul Wisniewski and Michael Williams put their desktop publishing skills to the test and created eye-catching (was that hot pink?) signs advertising each new seminar. We wish to thank all of those professors which spoke and those who expressed support and interest in continuing

Eta Kappa Nu - Zeta Chi Chapter

1991-92 Chapter Report

# **BKN**

on April 4, 1992--one of those hot spring days in Central Florida (and we had the sun hurns to prove it). A trophy was designed by Zeta Chi officers and a delicious 6 foot was provided by our local SUBWAY

We prepared for the game by first designing and printing T-Shirts. Nancy Eisenhauer, "BAD NUs"





Not quite enough faculty a showed up to form a complete team of their own. (We figured they were probably a little scared.) So we let Nancy and Dr. Belkerdid pick teams. Nancy's team took home the trophy with a score of 25 to 26. We had a great time and the ment have seen have constructed. the event was such a success that we are planning to continue it in hfuture semesters. We may even have a challenge volleyhall

Eta Kappa Nu - Zeta Chi Chapter Page 8

1991-92 Chapter Report

# CHAPTER MEETINGS

Twice a month, the Zeta Chi chapter gathered to inform members, faculty and initiates of current events and accomplishments of the chapter. During normal chapter meetings we discussed potential activities, goals of the chapter, recruitment of initiates and provided update on the process for approval of the Eta Kappa Nu Bridge installation.

On April 16, 1992 we held the Eta Kappa Nu Spring 1992 Chapter Conference which was open to all members undergraduates, graduates, and faculty to recognize graduating seniors, recap the emesters events, review our sen photographs, recognize outstanding faculty, honor officers, set goals and requirements for the 1992-93 school year, present ideas for future events, elect new officers to open positions and feast on pizza provided by Pizza

One of the many posters for our meetings.

# Juniors Seniors Graduates

Elective - Research Area Seminar

Speaker: Dr. Malocha Topics: Semiconductor

Fabrication and SAW Devices Thursday March 5 @ 4:00 pm in room ENGR 435

Eta fiappa Hu invites you to attend

# PUBLIC RELATIONS

During the 1991-92 school year the University of Central Florida Student Government Doung lut 1971-22 school year use Ontwestig or Certain Frontas Stouent Obsertments started a monthly magazine entitled Pegasus highlighting student activities around the campus. Eta Kappa Nu submitted two press release articles concerning new initiates and our Junior-Senior Seminar Series. These articles appeared in the March 1992 edition announcing the new president of UCF-Dr. John Hitt.

# Letters to/from Presidents

1992 brought a new president to the University of Central Florida. Dr. John C. Hitt was selected as the fourth president since the school was founded in 1963. He came all the way from the University of Maine where he was serving as the Interim President. Eta Kappa Nu joined the entire University community in extending a warm greeting to our new president. Eta Kappa Nu sent a letter to the president welcoming him to the University. President Hitt graciously replied with a letter thanking us for our letter and stating "I look forward to learning more about your organization and working with you to build the quality of UCF."

# University of Central Florida Engineering Fair

During National Engineering Week, February 1992, the College of Engineering and the Student Engineering Council organized an engineering fair for student engineering organizations and Central Florida companies to display projects, distribute information about their organizations

Eta Kappa Nu - Zeta Chi Chapter Page 10

1991-92 Chapter Report

# BKN

The Zeta Chi Chapter enlisted the assistance of HKN members Dave Kotick and Michael Williams at Naval Training System: Center (NTSC) NTSC provided an Interactive called CAMIS game-like structure



inology and procedures to US Navy medical personnel.



Eta Kappa Nu - Zeta Chi Chapter

1991-92 Chapter Report

Bridge Monument Installation
This public relations effort which will be the most lasting symbol of Eta Kappa Nu's Inis putor teatures error where will be the most stating symbol or Lea Rappa vus a presence at UCF has taken the most effort and longest time to achieve. Approximately five years ago the Zeta Chi Chapter procured a 4.5 foot tall brass casting of the society's key, modeled after the Wheatstone Bridge emblem. The bridge had been sent to a company for lamination to protect it against tarnishing. It returned to the Zeta Chi chapter during the Fall 1991 semester.

During the Spring 1992 semester we started our uphill battle to find a proper installation site in the vicinity of the front of the College of Engineering. Our friends of Tau Beta Pi have a brass casting of their "bent" in a small garden at the front entrance to the engineering building and we imagined that finding a spot for our bridge would not be very difficult. Boy, were we

Our first discussions were with the Dean of the College of Engineering, Dr. Gary Whitehouse. He supported the installation, but wanted us to present a proposal containing several installation sites at a meeting of the College of Engineering chairpersons. We put together a bound, eleven page proposal for a professional presentation including pictures of three alternate sites and a map of the grounds surrounding the College of Engineering. The group of chairpersons responded positively and provided us with a range of sites between two of our proposed sites. We were free to choose any site that suited us.

Then came the red tape. Dean Whitehouse stood with us as we went through committee: Then came the red tape. Dean Whitehouse stood with us as we went through committee at the Physical Plant, University Planning Committee, and the Campus Appearance Committee (Signage Committee). The Signage Committee sent the proposal back to the College of Engineering with a recommendation from the Signage Committee and University Vice President that we install it inside the building. The Dean then drafted a letter of appeal to the Signage Committee and we waited until July 30, 1992, for the committee to reconvene. In order to get extra support we talked with the University President, Dr. John Hitt, during one of his Friday

The officers of Eta Kappa Nu and Dean Whitehouse met with the Signage Committee on July 30 with a presentation and a color graphic rendering of the proposed sight. After physically reviewing the sights later that day, the Signage Committee suggested a different site outside the College of Engineering and we gladly accepted. We are currently conferring with the Physical Plant on the installation

Eta Kappa Nu is proud of our advisors. So that anyone interested in Eta Kappa Nu could find one of our advisors we purchased several lettered signs to identify their offic

University of Central Florida 1992-1993 Organization Handbook

Every year UCF publishes this Handbook to let university community know what
organizations existence on campus and how to get in touch with them. As a final symbol of our
accomplishments, the 1992-1993 printing proudly pictures the Spring picture of Eta Kappa Nu
on the front cover.

Eta Kappa Nu - Zeta Chi Chapter

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1991-92 Chanter Report

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