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An Equal Opportunity Employer
The Care and Feeding of Young Engineers

Abstract
The greatest resource of any country is the mental capability of its young people. This is especially true of the engineering creativity in a country with industrial potential. It is the resource of engineering talent that will permit a nation to achieve a rate of development commensurate with its resources and maintain its proper rank in the community of industrialized nations.

Young engineers, to achieve maximum success, must receive a financial reward that an engineering career offers. What matters more is the job satisfaction through the creativity of their jobs and should not study engineering as a "Get Rich Quick" scheme. Use the reward that an engineering career offers. What matters more is the job satisfaction through the creativity of their jobs and should not study engineering as a "Get Rich Quick" scheme.

Motivation
Unfortunately it is impossible to determine by any method of testing, the reasons why a young person decided on an engineering career. This decision is usually made after a significant age of maturity to enable him to make an adequate decision and, too often, the decision is made for him by his father, another member of the family, or perhaps it was influenced by his peer group or the media.

Regardless of the motivation for an engineering career, these are the young people we have to be available and must be in carrying out the tasks that are at hand. Therefore, is it important that the professors in engineering schools, as well as the practicing engineers, who come in contact with these students, make every effort to make the students comfortable and provide the atmosphere which will permit a proper motivation to develop. What is proper motivation? Some students must be motivated to be technically creative experts and yet others must be motivated to become effective management engineers. The accomplishment of financial success should not be a motivation. The challenge of working out a complex technical problem with the desire to direct the work of a group for optimum effort, should be the motivation.

Early Training and Selection
Young graduate engineers should be rotated through several work assignments during the first few years of employment and carefully supervised in an effort to determine (if possible) the specific area of competency of the individual; technical, managerial, or educational. Since graduation, the management potential is known to be in short supply, the maximum utilization of the available talent is essential and can only be achieved by using each engineer in the area of his greatest competence and some of his movement for system expansion can be purchased to match the rate of system growth and attract well qualified employees, the work of the engineers and managers required to install and operate the equipment. Every engineer must be made to prevent a "brain drain" in which engineers will be diverted from their area of greatest competence by promise of greater financial reward in other areas. Engineers must be paid for their work and be assured that they will want to continue working as engineers; and to continue working creatively, enthusiastically, and productively.

Ladders to Climb
Should management positions be rotated or should they be permanent? Should management positions carry an extra increment of financial remuneration? I believe "no" must be the answer to both these questions.

Money is important to all of us, but it should not become the primary objective. The accomplishment of the assigned task in an expert fashion should be the dominant consideration but we must not forget to give the financial adjustment that is just reward for their performance of excellence. Here again the responsibility falls upon the older generation. We must be ready to recognize and prescribe the most suitable recognition including financial rewards.

References
Alpha Chapter of Eta Kappa Nu at the University of Illinois Champaign-Urbana held its Initiation Banquet and celebration of Eta Kappa Nu's 75th Anniversary at the Ramada Inn on November 16, 1979.

Andrea Mravca, Chapter President, opened with a welcome to all present. Among several guests she presented was Mr. William T. Burnett who is the only living founder of Eta Kappa Nu. He was accompanied by his daughter. Previously Mr. Burnett had been given the Distinguished Service Award but as a token of affection Andrea Mravca presented him with an Illini Boosters cap on behalf of Alpha Chapter.

Dr. George Swenson, Jr., new head of the Electrical Engineering Department presented certificates to 70 initiates.

Dr. Alan Stoudinger, International President, presented the Distinguished Service Award to Mr. Jack Farley and greeted the new initiates as well as the guests.

The speaker, Dean D.C. Drucker of the College of Engineering at the University of Illinois was introduced by Walt Fehr, Initiation Committee Chairman. Dean Drucker commended the initiates and urged them to greater goals.

The outstanding University of Illinois Jazz Band played for dancing and the entertainment of the guests.

Text by
Ethel Williams

Chapter's
Initiation

Banquet

Photos by
Marcia Peterman

IDENTIFICATION
Opposite Page:
The George W. Swensons. Dr. Swenson is Head of the Electrical Engineering Dept.

William T. Burnett (center) with Daughter Frances and Mr. Clarence Armstrong. Mr. Burnett is the only living founder of Eta Kappa Nu.

Andrea Mravca, President of Alpha Chapter; Parker Wheeler; brother of founder E. B. Wheeler; Mrs. Ethel Williams; Administrative Manager of Eta Kappa Nu.

This Page:
Dr. and Mrs. Alan Stoudinger (center); Mr. and Mrs. Jack Farley and daughter Daryl-Lynn. Dr. Stoudinger is International President and Jack Farley is Past President.

Andrea and friends
Dean and Mrs. Drucker and Parker Wheeler.
Poems By Amy Tague

-If-

If all things were meant to be right...
there wouldn't be erasers.
If all things were meant to be bright...
there wouldn't be night.
If all things were meant to be known...
there wouldn't be books.
If no love was meant to be shown...
there wouldn't be us.

Amy Tague

If all things were meant to be mine...
there wouldn't be others.
If all things were meant to shine...
there wouldn't be polish.
If all things were meant to share...
there wouldn't be possession.
If no one was supposed to care...
there wouldn't be us.

If all things were meant to be...
there wouldn't be sorrow.
If all things were meant to see...
there wouldn't be blindness.
If all things were meant to have a mate...
there wouldn't be loneliness.
If all things were made to hate...
there wouldn't be us.

But things are to be glad...
and there is happiness.
Things are to be sad...
and there is sorrow.
Things are great up above...
and there is freedom.
Things are to have love...
and there is us.
John E. Farley was presented with the Distinguished Service Award by the Eta Kappa Nu Association. The presentation was made November 6, 1979 at ceremonies and a dinner held in Urbana, Illinois marking the 75th Anniversary of the founding of Eta Kappa Nu at the University of Illinois. Jack's association with HKN has spanned over 30 years. Starting in 1947 with Alpha Chapter at the University of Illinois where he was corresponding secretary to the present as he is still chairman of the HKN movie committee. He received his BSEE from Illinois in 1948 and earned his master's in electrical engineering from Northwestern University in 1955. In 1964, he was elected president of the Chicago Alumini Chapter which coincided with HKN's 50th Anniversary. He was a member of the 50th Anniversary Project Committee. This group searched for a way to mark the anniversary in a meaningful way and decided to make an engineering career guidance film to promote the interest of young people in engineering. Jack became chairman of the movie committee which raised the money and oversaw production of the film, "Engineering: A Career For Tomorrow." Through the movie committee, over 100 copies were placed in the libraries of high schools, colleges and businesses. Jack later served on the Board of Directors of HKN from 1966-69. In his last two years, he served as national vice-president and national president. In 1969, it was decided to update the movie by making a new one. The movie committee again raised funds amounting to $40,000 through the generosity of AT&T, IBM, RCA, Commonwealth Edison and other businesses. The film committee also had the help of many people and organizations to assist in the production of "Engineering: The Challenge of the Future." Over 300 copies of this film have been distributed to film libraries in the United States and foreign countries. Through this distribution method, the film was shown thousands of times to high school and college students. Because of his work to bring the engineering profession to the attention of young people, Farley was given the Alumni Loyalty Award by the University of Illinois in 1968. He is also a director of ETAE, the electrical engineering alumni association at Illinois.

Jack is currently district manager — switching systems services — for Illinois Bell Telephone Company. He has had an extensive Bell System career with assignments at Bell Laboratories and Western Electric Company's Defense Projects Division. He, his wife and two children have been resident of Park Ridge over 25 years. Their daughter, Daryl-Lynn, is currently an electrical engineering student at the University of Illinois and their son, Glenn, is a graduate student in journalism at the University of Missouri in Columbia.

Having attended both the 50th and 75th Anniversary celebrations, Jack said, "It is hard for me to realize 25 years have passed so quickly. But I am looking forward to the next 25 years and the really big one — Eta Kappa Nu's 100th Anniversary — in 2004.

MERRY MOMENTS WITH MARCIA

When a small boy came home one evening with $30 after selling magazine subscriptions, his father proudly asked: "How many customers did you have to go to in order to make all this money?" The boy explained: "I sold all the subscriptions to one man. His dog bit me.

A psychiatric board was testing the mentality of an old farmer. "Do you ever hear voices without being able to tell who is speaking or where the voices come from?" he was asked.

"Yes Sir."

There was a look of alarm among the board members. "And when does this occur?" one asked.

"When I answer the phone," he replied.

The man who admits he is wrong is wise; the man who gives in when he is right is married.

Department store sign: Keep Christmas with you all year — use our monthly payment plan.

One reason the dollar won't do as much for anyone as it used to is the fact that no one will do as much for a dollar as they used to.

Bill: "I just got back from a real pleasure trip." Neighbor: "Where did you go?"

Bill: "I drove my kids to camp!"

A hunter hired a guide to lead him through the wilderness. The hunter soon discovered they were walking around in circles.

"We're lost," the hunter complained to the guide. "I thought you said you were the best guide in the state of Maine.""I am," said the guide. "But I think we're in Canada now!"

Tim: "Look, Jim, why are you always trying to impress me? So you spoke to the waiter in French! So, big deal! So what good is it to know French?... What did he tell you, waiter?"

Waiter: "He told me to give you the check, sir!"

An employer interviewing an applicant remarked, "You ask high wages for a man with no experience."

"Well," he replied, "it's so much harder to work when you don't know anything about it."

A fellow was having his first date with a new girl. Things were going pretty well when she turned to him and coyly asked: "Do you want to see where I was operated on?" "Why sure," he exclaimed. "Well, all right," said the girl, "we've just two blocks from the hospital now."

The young man had just graduated from college and went to work in the family store. The first day his father asked him to sweep the sidewalk.

"But, Dad," he protested, "I'm a college graduate."

"I forget about that," replied his father. "But don't worry, I'll show you how."

Professor: "If there are any dumbbells in the room, please stand up.

(There was a long pause, then a lone freshman stood up in the rear.)"

“What! Do you consider yourself a dumbbell?”

Freshman: "Well, not exactly, but I hate to see you standing alone."

Several women appeared in court, each accusing the other of the trouble in the flat where they lived. The Judge, with Solomon-like wisdom, called for an orderly testimony. "I'll hear the oldest first," he decreed. The case closed for lack of evidence.

Teacher: Can you give me a good example of how heat expands things and the cold contracts them?

Student: Well the days are much longer in the summer.

After several earthquake shocks in the neighborhood, a married couple sent their little boy to an uncle who lived some distance away. A few days later, the parents received this telegram: "Am returning boy. Send earthquake.

by MARCIA PETERMAN
MEMORIES ARE MADE OF THIS

by Winston E. Kock
The University of Cincinnati

This second article on the series will, like the first, (November 1979), describe happenings which occurred during my early career in electrical engineering, discussing, in this installment, my first contacts with two famous Nobel Laureates, Max von Laue (Physics 1914), (rhymes with "now"), and Max Perlov (Physics 1918). But to make these articles more useful, hopefully, to BRIDGE readers (undergraduate students and degree holders), I shall occasionally refer to some thoughts on creativity. In this chapter I mention certain early habits of mine which probably were helpful in making my later years more rewarding.

In my recent book The Creative Engineer, (Plenum Press, 1978), I referred to some experiments in which Marmaduke at the University of Maine measured the brain wave activity of a group of inventors and a group of non-inventive types. His tests showed that the brain wave activity of the innovative subjects was always much higher than that of the non-inventive ones. In thinking about these 1976 findings of Marmaduke I recalled that in my early years, I had always kept my mind quite active, through chess playing (Fig. 1), through piano playing (Fig. 2), and through a lot of book reading (Jules Verne's "The Mysterious Island" had been one of my favorites). It is quite possible that this early brain activity was later responsible for my having 235 U.S. and foreign patents issued during my 14 years at the Bell Telephone Laboratories. Yet I had only been a moderately above-average college student (6th in my class of 20 in E.E.). This leads me to suggest that today's electrical engineering students might also find that keeping their minds active might help them to become more invention-conscious in their later years.

But to get back to my doctoral studies at Berlin under an International Exchange Fellowship. Because the winter semester at Berlin began quite late in the fall, I decided to spend some time taking a course in French at the Alliance Francais in Paris. Following that, another U.S. student and I decided to try our hand at hitch-hiking (in Europe in 1933). This "free ride" practice had begun to be popular in the U.S. during the early '30s "depression years" because the cost of travel had become a problem for many. Actually we did pretty well, going from the outskirts of Paris to Dijon, and then on to Dôle (where Pasteur was born). One of our pickups could hardly believe that we "signalled" him to ask for a free ride, and with the two of us in the rear seats, he kept referring to us (his pal in the front seat, in French) as those cheapsie Americans who couldn't even afford the cost of a bus ride!

Fig. 1. Intercollégiate Chess Champions of Ohio. Members of the chess team, University of Cincinnati may be seen in this group with their trophies, left to right, are: Meyer Zeligs, Robert Toegarden, Winston Kock (Captain), and Ernst Theimer. The team won over all rivals in a tournament in Dayton. A picture appearing in the Cincinnati Enquirer.

But we did get to Lausanne, Switzerland, taking a boat trip there on the Lake of Geneva, and passing the Castle of Chillon (which recalled the line from Byron's poem The Prisoner of Chillon: "Eternal spirit of the chainless mind, brightest in dungeons, liberty, thou art"). As I had planned the travel to Berlin via a boat trip down the Rhine River to Cologne, we parted company at Lausanne and I continued on my own. At Cologne I visited the Cathedral during a service there and I was amazed to hear the extremely long reverberation time. This was particularly noticeable when the pipe organ was played. It led to very unusual sounds, with earlier chords reverberating, clashing with the harmony of later chords being played. The endings, though, were always terrific; after all of the discords, the organist, by continuing to hold the keys down for the final chord, created a beautiful, long-lasting consonant sound.

I took the train from Cologne to Berlin, met the family I would be rooming with, purchased a bike to get back and forth to the two universities, and reported in at the International Institute. They had contacted Professor von Laue and I was most impressed with him on our first meeting. He suggested courses for me to take, including his theoretical seminar in physics. At this seminar, held once a week, a student of his would report on the progress he was making on his physics research (thesis) program. It was very high level research and hence attended not only by students but by many outstanding professors. One of these was another Nobel Laureate, Max Planck. As described by Nobel Laureate Max Born in his book "The Restless Universe" (paperback), "The great revolution in physics began with a single man, Max Planck. In 1900 he asserted that it is necessary to assume that the emission and absorption of light takes place in quanta, not in arbitrarily small amounts (as was possible according to the wave theory). And further, for light of a definite color, the amount of energy (E) taken in or given out by an atom is proportional to the frequency (v) so that E = h v, where h is the number known as "Planck's Constant." Incidentally, the author of the foregoing, Max Born, is the grandfather of that much admired singer, Olivia Newton John. I shall speak of the day in Cambridge, England, which I spent with him and his two daughters, in a later episode.

Because I always chose to sit toward the rear in von Laue's seminars, I had many occasions...

Fig. 2. Newspaper account of a piano concert in which the author participated (at age 13).
The Real China

by Albert Marien
HKN Auditor

Do you want the travel route of customary places for foreign visitors in China to see? Or would you choose the off-the-beaten track for foreign visitors? Or would you prefer to hear, feel, and see the Real China?

The off-the-beaten track would not be too possible for the average foreign tourist in Mainland China. The itinerary of such visitors from all over the world is pretty much controlled by the Chinese Government. An exception came to my attention recently. A University of Illinois graduate student received a visa from Peking to visit Chinese relatives who lived away from the sightseeing spots. The student was American born of Chinese parents. The student was given the Christian name of David. After the doors of China opened after having been abnormally closed from twenty-five to thirty years, Dave wanted to visit some of his relatives who lived in the interior of China. So he obtained his visa to
visit them for four and one-half weeks in the summer of 1979. When Dave returned from this "off-the-beaten" path trip to China, he gave me this verbal report: "Things were pretty harsh. When the Chinese Government learned of my proposed travel through visa application, "they" assigned better apartments to my relatives; and I feel that after I left, the electricity in their apartment was turned off."

In contrast to Dave's travel, my wife and I were on a tour of China, the itinerary of which kept us on a "beaten path" for tourists. Our tour was sponsored by the University of Illinois Alumni Association at Urbana, Illinois, and executed by two travel agencies — one local and one non-local. The controlled itinerary for us of thirteen days in China included four cities — Canton, Shanghai, Peking, and Beidaihe; three communes — industrial, farm, and fruit orchard, four factories — pottery, paper products as Chinese lanterns, jade, and oriental rugs, five sightseeing wonders — the Great Wall (over 3,000 miles of defense for ancient times), the Forbidden City (the home of Emperors and Party Chairman), the Temple of Heaven (house of prayer for Emperors), Tien An Men Square and monuments (largest in the world), and the Underground City (modern defense for all of Peking), and two cultural events — a ballet and a magic show. Our itinerary did not include the Summer Palace.

Above: Although since the Cultural Revolution the themes of the Peking Opera have been changed to subjects considered more relevant to modern needs and state interests, performances have nevertheless remained a fascinating combination of mime, music, drama and acrobatics.

Right: A part of The Great Wall of China.
Above: One of the hallmarks of the capital is a predilection for parades, public celebrations, and other group demonstrations, ranging from modest neighborhood gatherings to the grandiose spectacles that mark major state occasions. Despite official claims to the contrary, they are almost always carefully stage-managed.

Left: Among the historical and religious structures in Peking, the T'ien Tan (Temple of Heaven) is unique both for its unusual geometric layout and because it represents the supreme achievement of traditional Chinese Architecture. It was built in 1420 as a place of heaven worship for the emperors.

or the City of Nanking. At any rate, the "beaten path" for foreign visitors was only partially glamorized as rehabilitation and repairing since door opening were still in process. Thus, evidence of an "inner harshness" was present even on the tourist trail. Families had only two or three-room apartments; prized possessions were stacked against the walls. And for the most part, a meagerly-equipped kitchen was shared. Instead of two automobiles per family, there was mostly one bicycle per family.

Let's take a look however, at the Real China. It was not found on the "beaten path" or behind it; but in the People. The abilities, character, and personality of the Chinese on the streets and farms was delightful. They have a flare for the artistic and for perfected detail. The Chinese are good-naturedly curious after having been shut-off from the world for so long. They are friendly and anxious to talk to you (and not afraid of being followed as is reported of Russian peoples). The Chinese are industrious and honest. Take this incident for an example. My wife, in counting her Chinese money in one of the hotels, dropped ten yen on the floor. After the house boys had been in our room to "make it up", we found that the Chinese bill had not been touched. And tipping is considered offensive by service personnel; on occasion, a small gift is acceptable.

So what would you like — the customary travel route which is rapidly becoming glamorized, the off-the-beaten-path route which is harsh in nature and in which a Central China Committee recently abolished the legal profession temporarily, or the real China, the people of the street like you and I. These common people are curious, friendly, and honest?
Outstanding Young Electrical Engineers

by James A. D'Arcy
Chairman Award Organization Committee

Ronald G. Cornell is the Outstanding Young Electrical Engineer of 1978. The Award was presented to him at the 44th Annual HKN Award Dinner in New York City on February 4, 1980. The recognition is given annually to young electrical engineering graduates for meritorious service in the interests of their fellow men as well as for outstanding achievements in their chosen profession. At the same ceremony, Stephen F. Mauser was awarded Honorable Mention for 1979.

Dr. Cornell is a supervisor in the Exploratory Telecommunications Services Department at Bell Laboratories, Naperville, Illinois, and was named Outstanding Engineer for his "outstanding accomplishments in the field of telecommunication and for his participation in community activities and cultural affairs." Mr. Mauser (formerly of Westinghouse) is manager of product development of the Kertie Co., a subsidiary of Harvey Hubbell Inc. He received his honorable mention for "contributions to the field of electric power transmission and for leadership in professional and civic affairs."

The Award winners were honored both for their contributions to electrical engineering and for their contributions to society at large. Dr. Cornell was nominated by W. E. Danielson, Executive Director, Local Electronic Switching Division of Bell Telephone Laboratories, Naperville, Illinois. Mr. Mauser was nominated by Gordon C. Hurlbert, President of Power Systems Co. of Westinghouse Electric Corporation.

TheEta Kappa Nu Recognition is awarded to emphasize among electrical engineers that their service to mankind is manifested not only by achievement in purely technical pursuits but in a variety of other ways. Eta Kappa Nu holds that an education based on the acquisition of technical knowledge and the development of logical methods of thinking fits the engineer to achieve substantial success in many lines of endeavor.

The Jury of Award, appointed by the National President of Eta Kappa Nu, with the approval of the National Executive Council, consists of two present or past national officers of Eta Kappa Nu, and three or more prominent American educators or industrialists. This year the jurors were: Donald Christiansen, Editor of IEEE Spectrum; James A. D'Arcy (RCA Corp.), Chairman, HKN Awards Organization Committee; Anthony F. Gabrielle, Vice President, Computer Applications for American Electric Power Service Corp.; Eric Herz, General Manager of IEEE; John P. VanDyne, Vice President of Engineering for the Singer Co.; William Wangeren, President of Research for RCA Corp.; and Anthony Zygmunt, Chairman of Electrical Engineering Department at Villanova University.

Nominations for the Award are solicited each year through the Eta Kappa Nu Award Organization Committee. Nominations may be made by any member, or group of members, of HKN, by any Section or Group/Society of the Institute of Electrical and Electronics Engineers, by the head of the EE department of any U.S. college or university or by other individuals or groups, who, in the opinion of the Award Organization Committee, are properly qualified to make nominations.

The nominations for the 1980 Awards should be submitted to the Chairman of the Award Organization Committee, or to the Executive Secretary of HKN, by June 30, 1980. Any candidate who, by May, will have been graduated not more than ten years from the regular electrical engineering course (B.S. in EE or equivalent) of a recognized U.S. engineering school or who will not yet have reached his 35th birthday, is eligible.

Awards are made based on (1) the candidate's achievements of note in his or her chosen work, including inventions of devices or circuits, improvements in analysis, discovery of important facts or relationships, development of new methods, exceptional results in teaching, outstanding industrial management, or direction of research and development; (2) the candidate's service for community, state or nation, such as activity in philanthropic, charity, or social enterprises, leadership in youth organizations, or engagement in civic or political affairs; (3) the candidate's cultural or esthetic development, such as good work done in the fine arts, architecture or the drama, and courses taken or studies made in historical economic or political fields; and (4) any other noteworthy accomplishments including participation in professional societies and other organizations.

The Award Organization Committee members are James A. D'Arcy, RCA Videodisc Operations (Chairman); Irving Engelson, IEEE (Vice Chairman); Frederick A. Russell, New Jersey Institute of Technology (Secretary); Clarence J. Baldwin, Westinghouse Electric Corpora-
 Theta Lambda Chapter...

Univ. of South Alabama — Mobile

by Blanche R. Klumpp
Chapter President

On November 31, 1979 the Theta Lambda Chapter of The University of South Alabama in Mobile, Alabama was installed by Dr. William Klos of The University of Southwestern Louisiana. Dr. Klos, a past National President ofEta Kappa Nu, represented the National Board. The induction of charter members was held at this time.

Dr. Playne, Chairman of the Department of Electrical Engineering at the University of South Alabama, made it possible for the deserving students to become members of Eta Kappa Nu. The Electrical Engineering Department received ECPD accreditation during the summer of 1979. Following the accreditation, Dr. Playne worked hard to establish the Chapter and did so during the past Fall quarter. The total number of inductees came to thirty-two: eight were Undergraduates, two were Faculty, and twenty-two were Professionals (Graduates).

After the installation ceremony on the evening of November 31, a banquet was held with Dr. Klos as the guest speaker. In his speech he explained what the national dues were used for and the role of some of the board members. He also told of the four awards given by Eta Kappa Nu each year and challenged our Chapter to nominate candidates for these awards. The University of South Alabama Electrical Engineering students are very proud of the accreditation and the installation of the Chapter. Special thanks is given to Dr. Playne for coming and installing the Chapter and to Dr. Playne for his hard work in making it all possible.

Memories

watch Playne's reactions to the subjects presented. It was easy to tell which subjects were important because Playne listened very carefully then. But for many of the presentations, (they were scheduled from two to four p.m. on each Wednesday), we could tell that Playne did not consider them important, because he dozed off! I must add that in 1963 he was already an Emeritus Professor at Berlin University, and hence at the age where dozing off is not uncommon. And for someone who changed the thinking of physicists all over the world from the old classical form to the new quantum form, I am sure that the other students joined me in completely understanding that action!
PSI CHAPTER, University of Texas at Austin — The 1979 fall semester proved to be an eventful occasion for HKN. Several new endeavors were added to the chapter's regular activities.

The tutoring program is steadily becoming one of the most successful functions. In this program, active members provide assistance to the engineering student body in any of the required E.E. courses. Also, over 100 photographs were taken for student records this semester. These regular activities were supplemented by efforts to encourage more interaction with the E.E. student body.

To provide a more conducive atmosphere, coffee was made available at the HKN office and a photo display of members involved in various extracurricular activities was posted. However, not all of the effort was oriented toward current student interests.

For incoming students, a series of current E.E. projects was presented. Also, a collection of resumes was made for prospective employers. This collection will provide employers with a preview of the candidates, while financially benefitting the chapter. The success of these projects will be determined in subsequent semesters.

The traditional smoker attracted one of the largest pledge groups ever. Some 41 new members were initiated this semester. Also, for the first time in the history of this chapter, women officers were elected. The newly elected officers show promise for continuing improvements in HKN functions. The final activity was an "all you can eat" pizza and salad banquet that was enjoyed by all.

by Don Procopio

BETA-PI CHAPTER, The City College of New York — The officers of the Beta-Pi Chapter for the Fall 1979 semester were Robert Barry, President; Maha Osman, Vice President; Thomas Manfre, Treasurer; Juan Miranda, Pledgemaster; John Scaglione, Secretary; and Woodrow Europa, Bridge Correspondent.

The outstanding event sponsored by the Beta-Pi Chapter was the luncheon, held on November 15, for the 75th anniversary of the founding of Eta Kappa Nu. College and School of Engineering Administrators, Electrical Engineering faculty and Chapter members were invited. Among those who attended were Dr. Alice Chandler, President of C.C.N.Y.; Professor David Cheng, Dean of the School of Engineering; and Professor Mansour Javid, Chairman of the Department of Electrical Engineering. While we were enjoying our meal, faculty members and administrators spoke about HKN's activities and the Chapter's contributions to the Electrical Engineering student body.

The Beta-Pi Chapter, in conjunction with the C.C.N.Y. Branch of the I.E.E.E., organized a tutoring program to help students who have problems with basic circuit analysis and electromagnetics. This semester we provided 20 hours of tutoring per week.

We were also very fortunate to have a speaker from the Riverside Research Institute visit us and give an interesting lecture on the use of microwaves for diagnosing eye problems.

This semester we inducted 20 students and they wish to make the upcoming semester very productive.

by Woodrow G. Europa