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

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Historical HKN Benchmarks
by Larry Dwon

Zeta Chi's Certificate of Merit Report
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John D. Ryder
Peter L. Bellaschi

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.

---

I wish to become a Paul K. Hudson Fellow at the level of (check one):

- [ ] Century Fellow ($1000 - $1999)
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I wish to pledge a total of $________ to the Hudson Fund, at $________ per year for _______ years, beginning ________.

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Return to: Eta Kappa Nu International Headquarters University of Missouri-Rolla Box HKN Rolla, Missouri 65401
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 1955 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 1968 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 Kappa Nu.

This award considers not only the scholastic achievements of the stu.

THE
ALTON B. ZERBY and CARL T. KOERNER
OUTSTANDING ELECTRICAL ENGINEERING
STUDENT AWARD
1995
Anaheim, California
July 24, 1995

Text by
Marcus Dodson

THE ETA KAPPA NU ASSOCIATION
1995

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(Continued on Page 7)
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 SCASI and channel interface products. At COGNEX Reema held the positions of Assistant Applications Engineer and Assistant Systems Administrator, writing programs, troubleshooting, 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.

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

Michael Nguyen Van Chau
Honorable Mention

Abigail Lynn Ela
Honorable Mention

Reema Gupta
Honorable Mention

FINALISTS 1993
Jason Christopher Demas .................. Purdue University
Susan Elizabeth Kersey .................. Arizona State University
Derk 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 6)
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 2003 issue, so as to coincide with the 100th year anniversary of Eta Kappa Nu.

THE BEGINNING

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 from that document:

<table>
<thead>
<tr>
<th>Significant Historical Events</th>
<th>School Year</th>
<th>Significant Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alpha chapter organized at University of Illinois</td>
<td>1904-1905</td>
<td>Alpha chapter organized at University of Illinois</td>
</tr>
<tr>
<td>Electrical Field Yearbook first published</td>
<td>1905-1906</td>
<td>Electrical Field Yearbook first published</td>
</tr>
<tr>
<td>First Eta chapter established at Purdue University</td>
<td>1907-1908</td>
<td>First Eta chapter established at Purdue University</td>
</tr>
<tr>
<td>First alumni chapter established in Pittsburgh, PA</td>
<td>1908-1909</td>
<td>First alumni chapter established in Pittsburgh, PA</td>
</tr>
<tr>
<td>First Honorary Member initiated</td>
<td>1910-1911</td>
<td>First Honorary Member initiated</td>
</tr>
<tr>
<td>The BRIDGE first published as annual magazine</td>
<td>1911-1912</td>
<td>The BRIDGE first published as annual magazine</td>
</tr>
<tr>
<td>First general revision of HKN Constitution</td>
<td>1913-1914</td>
<td>First general revision of HKN Constitution</td>
</tr>
<tr>
<td>The BRIDGE became a quarterly publication</td>
<td>1920-1921</td>
<td>The BRIDGE became a quarterly publication</td>
</tr>
<tr>
<td>Executive Secretary and NAB elected by national convention</td>
<td>1927-1928</td>
<td>Executive Secretary and NAB elected by national convention</td>
</tr>
<tr>
<td>Biennial national conventions authorized to replace annual convention</td>
<td>1930-1931</td>
<td>Biennial national conventions authorized to replace annual convention</td>
</tr>
<tr>
<td>A. B. Zerby began personal visits to student chapters</td>
<td>1931-1932</td>
<td>A. B. Zerby began personal visits to student chapters</td>
</tr>
<tr>
<td>First and last biennial convention was held</td>
<td>1932-1933</td>
<td>First and last biennial convention was held</td>
</tr>
</tbody>
</table>
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 and Honorary Member was established
1950–1951 ETA KAPPA NU was incorporated
1953–1954 50th anniversary convention was held
1954–1955 Engineering Guidance film was produced
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 toward their goal. Eventually, ALPHABETA 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 a committee 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. I witnessed similar zeal on the part of HKN members. I witnessed similar zeal on the part of HKN members. The vitality of HKN rests in its 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.

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

RUSSELL NIEDERJOHN NAMED IEEE FELLOW

by James A. Heinen

Russell 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 1914. He grew up in the east, spending most of his early years in Massachusetts. He received his bachelor’s degree in 1957, his master’s in 1959, 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 $300,000 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 Schmitt 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
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 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 MSEEE 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 Balderton, former member HKN Board of Directors; Jim D’Arcy, HKN President 1982 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.
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 of service. His position at the 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 a master's degree in nuclear Engineering at the University's Moore School of Electrical Engineering in 1954.

He was a member of Tau Beta Pi andEta Kappa Nu honor societies.

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; his brother, Robert H. and Andrew H.; daughters Margaret M. and Dami 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 1969, 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 the establishment of the college's Engineering Science program and the building of its nuclear reactor. In 1969, 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 of Illinois.

Lawrence W. von Tersch, a professor of electrical engineering at the department's tenures and his successor as dean, says his greatest achievement was as a scholar and an engineer and wrote in the numerous textbooks he wrote: "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 revolutionized 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 resident member of the utility community. His unique blend of personal style, creativity and inventiveness will be missed.

A graduate of MIT (BS 1929, MS 1938), he spent his entire working life in the nuclear power field. His awards include ETA Kappa Nu's Outstanding Young Engineer Award in 1936, the Westinghouse Order of Merit in 1957, Fellow of AIEE in 1940; honorary doctorate from Washington & Jefferson University (1941); IEEE Medal in 1982; IEEE Harlen Award in 1982; 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 Dobles Engineering Company. His areas of interest included power systems, lighting (among his fourteen patents was the patent on the lighting stroke generator), education, and computer science. In this latter connection, he was 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 nuclear power industry. He retired his association with Westinghouse until 1946 and moved to Portland from Pennsylvania the following year.

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 1960s 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.

Bellaschi, as a Fellow of the IEEE, was active with the organization and 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 Electrotechnical Commission and the International Conference of High Voltage Systems and frequently served as the United States representative to 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; daughters, Drusilla Pagel of Vancouver, Washington, and Maria Helen of West Linn; and eight grandchildren.

The following is from Peter Bellaschi's dissertation on standardization, which was submitted in Washington, D.C. on the occasion of the sixthtieth anniversary of ANSI at the National Bureau of Standards.

1991-92 Chapter Awards

The Outstanding Chapter Activity Award Program continues to do what it has been doing since 1982, 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 copied the Northern Illinois University chapter, which received Honorable Mention. Four other chapters were cited for their meritorious programs and received Certificates of Merit as an up and coming chapters. They were Iota Epsilon 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 walnut.

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 they are completed 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 BRIEDE 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.
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ETTA KAPPA NU - Zeta Chi Chapter

UNIVERSITY OF CENTRAL FLORIDA

A LETTER FROM YOUR 1991-92 OFFICERS

September 22, 1992

To the Members of Eta Kappa Nu:

The year 1991-92 has been a year of growth and development for the Zeta Chi Chapter of Eta Kappa Nu. As you can see from the attached schedule, we have enjoyed a busy and productive year. We have grown in membership, in activities, and in spirit. Our Chapter members have participated in various activities such as initiation, social events, and community service. We have also hosted several events and have invited guest speakers to our meetings. Our Chapter has continued to support the students of the College of Engineering by offering a variety of programs and services.

Our major goal is to continue the strong tradition of the Bridge spring in honor of the College of Engineering. We have worked hard to ensure that the Bridge spring is successful and enjoyable for all attendees. We would like to thank all the members of the Chapter for their contributions to the success of the Bridge spring.

With the merging of the Department of Electrical Engineering and Computer Engineering, we have one of the largest departments in the College of Engineering. This is an opportunity for us to expand our horizons and to work closely with other departments. We encourage all members to take part in the activities of the Chapter and to involve themselves in the affairs of the University.

Thank you for your support and cooperation.

Michael Smith
President

Karen Johnson
Vice President

Eric Yoder
Secretary

Joan Fangman
Treasurer

The Zeta Chi Chapter of Eta Kappa Nu wishes to express its appreciation to all the engineers and members of our community for your support and encouragement.

ETTA KAPPA NU - Zeta Chi Chapter
1991-92 Chapter Report

UNIVERSITY OF CENTRAL FLORIDA

FACULTY DEPARTMENTS

The Zeta Chi Chapter of Eta Kappa Nu is composed of all the engineering faculty and staff. This chapter has continued to grow and develop in the last year. We would especially like to thank the following people for their contributions:

Dr. John A. Hils
Professor, University of Central Florida

Dr. Mike Tucker
Chair, Electrical Engineering Department

Dr. Chris Rabe
Chair, Computer Engineering Department

The Zeta Chi Chapter of Eta Kappa Nu wishes to express its appreciation to all the faculty and staff members for their support and encouragement.

ETTA KAPPA NU - Zeta Chi Chapter
1991-92 Chapter Report

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