NUCLEUS 1944
NEWARK COLLEGE OF ENGINEERING
Newark, New Jersey
Dedicated

TO SCHOOL

As we know it today...
... and to THE WORLD as it once was, and must be again
In this volume it has been the desire of the editors to present a portrait of the past, present, and possible future of those men in the class of 1944.

Foreword
Presidents Message

TO THE GRADUATING CLASS OF JANUARY 1944

If there is one thing of which I can be certain at the present moment it is that all of you who are graduating this January will be putting to immediate and practical use all the knowledge and technical training which you have been accumulating in the past three and a half years. You will all be making a very direct and real contribution to the one objective which is foremost in all our minds—the winning of this war.

Whether the United States of America wants you to make this contribution in the Army, in the Navy, in the Marines, or in industry, you will want to make it where that contribution is the greatest, where your own natural abilities and your own training will function to the greatest possible degree, and where your contribution will be the greatest contribution to the over-all picture and our one, common objective—the winning of the war.

In doing this, you will do well to remember that this is not merely a military war you are fighting and that the war machines—whether you operate them, produce them, or design them—are a very important part of the whole effort; and that they are only a means to an end, tools that must be used in order to achieve the kind of world we all want to live in.

You all know the social, the economic, and cultural principles which serve as a natural background for what we think of as the way we want to live; we have taken them for granted. They could be lost, but there is no possible chance of losing them if we all realize that we are fighting for them, if we all give to this effort all the energy and brains and enthusiasm that we possess. And then when we win them, we must see to it that we keep them and develop them.

And I would say in addition—although it may seem to you younger people rather idealistic and perhaps rather wishful at this moment—that when “patriots return to peaceful places to take up the burden of selfless ambition,” you not only will have contributed much to the victory but to the much that still remains to be done. You must continue to contribute until the victory is fully capitalized.

Those of us who are older would wish to help as much as we could in the winning and in the planning, but the bare, realistic facts of the case are that you will have to do, as younger men, a great part of this work yourselves—and I wish you success in it.

Allan R. Cullimore
Robert W. Van Horne
DEAN
**Dean's Message**

To you who are the members of the Class of January 1944, I have been asked to direct a message. Graduation for many classmates who entered college with you has been postponed indefinitely. They are the ones who choose to serve their country on the far-flung battle fronts of the world. You who remain chose to serve on the home front. The choice was not an easy one to make, but, having made it, you must assume the obligations and responsibilities which are yours and which, as I perceive them, are three-fold.

First, it is your responsibility not only to assure our fighting men an uninterrupted stream of the matériel of war, but also the very best, most advanced, and most effective that man can conceive. It is trite to say that this is a highly mechanical war but the very triteness of the statement emphasizes the great need that our fighting men have for the mechanical implements of warfare. You must give nothing less than your best effort so that you keep faith with those of your classmates and the millions of others who are carrying the fight to the enemy. They are depending upon you, and others like you, to keep them supplied with the best equipment possible. That is your first responsibility.

Your second responsibility is to meet your obligations as a citizen so that the American way of life—the right to life, liberty, and the pursuit of happiness, and the very thing for which we are fighting—may be preserved. It must be waiting for our fighting men when they come home, wearied from months and years of war. It would, indeed, be a hollow victory if they returned to find that the ideals and principles for which many have given and many others will give their lives had been lost on the home front because you and I failed them in our second responsibility.

Finally, you must do everything within your power to prevent another holocaust such as the one through which we are passing. It will take young men of vision and courage to see that the mistakes of the last twenty-five years are not repeated. This great nation of ours must take its rightful place in the world of nations to maintain the peace that will follow the victory. The causes of war must be removed so that no fanatic can ever again gather together a band of rabid followers, as did the Austrian paperhanger, and drag civilization through the mire of war and desolation. That is your third responsibility.

To fail in any one of these three responsibilities is to fail in all of them. Without the implements of warfare that our armed forces require, there can be no American way of life. Without the American way of life there can be no hope of a lasting peace for the peoples of the world. Without a lasting peace there can be no real victory.

Robert W. VanHouten
The editors of the yearbook, in asking for a message for their readers for 1944, have paid me a compliment marked with charity. A message of this kind, coming as it does from a graybeard to a stripling, assumes that the one who delivers it possesses wisdom. But, as we look around at what is left of the world, we must feel that if there is any wisdom abroad it is well hidden. Perhaps we are so little acquainted with it that we mistake other qualities for it. Perhaps there are no wise men. There are many well-trained today in the management of affairs, in government, in law, in war, in arts and sciences. They have been administering the control of the world for many generations and failing at it, and, since most of them have been men of good will, we must conclude that the task is too much for humanity if wisdom is not at hand.

This is not strange, because, as I said, we are not well acquainted with wisdom. We have given the name to other things; to expertness, to learning, to erudition. We say that this man is wise when he is only highly trained in some intellectual skill; that another is wise when he has attained to great office. Since we are mostly followers and not leaders, we think that wisdom clothes the one who creates a whirlwind in the world and who, like the fly in Aesop's fable, sitting on the axle-tree of the chariot, says, "What a dust do I raise!" But this may be the "Wisdom of the Egyptians" or the common sense which the world calls wisdom, and our inability to distinguish it from real wisdom is greatly the cause of our present troubles, since it leads to poor judgment in the choice of our leaders.

Our ignorance does not exist, of course, for want of instruction. There are repositories of wisdom which have been open to us for ages, with little effect. I remember that, as a boy, I listened every morning for a year to "the proverbs of Solomon, the son of David, king of Israel" read by an old gentleman who paused in his reading now and then to look over his glasses indignantly at his class by way of driving home a point. I remember him with more affection than any of my teachers, but in spite of his efforts, I did not get wisdom nor, with all my getting, did I get understanding. I still have to ask what wisdom really is and where it can be found. Perhaps hidden here and there with some unknown monk or obscure country doctor or, if such still exist, a teacher reading the Proverbs.

Having eliminated myself as a dispenser of wisdom, I may, without embarrassment, ask what we can do to make the world more livable. By studying the causes of strife between nations? This may bring us to the medieval and unfashionable opinion that the strife stems from certain of the seven deadly sins; pride, greed, anger, envy, and sloth. It may carry us further to the uncomfortable conviction that each of us has added his mite to the total barbarism, and that before we can set the nations in order, we must set ourselves in order. There is a Chinese proverb which may be helpful. "Wouldest thou rule a city? Learn first to rule thy family. Wouldest thou rule thy family? Learn first to rule thyself."

Why do I go on like this? Because I am afraid that the human race, considering the improvements it has made in the art of murder and the unexpected and overwhelming ways in which it is learning to put these arts into effect, is well on the road to annihilating itself.

How can we help in our own little ways? By not paying so much attention to the realists. They have gotten us into most of our troubles, anyway. And we can stop believing that one nation, or some groups in it, can be prosperous while millions in other parts of the world are perpetually in the first stages of starvation; that we, ourselves, who have no very clear picture of ourselves, anyway, are better, nobler, more capable than others; that somehow, without too much effort and with little sacrifice, things will come right again. And, of course, we shall have to stop disliking foreigners because their speech, or their manners, or the shape of their skulls offend us. It is not likely that such a Utopian condition will be general on the earth, considering the material we have to deal with, but even a few steps in that direction might save us.

JAMES A. BRADLEY
James A. Bradley

Dean in Charge of Graduate Courses
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It hardly seems necessary to acknowledge the fact that this, the 1944 Nucleus, compiles a record of events which, unfortunately, are climaxed by a period of worldwide pain and strife. The task of producing this record has been made increasingly more difficult by the pressure of this hectic period; however, with grim determination, we have carried on. It is hoped that this attempt at preservation of fond memories will serve as fuel for the already glowing banked fires of remembrance.

At this point it might be well to make mention of the efforts of our members now separated from us. To Mr. E. A. Farrell we are indebted for his splendid work as Advertising Manager, Paul vom Eigen for his scheduling of photographic appointments, and Robert Whinery for his editing of sports. Still with us, and responsible for many of the literary contributions to this yearbook are Michael Mitchell, Raymond Schaefer, Howard Hadigian, William Barrett, Albert Bickhardt, Leonard Krugman, Bernard Litwack, Albert Ott, George Leavitt, Allan Alexovits, Milton Maxwell, Gerald Liloia, and many anonymous contributors.

Frederic Wilson is responsible for the very skillfully woven Senior Class History. Mr. Kenneth Rogers has carried on with advertisements. Associate Editors William Guttenberg and “Todd” Wilson, along with Literary Editor Harold Greenstein, have coordinated the literary material for what is hoped will be interesting reading. As Night School Editor, Douglas Roome has cooperated and contributed prodigiously.

Mr. Hazell, our unofficial advisor, through his long experience with N. C. E. yearbooks, has very carefully guided us along the very perilous path of finance. Mr. Tumbleson, our librarian, has given much of his time to “hacking” the literary material.

I cannot feel in any way satisfied without extending my utmost appreciation to Mr. Gurwit with whom I have spent many hours and whose artistic taste has aided me immeasurably in the solution of design problems. Nor can I forget Herbert Ginsberg as Business Manager, a fine fellow and a willing co-worker who has been instrumental in bringing this yearbook to financial success. Finally, I want to thank Mr. Henry Schmider for giving so much of his time, energy, and skill to photographic reproductions of those images which appeared in my dreams.

EDITOR-IN-CHIEF
History of the Founding and Development of the Newark Technical School and Newark College of Engineering

In any discussion of the founding of the Newark Technical School and its affiliate, the Newark College of Engineering, that period in the 19th Century included between the years of 1878 and 1885 carries the most significance. In 1878, the matter of establishing a technical school was discussed by prominent citizens of Newark. In 1885, after some years of struggle and disappointment, the school opened its doors at 21 West Park Street, Newark.

In the years before the Civil War, the Newark Mechanics Institute had been in operation, but for various reasons this school did not flourish as had been expected. This older school had endeavored to give apprentices and mechanics in local concerns some training in theory as applied to their everyday work in industry.

In 1878, the need of a school for men who were employed in a number of flourishing industries of the city became apparent. This was emphasized by the Governor of the state, and other prominent citizens and officials. The Governor went so far as to appoint a committee to report on what steps might best be taken to establish technical schools in various cities of the state. The old Newark Board of Trade, now the Chamber of Commerce, through its President, Richard C. Jenkinson, was in the foreground of this movement. Others who were very much interested included Congressman Thomas B. Peddie, ex-Senator William D. Kirk, W. Foster Dodge, Dr. C. S. Stockton, Ex-Governor Marcus Ward, David M. Meeker, Albert M. Holbrook, Edward Weston, Andrew Albright, Noah F. Blanchard, George Phillips, Edward Goeller, and A. F. Martin.

Money was needed. The Board of Trade sponsored a bill which was introduced into the legislature in 1881, and passed soon after that. By its terms, $5,000 each year was to be appropriated by the state for the upkeep of a technical school in Newark, provided that the City of Newark, by subscription or contribution, would raise a similar amount each year.

With the financial end properly taken care of for the time being, a committee of citizens looked into the matter of securing a building to house the
school, and a director for the new institution. Charles A. Colton, Principal of Rose Polytechnic Institution of Terre Haute, Indiana, was appointed Director of the new school in the Fall of 1884. The building on West Park Street was obtained, and Director Colton, arriving in this city in November of 1884, supervised alterations and repairs so that on the evening of Monday, February 10, 1885, the first sessions of the school were held with 100 students registered.

The applicants for entrance to the institution increased each year, so that by 1896 the original building on West Park Street was entirely inadequate for the numbers who wished to take the course. In 1896, the present Administration Building on High Street was erected and in its early days was used entirely for classroom and laboratory work.

The growth of the institution continued, and fifteen years later, in 1911, the Laboratory Building was erected. About that time, Director Colton felt that the time had arrived for some branching out. Industry's needs for trained men during World War I added further impetus in the direction of engineering college work.

Director Colton retired in 1918 because of age, and he was succeeded by Dr. Daniel R. Hodgdon. Dr. Hodgdon secured from the State Department of Education in Trenton the right to grant degrees in the Newark Technical School for four-year courses in engineering given entirely in the daytime.

In January of 1920, Allan R. Cullimore was appointed Director of the Newark Technical School and Dean of the newly established college. Mr. Cullimore had been Dean of the Engineering Department at the University of Delaware for some years previous, and had established a reputation for progressive thinking in the line of engineering education. He brought with him many new ideas, and soon the evening school and the College were both flourishing, not only in numbers but in prestige. Although only eleven men received their diplomas in 1923, from this time on the numbers have increased until as many as 170 have finished in one year.

The College has been accredited by the proper authorities, its degrees are nationally recognized, and its graduates are accepted for graduate study in practically all engineering schools in the country.

With the Second World War, the College and Technical School as an institution was affected by the rush of youth to join the colors. To replace many of those who went, courses were established under the sponsorship of the Engineering, Science, and Management War Training Program. Employed men and women have taken short courses in various technical subjects to upgrade themselves for valuable work in industry or to fit themselves to take over jobs more essential to the war effort than those in which they originally found themselves.

A great deal of credit is due the teaching staffs of the College and Technical School for the admirable job that they have done in maintaining the quality of instruction in the face of the current emergency. The ranks of instructors and professors have been sorely reduced by men leaving for the armed forces, and with the increase in special courses, and the entrance of some five hundred soldiers, the burden has been terrific. To these men, as to those who preceded them goes the task of carrying on the traditions of a truly great school.
Three and one-half years ago, we entered the halls of this institution as young, ambitious, and somewhat bewildered embryo engineers. Some of us were armed with a certain degree of sophistication received from prep schools or from our work in industry. The majority, however, were lost in the maze of a new experience. Generally speaking, we were a carefree lot, untouched by the fever of world conditions, for you see, the War was a distant thing, and we had two large oceans to protect us. We entered the business of college life filled with all the awe, the hopes, and the fervor resulting from the promise of newer and greater things to come.

A few weeks after we had become accustomed to the routine of college life, and had had a chance to become acquainted with our fellow students, we got down to the job of class organization under the direction of the President of the Student Council. We chose Rufo Sanchez, president, Harold Belfus, vice-president, Carl Michels, treasurer, and Peter Poulos, secretary.

The fever of mid-year exams gripped us in its clammy grasp (remember them?) and we had our hands full for several weeks preparing for an ordeal which had not the terrors which we had been led to expect. The new semester found us a little more sure of ourselves, and we forged ahead with a fuller knowledge of what an education along engineering lines required of us.

In the Spring of 1941, we presented our first social event, the Freshman Dance. The affair, held in the Gym of Campbell Hall, was generally accepted as a great social and financial success.

The class elections late in the Spring, found Rufo Sanchez again installed in the President's chair supported by several of the old incumbents. We left school for our summer work in the field with new friends and a new way of thinking.

The first semester of our Sophomore year flowed smoothly. The even routine of our classes was broken only for such pleasant interludes as the Soph Hop which, incidentally, was pronounced a success. Yes, life was a careless joke to most of us; at least it was until that fateful day early in December of 1941. For on that day the conflict moved from Europe's doorsteps into our own backyard, and we of the younger generation began to realize what it was to be at war. School had more significance now; to some it was a means of draft deferment, but to most of us, remaining in school appeared to be the best means of serving our country. The tragedy of Pearl Harbor had a profoundly sobering effect upon our outlook; to some, the only escape from the nagging of conscience was to enlist in some branch of the armed forces. The Air Corps called...
and one, James Eng, it called permanently. He will never know what it is like to again live in the country for which he gave his life.

The Junior Year brought essentially the same officers. Under their guidance, our activities flowed smoothly and our social affairs proved very enjoyable.

The accelerated program, started in the Summer of 1943, brought home very forcibly that we were at war and that engineering students, as well as service men and defense workers, had a very important part to play.

As we approach the end of that period which for the majority of us constitutes our formal education, we cannot but think of those young men and women of our age in other countries who tried to get the same higher learning. Instead of attending classes under the ideal conditions of free speech and free education which we experienced, our fellow students in Poland, the Balkans, Czechoslovakia, Belgium, Holland, France, and the other occupied countries smarting under the German yoke, had to snatch their education at irregular times, never twice in the same place, and always threatened by the fear of apprehension by those deluded fiends who feel that the way of the Reich is the only way. It will be years before we fully realize the ease with which we obtained an education for which thousands of young people all over the world are willing to risk their very life's blood as did those two hundred students of the University of Prague, murdered by the brutal force of the Anschluss. College students everywhere will forever revere the memory of those men and women, and that reverence will serve as an inspiration and guide in their quest for a better world where the right to a proper education shall be the heritage of everyone, and where usurpers of that right will be forever outlawed.
JOSEPH AUMENTA

professed to be a philosopher and we could not deny the fact that he threw the proverbial "bull" most artfully. His glib speeches had a certain quality about them in that they were more abstract and on a higher plane than those preferred by his contemporaries. However, Joe had a serious nature which made him a plugger where his school work was concerned. Contrary to this description, he doubted the quality of non-technical subjects. As an engineer and fellow student he did not stand alone in this opinion. Joe, a regular fellow, was an active member of the ASME.

HERBERT H. BAUDISTEL JR.

known as one of the class' best dressed men, donned the khaki of the U. S. Army at the end of his junior year. His hobby, piano playing, became of real service when he was called upon to play at several class affairs. The boy from Irvington took an active part in extracurricular activities of his fraternity, Alpha Kappa Pi, and the ASME. With his good sense of humor he can give and take a kidding with the rest of the boys, but blushes at the mention of "Charlotte".

GEORGE APFEL

was the chairman of the N. C. E. branch of The American Society of Mechanical Engineers which was quite a distinction since this was one of the largest student branches in the country. Among the offices that he held were chairman of the Soph Hop, and chairman of the ring committee. George was a member of the Alpha Kappa Pi Fraternity and was one of the N. C. E. boys elected to Who's Who in American Colleges and Universities. Being a lover of the great outdoors, George liked to go on camping trips and use the ground for a mattress and the sky for a blanket.

NORMAN HAMILTON BRAGAR

was one of our good students who found enough time to serve as vice-president of the ASME as well as participate in intramural sports, serve as chairman of the Spring Dance, and keep up with the most social activities. In June of 1943, Norm had the honor of being elected into Tau Beta Pi. As time went by Norman's interest in Mechanical Engineering branched out into the field of power and Marine Engineering, as a result, early in his Junior year he joined the Naval Reserve Program and was called to active service in June, 1943.

WILLIAM K. BARRETT

was not the type to make his voice heard above the rest. He seemed to think that anyone who wanted to hear what he had to say would keep quiet and listen. Bill was noted on the campus for his participation in the journalistic affairs of the Technician. His service on the yearbook staff was notable also. However, his most outstanding extracurricular activity had to do with one of the college's few co-eds, which may indicate that Bill was a man of no mean ability.

AMERIGO ALLAN BURRUANO

or "Burr", as he was called by his friends, usually spent his leisure time attending a movie or playing a piano. Mr. Burruano could usually be found eating his lunch on the campus and discussing a Machine Design problem. He became a member of Delta Sigma Zeta Fraternity in his freshman year and has been very active in all their affairs. Besides being a member of the ASME Mr. Burruano has been active in inter-fraternity sports.
RALPH S. CAMPANELLA

was perhaps one of the greatest believers in “utmost respect for instructors”. He was active in the Delta Sigma Zeta Fraternity, where he held the office of vice-president while in his junior year. He was also a member of the ASME. He participated in inter-fraternity and intramural sports, among them being softball, basketball, table-tennis, and bowling. Besides school work, movies, dances, and reading occupied much of Mr. Campanella’s time. He was called into the Army on June 2, 1943 as a member of the Enlisted Reserves.

VINCENT PAUL DeMARCO

was swept in the current that removed many fellows of the class of ‘44 from our alma mater and deposited them in Cornell University under the Navy V-7 plan. There they have picked up the strings of their engineering education and are expected to graduate with an engineering degree. Paul was one of our big boys, but his manner was not indicative of his size. His quietness probably aided in endearing him to his fraternity brothers in Delta Sigma Zeta. Vince played in intramural and inter-fraternity sports, was a member of the ASME, and stood guard on our stairways when the air raid alert sounded.

CARL R. CARLSON

was a fellow who always had a smile for his friends. Before the Army called him, he was taking the mechanical course at college, was active in sports, and other activities. He was a member of the J. V. basketball team, tennis varsity team, and the boxing club. His chief hobby was collecting match books from places he had visited. Carl liked to dance, and was very good at it. He disliked “snobs” and complaining people.

ROBERT A. DIRK

comes from a long line of engineers. He attended night college for some years, but after enlisting in the Navy V-7 plan he left for active service before he could graduate. Bob’s chief interest was marine engineering. He worked at the Federal Shipbuilding and Drydock Co., and often attended shakedown cruises on the ships built by that company. Bob liked art work and considered it his hobby. An active member of the ASME, he spent his leisure time enjoying the popular sports of swimming, hunting, and fishing. We feel that our loss will be adequately compensated by the Navy’s gain of such a fine young man.

HARRY GAIL CLARKE

spent his freshman year at Alabama Polytechnic Institute, and came to the Newark College of Engineering in his sophomore year to continue his studies in mechanical engineering. “Alabama” Gail was a tall handsome fellow with a rather quiet way about him. He was a member of Sigma Pi, and, in his senior year he performed a most superlative job as editor of the fraternity’s alumni magazine. Gail was a member of the student branch of the ASME. In his spare time he managed to keep up a good bowling score, and was an active de Molay.

EDWARD A. FARRELL

one of the “old” men of the class of ‘44, distinguished himself by the success with which he accomplished every endeavor in which he partook. As president of the ASME he won the medal given by that organization to honor the person who had contributed the most to the society during the year. He was hard at work as advertising manager of our yearbook, when, like all of our Navy V-7 reservists, he was called to Cornell University in June, 1943. Ed is a likable chap and has quite an executive personality.
RALPH L. FRASCA

has carved a deep niche into the memories of his fellow classmates for the three years that he has been at N. C. E. His is a jovial nature with no room for animosity. Ralph joined the navy under the Navy V-7 plan and left for active duty in June, 1943. He was a brilliant student and netted the office of president of the honorary fraternity of Tau Beta Pi for the year 1942. His other accomplishments were ASME membership, representative in the student-council faculty relations committee, college air raid service, and intramural basketball.

KENNETH R. GROBHOLZ

spent much of his spare time in his car where he was either playing or trying to sell his radio (he has probably sold it by now). Ken generally kept in the background in most activities, but he was a hard pluggger when delving into the intricacies of machine design or accounting. He made Honors Option and was a student member of the ASME. Ken’s chief interest lies in radio, but not particularly the selling phase. Rumors have it that he has centered his attentions toward matrimony. The class is assured of your success, Ken.

ROBERT A. HANLE

found time between classes and working in the school library to make Honors Option and to become very active in school affairs and activities. Besides retaining his membership in the ASME he was president of the AKPi Fraternity, sang in the college glee club, was chairman of the Holdover Committee, and during his junior year became Student-Council president and was admitted into the honorary fraternity of Tau Beta Pi. All his work at N. C. E. was cut short in June ’43 when he was called to active duty in the navy reserve under the V-7 plan. Bob’s hobby as commanding officer of the First Sea Scout Division of East Orange will come in handy now.

RUSSELL W. HERRMANN

came to N. C. E. from Irvington to show us his prowess as an engineer. He has succeeded by making Honors Option and in the meantime has proven to be an easy fellow to get along with. He professed an aversion to tests and exams, but we doubted his seriousness since courses at N. C. E. were made almost entirely of competitive tests. This last statement merely reflected the opinion of most of the senior class. Russ liked sports, fishing and target shooting being his hobbies, and has competed in intramural softball. He was also a student member of the ASME and an officer in the Phi Sigma Omega Fraternity.

JOSEPH HUTCHINGS

left N. C. E. to serve his country in the Navy V-7 program. He was a brilliant student, well in the upper ranks of the class, and was admitted to the honorary fraternity of Tau Beta Pi prior to his leaving for active service. This good-natured lad from Montclair was everybody’s friend. Joe was separated from his buddies when he was sent to Swarthmore College in Pennsylvania instead of Cornell University. An active member of the ASME, he was on the air-raid service staff, and played in intramural games. Joe’s shyness of women kept him away from most of our school dances.

ADAM KIRCHUK

was not expendable to the Nucleus, but he left for the army when the E. R. C. was mobilized. Adam’s ability as an artist was well borne out by the pencil sketches of glamorous Eves that adorned his text books. Had his talents been available to anyone but Uncle Sam, he would probably have contributed many sketches of pin-up caliber to our yearbook. The foregoing may seem a bit mercenary, but the truth is that the class missed Adam, along with his ready laugh and his “ipsy pipsies”. Adam was on the J. V. and Varsity basketball teams.
HARRY M. KOBLIHA

was a quiet boy, who must have been thinking while the rest of us were talking, for he chalked up a good scholastic record at the college by maintaining Honors Option level. Quiet though he was, Harry was no dead head, for he was always in the midst of fun and was easily made to laugh. In the spring of '43, he left for the army air forces as an engineering aviation cadet. His extracurricular activities included membership in the ASME and active participation in intramural basketball.

WILLIAM FREDERICK LAMPE

was physiologically a good example of the tall, slender, athletic type. He took an active part in intramural sports, especially basketball, and was one of the last to leave the gym, even on those blistering hot days. Bill was on Honors Option and was a member of American Society of Mechanical Engineers. Outside of school, Bill's activities, besides sports, centered around celluloid. He's either in the movies or taking photographs.

MORTON KREITCHMAN

has a voluble personality and a half developed laugh that would identify him instantly no matter where he would be. "Throckmorton", as everyone likes to call him, has a serious side to his nature that has brought his scholastic record to Honors Option level. His questioning attitude toward information, which our professors are kind enough to divulge, indicates his matter-of-fact character that is a part of every engineer. Mort's diversions are pinochle and charming the weaker sex. "Throck" is an active member of the ASME, and delves into intramural sports.

ROBERT LEECH

before he was called to active service in the Navy, could be seen around the campus telling anyone who would listen how well his Chevy puddle jumper could climb the hills and what wonderful mileage he got. Whitey was also very proud of his 5" slide rule which was made by cutting a 10" slide rule in half. He claimed that it was just as good as a log-log-duplex-decitrig-vector. If he didn't have to spend his spare time fixing flats, we are confident that he would have invented something more practical while at N. C. E.

PETER KREITZ

had been in almost every room and compartment in the school, including the carpenter shop and the paint shed. He has even printed his name under the roof in the dust of the skylight of the Administration Building, where hardly a mortal soul has ever been. Pete spent some time in the machine shop, too. Actually Pete did other things at college besides explore. He made Honors Option in his sophomore year and was a member of the ASME.

SANFORD G. LEVAT

has an expansive sense of humor and will furnish a hearty laugh for any joke provided it is well told. However, he is a conscientious and efficient worker as evidenced by his achieving Honors Option. "Sandy" professes to know much about plumbing since it is his father's business, and we hope that it will help him in the field of engineering instead of vice-versa. Sanford was secretary-treasurer of the student branch of the ASME during his senior year, a member of the chess club, and active in intramural sports.
Milton Carter Maxwell

Better known as “the head” because of his crew haircut, was a jovial mechanical and illustrious secretary of Phi Delta Mu fraternity. Max was corresponding secretary of the ASME, served as president of both the I. F. C. and the S. A. M., and was on the Nucleus staff and the first-aid squad of the college air-raid service. His outstanding asset was an almost unlimited supply of funny stories in dialect, with which he brought many a buddy out of the dumps during lunch hour and put him in the mood for a long, arduous afternoon of book “larnin’.” But, don’t call him “good to the last drop.”

John J. McDonough

Hails from Plainfield, N. J., and came to N. C. E. because he probably could not find anything better to do. He claimed his pet aversion was “going to college”. If you were to ask him how his leisure time was spent he would say, “what leisure time?”. John was continually adding humor to a conversation whenever it was possible. A call by the U. S. Navy resulted in John’s leaving college.

William E. Melber, Jr.

Has reached the peak of effort and efficiency by working a full shift at night with the New York City Tunnel Authority and going to school during the day. Bill transferred from the night college to hasten his graduation. Another one of our “old” men, he is married, showing exceptionally good taste, and has an infant engineer. Bill is quite a proud papa and will talk about his little boy with very little inducement. He hasn’t lost his sense of comradeship with the boys and everyone feels that he is as regular as they come. Bill is an active member of the ASME.

Morton A. Meth

Is another one of us who was called from the inactive reserves into the army air corps at the end of the Junior year. He came to N. C. E. at the beginning of the Sophomore year and made many friends during the two years that followed. Mort worked after school in a liquor store and was well supplied with a long repertoire of jokes that were often repeated by the student body. One could always find him in the center of an absorbed group on the “campus” during lunch hours. Mort, a connoisseur of foreign dialects, was a student member of the ASME and active in intramural sports.

Joseph Paul Messina

Was very popular among his classmates, and also outside his immediate class. After becoming president of the Delta Sigma Zeta Fraternity in his junior year, he organized a series of social affairs in which he participated very enthusiastically. Besides being a member of the ASME, Mr. Messina had time to participate in inter-fraternity and intramural sports, his best-liked being table tennis. He enlisted in the Engineering division of the Army Air Corps and was called to active duty on June 24, 1943.

George Michaels

Has surprisingly little of the enunciation that characterizes a Hudson County man. He enlisted early in the army reserve and was called to active duty along with his comrades in June ’43. George liked the bright lights, a “hot” band, and was a passionate admirer of the American coed type. Most every noon he could be found in the corner “hash” house, his head conspicuously above those of his friends, as the juke box blared forth a confusion of melody and noise. One could always depend on “big” George being congenial. He was a member of the ASME and participated in intramural sports.
MICHAEL W. MITCHELL

third member of the front-row musketeers (Maxwell, Meyers, and Mitchell) whose bright faces shone up at all the profs from as near as their owners could possibly get, is the farm-boy of the class of '44. He always compares city food with his home-grown food, and it shouldn't be hard to guess which kind he favors. The vice-president of the S. A. M., "Mitch" has also been an active member of the ASME for three years, and was on the yearbook staff. He made Honors Option, although he was not a "C. G.", and as a first aid man he takes his place with the rest of the air-raid precautions group.

LEON MARANTZ

has everyone baffled by his great store of general knowledge. We feel sure the Passaic library cannot be responsible, so perhaps we have found someone who reads the technical journals that most of us are receiving through professional societies. Like most fellows from Passaic, Leon cannot tell a good joke although he is very susceptible to the humor and witticisms of engineers. An altogether swell fellow, he is an active member of the ASME and participates in intramural sports.

DOUGLAS C. MEYERS

abandoned the study of thermodynamics and the likes at N. C. E. by joining the Army Reserve. He left in June '43 and finally landed at the University of Missouri. "Doug" excelled in sports, especially track, and could be depended upon during track meets to win first place in the high jump. His unique style of jumping may be reminiscent of the way he caught dogs in Texas. "Doug" hails from the lone star state, but it took N. C. E.'s only Junior coed to make him leave his heart deep in Caldwell. Besides track, D. C.'s extracurricular activities included basketball and membership in the student chapter of the ASME.

LOUIS M. NUCCI

has been one of the more active members of his class. He participated in college activities since he first entered college joining both the Delta Sigma Zeta Fraternity and the fencing team. He became a member of the I. F. C., the ASME, and was secretary of his fraternity. Captain of the fencing team, member of the Student Council, and later vice-president of Delta Sigma Zeta, Louis has left behind him a fine record of activities. He also held an Honors Option and was circulation manager of the Nucleus.

JUSTIN V. PAULAUSKAS

will long be remembered by his college mates for his witty "cracks", especially in H. I. C. and P. of E. He was the type to enjoy himself in whatever he did, although they were usually things outside of college homework. For those who know John well, you certainly have not forgotten the unsurpassable combination of John and Carl Michels. "J. V.", who had a passion for badges, was an active member of Alpha Kappa Pi, the ASME, and the S. A. M. He was called to active service in the military forces through the Army Reserve.

CHARLES ALFRED PERELLI

hails from the little town of Tabor, N. J. and that is probably the reason why his hobbies are hiking and tennis. His leisure time is spent skating, skiing and playing tennis. Before leaving for Cornell University as a trainee in the Navy V-12 program, he was very active in college affairs, being secretary of the A. S. M. E., treasurer of the Tau Beta Pi Fraternity, treasurer of the Junior class, and serving on the class dance committee. "Charlie" is a very conscientious fellow, and is sure to attain a worthwhile goal in life.
JOHN VINCENT PETITTI

by the ability and ease with which he talked when he was with people, accounted for the social success he acquired while at school. He was a member of the Delta Sigma Zeta Fraternity and held the office of treasurer in his junior year. He was secretary-treasurer for the I. F. C. and a member of the ASME. He participated in inter-fraternity, and intramural basketball, bowling, table tennis, and softball. He was an expert pitcher in the latter. His leisure time was spent engaging in social affairs and in the operating of an automatic screw machine. John was called to active duty by the Army Enlisted Reserve on June 2, 1943.

KENNETH B. ROGERS

is a quiet unassuming lad who believes that every problem can be simplified into pure calculus. He has a Missourian quality about him as exemplified by his visit to a company in Jersey City and asking a few employees what factors of plant location were considered when they built the factory. "Jolly" is very handy with a camera and has played in the school orchestra as a pianist. He is a member of the ASME and is advertising manager on the yearbook staff. When asked what he did with his leisure time, Ken reflected all of our feelings when he countered with a blank expression.

SOL POLLACK

shaved off his mustache when he began his campaign to enter the Army Air Corp Engineering Reserve. He was the last N. C. E. man to be admitted to engineering before the army's quota was filled. We felt an appreciable loss when Sol was called to active duty late in October '43. He was one of the main contributors to the absorbing bull sessions the senior "mechs" had every noon on our gravelled campus. Sol was an active member of the ASME and was on the rescue squad in the college air raid service.

RAYMOND F. SCHAEFER

believed that life should be humorous and enjoyable as well as industrious. He always enjoyed a smile from others and believed in returning it. In his opinion most of the "profs" had sufficient knowledge to teach, but lacked the ability. He was active in college affairs as well as being a member of the ASME, Phi Sigma Omega Fraternity, and secretary of his class. Ray had a way with automobiles and liked to work on them. He enjoyed sports, having played intramural basketball, and he also liked dancing and photography.

LEO REISBERG

was an energetic mechanical with a winning smile and a short haircut. He was president of Phi Delta Mu Fraternity, a member of the ASME, circulation manager of the Technician, a member of the IFC, and was active in inter-fraternity and intramural sports. Leo liked to dabble in photography, went to more social affairs than a movie star, and was probably the best pinochle player in school. Taking all his various accomplishments into consideration, Leo is our choice for the man most likely to marry the boss's daughter.

HENRY R. SCHMIDER

came to N. C. E. from Clifton High School with a fine scholastic and extracurricular record. His technical ability, outstanding speaking voice, and friendly personality have gained him many friends. Always active, he has made excellent use of the knowledge and skill he accumulated from his hobby of photography by flashing and snapping pictures all over N. C. E. as our yearbook photographer.
RICHARD SCHWARZ
was that fair-haired ladies-man mechanical
who used to spend his lunch hours catching
up on his afternoon devoirs. He was a mem-
ber of the student branch of the ASME,
and Phi Delta Mu Fraternity. “Shorts” never
was one to spend much time on homework, but
he was nevertheless one of the best apple-pol-
isers we have ever encountered. In his jun-
or year he enlisted in the Army Reserve, and
was called to active service at the end of that
year.

FREDERIC SCHWIEG
was one of the active men of the class. Social
activities and athletics seem to have flourished
around him. A member of Sigma Pi Frater-
nity, his ability at the piano brightened many
social gatherings at the chapter house. His
mastery of ping-pong highlighted the frater-
nity’s team play in the inter-fraternity tourna-
ments. He also took an active part in the in-
ter-fraternity baseball games. His able re-
presentation on the Inter-fraternity Council
was a valuable asset to his fraternity through
a critical year. Fred left school at the close
of his junior year to continue his studies with
the Naval Reserve at Cornell University. The
good wishes of his classmates go with him in
the navy.

CARL H. SEARCH
devoted all of his spare time to sailing his cat-
boat. When the Juniors were called upon to
enlist in the reserves, he characteristically
joined the Navy V-7 plan. He left for Cornell
University in June ’43. Carl told us that
N. C. E. men are doing very well in the navy,
and that the instruction we received here at
the college was tops. He helped the class of
’44 defeat the Sophomores in football back in
’40, and has played in intramural baseball
games. Carl was on the Honors Option list,
and was an active member of the ASME.

DONALD G. SMITH
made no preferences when bestowing his bright
smile upon anyone. It reacted upon his fel-
low students like a ray of sunshine brighten-
ing up our gloomy corridors on cloudy days.
Don joined the Army Reserve, left for service,
and was honorably discharged all in a short
period of a few months. He obtained a job in
the Worthington Pump Corporation in Harri-
sont, and like all good engineers that have jobs
he is making plans to increase his responsi-
bilities and decrease his freedom by getting
married. Donald was an active member of
the ASME and partook in intramural sports.

DANIEL J. SMITH
was a likable fellow who used his car as a bus
for students living in the direction of Oradell,
N. J., from where he commuted every day. His
most liked sports were hunting and fishing,
and he claims himself to be the best hunter
this side of the Rockies. Dan was a rather
quiet fellow in school and went about his work
without disturbing others. One of his desires
is to visit South America after graduation.

HERMAN SNYDER
worked a few years in industry before his in-
terests in science, mathematics, and machinery
induced him to choose engineering as his vo-
cation. His fine character and friendly per-
sonality have gained him many friends. For
his scholastic achievements he received an
Honors Option award in his third year, and
was elected to the Tau Beta Pi Association in
his fourth. An active member of the ASME,
Herman enlisted in the Army Air Force Re-
serve where he will soon apply his engineering
training for Uncle Sam.
F. LOGAN STANFIELD
has always shown great enthusiasm and interest in class affairs. As Editor-in-Chief of the yearbook, he unselfishly devoted a great deal of his time and effort to making it one that we would be proud of. The boys working with "Stan" found him efficient, considerate, and an amiable leader. He is an active member of the ASME and one of the select Who's Who in American Colleges and Universities. Along with his school activities and hobbies, radio, and photography, "Stan" has maintained his scholastic standing at Honors Option level. A connoisseur of fine smoking tobaccos and pipes, he maintains a large collection of both and can usually be seen "puffing his cares away".

FRED STOBER
came to school to study mechanical engineering. But he by no means limited his activities to engineering. A member of Sigma Pi Fraternity, he served as editor of its alumni newspaper, "The Bat". His most superlative handling of this assignment won him the nickname of "The Bat". Also known as "Smokey", he managed to keep things lively around the fraternity house with his bar-room style of piano playing. His outside interests included inter-fraternity sports, blondes, and just plain having a good time. A member of the Army Reserve Corps, Fred left us at the end of his junior year to go into training.

HAROLD TROUM
was that jovial mechanical, whose cherubic appearance belies his ambitious and studious nature. He was a member of Phi Delta Mu Fraternity and the ASME. He was a little older than most of us, but he always was "one of the boys". We will miss little Harold and his enumerable worries about his grades, his women, and his financial status; we hope he will miss us, and forgive the many pranks we played on him. He enlisted in the Army Air Corps and intends to "Keep Them Flying" for the duration.

GEORGE USHAN
is Hoboken's answer to the man-power shortage. He was an active member of Phi Delta Mu Fraternity and the ASME. In all the years of our acquaintance, we have never known him to pass up a pretty face, or hand a report in on time. George was best noted for his sarcastic humor, and the nonchalance with which he greeted life in general. He enlisted in the Army Reserve some time ago, and has already received his orders. A hint to future associates: Don't ask him to get you a blind date.

PAUL R. VOM EIGEN
started his career at N. C. E. in September 1940, having graduated from Irvington High School in June of the same year. His record while in college was an enviable one. In recognition of his outstanding scholastic record and general engineering ability, Paul was elected to the honorary Tau Beta Pi Association. He was also the recipient of an Honors Option award. Socially active, Paul is a member of Sigma Pi Fraternity, which he served first as vice-president, and then as president. He was also very active in inter-fraternity sports and other college activities, including the college first-aid squad. Paul enlisted in the Naval Reserve, and as a result was called to active service and sent to Cornell University at the end of his junior year.

MARTIN R. WEINBERG
was that short, dark, energetic mechanical whose sole purpose in life seemed to be tinkering with his 4-F jalopies, which he collected like most fellows acquire pipes. He was a member of the ASME and Phi Delta Mu Fraternity. The "Ripper" had quite a way with the ladies, and on occasions would persuade one of his outmoded "models". Marty enlisted in the Army Reserve in his junior year, and is now showing his stuff with the engineers.
ROBERT WHINERY

was one of our star athletes who made an enviable record on our Varsity Basketball Team. He helped in making our track team such a success during the '43 season. During the junior year, Bob was secretary of the class and a member of the Student Council. His personality matched his attributes in sports, and the boys as well as our coaches regretted his leaving for the Navy in the V-12 reserve. Bob was a brother in the Phi Sigma Omega Fraternity and was active in the ASME. Beside these activities Bob, while with us, acted as sports editor of the yearbook.

FREDERIC W. WILSON

has been very active in school activities, and his untiring energy has aided him in maintaining Honors Option level in his school work. Fred held the office of treasurer of the AKPi Fraternity for two years, played on as well as managed the varsity tennis team, was president of the Student Council, associate editor of the yearbook, and chairman of the holdover committee during the senior year. Fred is another of our Who's Who in American Colleges and Universities. On our last Visitor's Day he donated some of his time in our demonstration to the public of the magical feats an engineer is capable of performing. "Tod", an active member of the ASME, is a swell guy and the class has complete assurance of his future success.

ROY E. WILLIAMS

can be generally described as "happy-go-lucky". His glasses gave him a scholarly look which belied his truly carefree nature. Roy was shy among strangers, but could become voluble with his friends. Many fellows did not get a chance to know this humorous scholar because of his unobtrusive manner. After the entrance of the United States into the war, Roy lost interest in school work and joined the Army Reserve. He left at the end of his Junior year in 1943. His extracurricular activities included membership in the ASME and participation in the school's social affairs.

JOHN M. YARAK

a student in the mechanical department, hails from West New York. John was a member of the ASME, Phi Sigma Omega Fraternity, and before he was called by the navy was on the fire fighting squad of the college air raid service. Much of his idle time was spent working with tools and tinkering with a paintbrush. John disliked "sharpies" and always avoided chattering women.

DONALD A. WILLIS

left the college for the Army Enlisted Reserve Corps along with half the class of '44. Don was a small, quiet lad from Jersey City with dozens of tales of political intrigue about the place. Although not very active in extracurricular affairs, Don was usually present at school functions and society meetings. We all wish Don success in whatever he attempts to do, and we know that he has the ability, exemplified in his attaining Honors Option.

DAVID C. ZIMMERMANN

is our class valedictorian. He started early in his college career to chalk up an amazing scholastic record. Dave is a born engineer, and like all people endowed with abundant grey matter he has a quiet, modest disposition. For those that know him though, he can be quite chummy. Dave was admitted to the honorary fraternity of Tau Beta Pi, and was an active member of the ASME, for three years. Without doubt he will make a good engineer for the company that employs him.
WILLIAM BALL, JR.
is a student of the American Society of Mechanical Engineers. An evening student, he can be found during the day at the Walter Kidde Company. Bill decided to settle down, and get married just before his last year of school. He enjoys tennis, golf, reading, or music for relaxation. Bill is a “roaring tiger” when he gets aroused, but it takes quite a bit to get him aroused. He is a good scholar, and a diligent, congenial, energetic, sincere, good-natured, lively and very likeable fellow with a fine sense of humor.

EDWARD L. KIELCZEWSKI, JR.
is a student member of the American Society of Mechanical Engineers. During his first two years back in Newark Tech, he was working for the college during the day. Ed is now designing tools for the Krauter & Weber Tool Co. He is a good sportsman, and likes good music. He can occasionally be found out on the rolling green chasing that little white ball around. Ed also likes to take pictures. He is a serious, hardworking, regular fellow with a pleasing personality, and a bright disposition.

JOHN ALEXANDER BLACK
is a student member of the American Society of Mechanical Engineers. He spent a year in the Navy before entering evening school and now designs tools for the Eclipse Aviation, Pioneer Instrument Division of the Bendix Corporation. Photography and sports are his main hobbies. We will always remember “Black John” as a keen, good-natured, good-hearted fellow who would give you the shirt off his back if necessary.

FRED HOWARD LAIBLE
was active in basketball, wrestling, vice-president of the Athletic Assn, and class treasurer (1940) back in Newark Tech. He has held office on the Board of Managers, was financial secretary of the Newark Technical School Fraternity, is now a student member of the American Society of Mechanical Engineers, and has done work on the NUCLEUS. Fred, employed at the Alloy Steel Products Co. during the day, has gone through evening school doing good, thorough work in perhaps less time than most of us, but he still has had time to enjoy sports. Well liked, he is pleasant, enthusiastic, and usually digs down quickly to the root of each problem.

EDWARD PAUL GIESEKE
was president of the American Association of Engineers in 1937 and 1938, member of the Ring and Key Committee, and assistant advertising manager of the Fratech in 1940 back in Newark Tech. He is now a student member of the American Society of Mechanical Engineers. An evening student, Ed is kept busy during the day at one of the Jersey City American Can Company plants. When he has time, he enjoys fresh water fishing. Ed’s laboratory reports were always hand lettered works of art and his drawings beautiful to behold. He would rather burn a little more midnight oil, take a little more time and do his best, always a thorough job, in all his work.

DOUGLAS PHELPS ROOME
was active in the Athletic Association, wrestling, secretary of class (’39-40), Fratech Staff, and co-editor of yearbook back in Newark Tech. He has held office on the Board of Managers and as financial and recording secretary of the Newark Technical School Fraternity. Doug is a student member of the American Society of Mechanical Engineers, and has done some work on the NUCLEUS. He has been designing machinery for the Evarts G. Loomis Co. while attending evening school. Doug is serious minded, industrious and tries to lead a life balanced religiously, mentally, physically, and socially. In spite of an occasional corny story, he gets along well with everybody.
FREDERICK A. RUSSELL
B.S. in Electrical Engineering
E.E., M.S.
Instructor

JAMES C. FEET, E.E.
In Charge of Department

PAUL C. SHEDD
B.S., M.S. in Electrical Engineering
Associate Professor

FRANK E. MCKONE
B.S. in Electrical Engineering
M.S. in Aeronautical Engineering
Assistant Professor

ALBERT A. NIMS
B.S. in Electrical Engineering, E.E.
Professor

SOLOMON FISHMAN
B.S. in Electrical Engineering
Assistant Professor

WILLIAM JORDAN, 3RD
B.S., in Electrical Engineering, M.S.
Assistant Professor

CLARENCE H. STEPHANS
B.S. in Electrical Engineering
Assistant Professor

FREDERICK A. RUSSELL
B.S. in Electrical Engineering
E.E., M.S.
Instructor
ALLAN A. ALEROVITS
one of Who's Who in American Colleges and Universities, served as our senior class president as well as treasurer of the Athletic Association. During his stay at school he was a member of the A. I. E. E., the S. A. M., and the Phi Sigma Omega Fraternity. He was a good student, but still found time for intramural sports and extracurricular activities. During the junior year, AI joined the Signal Corps Electronics Training Group and hopes to be assigned to Radar work. After the war his ambitions lie in the field of communications and transmission.

WALTER JOSEPH COARI
was a real pal and his presence was enjoyed by all. He liked sports with basketball as his favorite, but he also was fond of fishing, dancing and listening to music. The reorganization of Phi Sigma Omega was one of his contributions to N. C. E. and he served as Treasurer to this fraternity during his senior year. Like most of the electricals he is a member of the A. I. E. E. and also a reserve member in the U. S. Army Signal Corps.

ALBERT F. BICKHARDT
was a member of the Alpha Mu chapter of the Sigma Pi fraternity and the A. I. E. E. He was enlisted in the U. S. Army Signal Corps Reserve, Electronics Training Group, in his junior year. The little leisure time he had was spent on his hobbies of photography, electrical gadgets, and stamp collecting. His interest in running brought him out for the track team early in the spring. He was a conscientious student with a definite flare for electronics, which will probably take him far into the field of electronic tube circuits for his life's work.

FRANK ALBERT COMERCI
joined us in the junior year after being graduated from the Newark Technical School. He was a member of the Newark Technical School Fraternity and also Phi Sigma Omega Fraternity. At night he saw three years service as class secretary. If one were to look for him they would almost always find him working in the electrical laboratory stock room where he would be putting together an amplifier, oscillator, or some related apparatus. Tennis, fishing, and football were his favorites outdoors. Frank chose the U. S. Signal Corps as the branch of the service in which to serve.

DAVID COHEN
was probably the laziest electrical that ever entered the portals of N. C. E., and yet he managed to keep well ahead of some of his fellow “electron chasers” scholastically. He was a member of Phi Delta Mu Fraternity, the A. I. E. E., made Honors Option in his sophomore year, served on the rescue squad of the college air-raid service, and was active in intramural and inter-fraternity sports. Dave was one of those camera bugs, but his greatest love was for mathematics. He enlisted in the Electronics Training Group of the Signal Corps Reserve.

JOHN J. CROSS
was a regular fellow and his presence was enjoyed. He was active both socially and athletically as evidenced by his participation in baseball and basketball, and also by service on the Freshman Dance Committee and Visitor's Day Committee. Jack was vice president of AKPi and a member of the A. I. E. E., which is the professional society open to the electricals. He enjoys reading and playing ping-pong. Jack climaxed his senior year by being elected to Who's Who in American Colleges and Universities.
RICHARD W. DAVIS, JR.

known to everyone as Dick, was one of the most popular men in college. He was active in many fields, having been on the track team, as contestant and manager, member of the student council, glee club, and A. I. E. E. Dick was also one of the few cheerleaders the college had. In his sophomore year he was a demonstrator in the Electrical Laboratory for the Visitor's Day Program. Dick's popularity and ability helped him to hold the offices of chaplain, vice-president, and then president of the Alpha Kappa Pi Fraternity. In his junior year Dick received a commission in the U. S. N. R. Such versatility surely warrants his being one of Who's Who in American Colleges and Universities.

WILLIAM S. GUTTENBERG

was the associate editor of the 1944 Nucleus. To him the class of '44 is deeply indebted. "Bill" was quite active during his stay at N. C. E.; he was on the staff of the Technician, was a member of the A. I. E. E., and served on a host of dance and class committees. Whenever an instructor got stuck he inevitably called on “Mr. Guttenberg” for assistance. His reputation was well earned for Bill worked hard and worked well and was on the Honors Option. Bill's interests seem to lie in the field of communications, but for the present the armed forces hold most of his attention. Bill was also served as chairman of the senior ball committee.

MELVIN H. FRIEDMAN

was the problem child of the electrical section, and was known primarily for his extremely short hair-cuts and his sarcastic humor. Mel was a member of the A. I. E. E., Phi Delta Mu, served as secretary for his fraternity, and was active in inter-fraternity sports. If you want to hear the famous Friedman horse-laugh, ask him why Professor S. F. calls him the “noisy genius”. Incidentally, Mel was the first electrical to enlist in the Electronics Training Group of the U. S. Signal Corps.

WILLIAM W. HERBERLING, JR.

was quite active during his stay at college; he was a member of the A. I. E. E., the chess and checker club of which he was vice-president, the wrestling team and the basketball teams. Despite his wealth of extracurricular activities, Bill worked most conscientiously on his studies and turned in quite a bit of fine work. His leisure time was spent trying something new, for he has taken a crack at most of the common hobbies. Bill has not decided exactly what branch of the armed service he would like to enter into, although he is rather partial to the army.

RAYMOND D. GARSIDE

was always one of those fellows who got along well with everyone, especially the "students" from Westinghouse. During lunch period, Ray could usually be found in the Electrical Laboratory playing bridge or helping the co-eds with their electrical problems. Although Ray lives in a town close to Fort Monmouth, he enlisted in the Signal Corps Electronics Training Group. During his freshman and sophomore years he was an active member of the Glee Club. Ray was on the Freshman Dance Committee and was a member of the A. I. E. E. Everyone who has known him any length of time can testify to his great interest in railroads and his amazing ability for telling jokes.

S. HARVEY JANOWITZ

who hails from Englewood, N. J., was known for his participation in varsity basketball and in the chess and checker club of which he was one of the outstanding players. Harvey was also known for his ability in mathematics, which he applied in his study of Electrical Engineering. But, as it came to all members of the Naval Reserve, Harvey was called to active duty at the end of his junior year and sent to Cornell University to continue his studies.
RAYMOND LAWRENCE JOHNSON
claimed to be the only student who was able
to do Networks problems on the morning ex-
press from Union Beach. He was among those
called to active service by the Navy V-7 pro-
gram and sent to Cornell University for fur-
ther training. During his junior year Ray was
section representative of the student chapter
of the American Institute of Electrical Engi-
neers. Other activities of this South Jersey
jitterbug included wrestling and intramural
basketball.

IRWIN KIRSTEIN
was that hard-luck electrical who was always
going in hot water. He was a member of
Phi Delta Mu fraternity, and president of the
chess club. Beneath his happy-go-lucky exte-
rior there was a keen and ambitious mind, for
Irv had probably taken more outside courses
than any other man in school. Irv covered
himself with glory in the latter part of his
junior year by getting himself accepted into
the Navy V-5 flying program. We will always
remember his numerous escapades, especially
the time he brought two girls to a house party,
and then went home alone.

ROBERT E. KASTNER
hails from Belleville, N. J., and was one of the
best athletes at the college. His athletic en-
deavors included baseball, football, and basket-
ball, being a member of the varsity team in
his junior year. Aside from his athletic ac-
tivities, he was a member of the college air-
raid service and took part in Visitors Day
Programs. Bob was an electrical, and having
enlisted in the Naval Reserve, was called from
school at the end of his junior year to be sent
to Cornell University to continue his studies
in electrical engineering.

LEONARD M. KRUGMAN
was a brawny electrical better known to his
intimates as “Shoulders”. “Len” was the
treasurer of Phi Delta Mu Fraternity, a mem-
ber of the A. I. E. E., made Honors Option in
his sophomore year and has been an active
participant in inter-fraternity sports. In spite
of the fact that he earned his tuition, Lennie
still found the time to maintain a high schol-
astic average, and to attend all of his class and
fraternity social affairs. Lennie enlisted in the
Electronics Training Group of the Signal Corps
Reserve early in his junior year.

AARON KIHN
was one of those commuters from Passaic. He
was known among his classmates as a quiet
fellow who ably combined his school work with
a part time job. Aside from membership in
the A. I. E. E., Aaron was active on the Air
Raid Service, on the Visitor’s Day Program,
and as an assistant instructor in the ESMWT
drawing course. He plans to go into industry
and work in the communications end of his
profession. Aaron indicated that his aversions
were shaving and 9 o’clock classes.

EDWARD FRANK KUPS
was one of those fellows who could be de-
pended upon any time. The best circuit dia-
grams and curves were, “Drawn by E. K.”. He
was a member of the A. I. E. E. from the time
he was a sophomore and represented his sec-
tion on various committees. Ed was always
rather quiet, preferring to let the quality of
his work speak for him. As yet he has not
picked the branch of the service into which
he would like to enter, but always a conscien-
tious worker Ed should go far in whatever
career he does choose.
ROBERT L. LAYBURN
came to N. C. E. from that hamlet of Iselin. Bob was an Honors Option student and was very active in college affairs, having been chairman of the publicity staff of the Junior Prom, treasurer of the A. I. E. E. and on the student council. He was also the secretary of Alpha Kappa Pi and achieved the honor of being elected into Tau Beta Pi of which he was made vice-president. Bob was always known for his ability of attacking and solving difficult problems, no matter where they occurred. Having enlisted in the Naval Reserve, Bob was called by the Navy after completing his junior year to finish his education at Cornell University.

BERNARD LITWACK
was that rotund electrical you always saw making blue-prints up in the electrical lab during lunch hour. He has served as secretary and vice-president of Phi Delta Mu Fraternity, section representative of the A. I. E. E., in the college air-raid service, has been active in inter-fraternity sports and did his best to make the yearbook a success. Bernie’s outstanding traits are his meticulous attention to details and his knack for writing reports. His love for his chosen profession should take him far, but for the duration Bernie has enlisted in the Electronics Training Group of the Signal Corps.

GEORGE E. LEAVITT, 3RD
came to us from Cranford, via M. I. T., and what was M. I. T’s loss has proved to be our gain, for George is recognized as one of our foremost electrical geniuses. In recognition of his abilities, he was admitted to the Tau Beta Pi Association while still a junior and has consistently been in the forefront for both Honors Option credit and in the matter of scholastic achievement. As a member of Sigma Pi Fraternity, George has worked diligently and earnestly, having served in two offices, first as secretary and later as a treasurer. George has also been active in college affairs as a member of the college air-raid service and the yearbook staff.

ROBERT I. MOELLER
or as he was commonly called “The Mole”, was a resident of Arlington. He was the second of the two senior electricals that were called into the service as members of the E. R. C. Bob was one of the ushers at the 1941 Visitors Day Program and was a section leader in the college air raid service. When in his sophomore year, Bob joined Sigma Pi Fraternity wherein he was very active socially, serving as a member of the social committee. Bob was an ardent equestrian and in addition enjoyed hunting and square dancing, but he will always be remembered for his extreme passion for female red-heads.

ARTHUR L. LEWIS
as a member of the E. R. C., was called into service at the start of his senior year. While at school he participated in various activities, serving in the capacity of usher on Visitors Day, 1941, and also as a member of the college air raid service (first-aid squad). As a member of Sigma Pi Fraternity Art showed exceptional ability as house committee chairman. He participated in inter-fraternity sports activities, and was a a member of the Rifle Club. His first love, however, was square dancing, at which he excelled, and as a result of which he was often dubbed “Hayseed Lewis”.

ALBERT OTT
is another Sigma Pi man, and of no small note. As a junior he served the fraternity as Herald and in his senior year he held the all important post of Sage, or president. His hard work and wise judgment carried the fraternity through one of its most crucial times. Four years of conscientious study in electrical engineering earned for him the coveted honor of an election to Tau Beta Pi, to Who’s Who in American Colleges and Universities, and membership in the school’s Honors Option group. Al’s first love is aeronautics, and he plans on joining the air corps after graduating. He served as a member of the first aid squad and took part in inter-fraternity sports in his spare time.
JOSEPH JOHN PADALINO

one of East Orange’s foremost sons, has established a record of which his home town may well feel proud. Scholastically Joe has always shown outstanding ability. He was elected to the Tau Beta Association in his junior year and became its corresponding secretary. In June of 1943, he was accorded the distinct honor of being elected president. He was treasurer of the A. I. E. E., member of the yearbook committee, Junior Prom and Senior-Soph dance committees, was on the Visitor’s Day Program, and was a member of the college air-raid precaution squad. Since he is in the Signal Corps Reserve, Joe will enter the service upon graduation. Climaxing this splendid record was his election to Who’s Who in American Colleges and Universities.

ALBERT M. VAN BLARCOM

the quiet, modest type, left us just before the start of his senior year. He entered the Army Air Corps as an aviation cadet (meteorology). While at school he made an enviable record for himself, being elected to the coveted Tau Beta Pi Association while still in his junior year; he also received an Honors Option award. As an electrical, Van was a member of the A. I. E. E. Aptness in all types of intramural sports was another of the many talents he possessed. Though he claimed that Staff Control was his pet aversion, Van will always be remembered as a student who took pride in doing all of his work well.

ROBERT H. ROSE, 2ND

came to N. C. E. from Chatham. Bob has always been known for his interest in electricity, especially in the radio field. This was shown by his being a member of the I. R. E., president of the A. I. E. E. and president of the Radio Club. During lunch period, Bob could always be found in the radio room talking about radio or practicing code. Bob was an Honors Option student and achieved the honor of being elected into Tau Beta Pi in his senior year.

RUDOLPH ZIRM

Belleville’s contribution to N. C. E., is a quiet, well-mannered fellow—at least he is when in college. He is a student member of the American Institute of Electrical Engineers. Radio is a prime interest in Rudy’s life as evidenced by his activity in the War Emergency Radio Service in Belleville and his interest in the N. C. E. Radio Club. Good music—and by this we mean classics—represents another phase of Sir Zirm’s existence. Rudy plans to dare the draft board and enter industry, probably in the communications field. Good luck, kid!

ROBERT T. SEAY, JR.

was among the students who enlisted in the Naval Reserve V-7. At the completion of his junior year, he was called by the Navy to finish his course at Cornell University. While at N. C. E., Bob was quite active in social affairs having been on the Soph Hop and the Junior Prom committees. Bob was also on the First Aid Squad and was a member of the American Institute of Electrical Engineers. Everyone will remember Bob’s deep voice and his amusing sense of humor.

JOSEPH G. SCUDIERY

is a graduate of Newark Technical School and joined the rest of us at the beginning of our junior year. He was one of the first of us (Electricals) to enlist in the U. S. Signal Corps. A typical radio fan, he also enjoyed such sports as swimming, football and golf. As with all electricals, his membership and participation in the A. I. E. E. accounted for a part of his time. Joe was easy to get along with and was very conscientious in his studies.
WILLIAM G. WEEKS.

was a class member who had ventured into the state of matrimony and had a son. Although Bill was kept busy by attending college during the day and working at Crucible Steel at night, he still found time to belong to the A. I. E. E. and the S. A. M. Bill was also interested in sports, having gone out for track. He enlisted in the Electronics Training Group of the Signal Corps and was called to active duty at the end of the first semester of the senior year. We were all sorry that he was not given a chance to get his degree, but we know that he will succeed in whatever he does.

BURTIS E. LAWTON

is a member of the American Institute of Electrical Engineers and the Institute of Radio Engineers. He spent about a year in day school, where he was active in the radio club, before he went to work for the Westinghouse Electric & Mfg. Co., and changed over to evening school. He has an amateur radio license and is also interested in sports. Burt is a rather quiet, alert, good-natured, and genial fellow.

WALTER LAZAR

is a member of the American Institute of Electrical Engineers and the student chapter of the Society of Mechanical Engineers. He comes from Boston and has spent about a year at M. I. T. Working during the day at the Pollack Mfg. Co. and attending evening school has left little time for his hobbies of radio and sports. Walt is a keen chap, who would do anything for anybody, and whom we have never found to be actually angry.
PETER ADAMS

was one of the more active members of the class. Pete was a member of the Phi Sigma Omega Fraternity and showed his leadership qualities by having been elected secretary-treasurer of the Student Council, treasurer of the Athletic Association, and treasurer of the Phi Sigma Omega Fraternity. An all-around athlete, he played varsity basketball for N. C. E. and served as co-captain of the team. Pete was a member of the A. C. S. and numerous class committees. He was one of the few recipients of the coveted Activity Award.

PHILIP RICHARD ANDERER

was probably the quietest and most modest fellow that ever came to N. C. E. His activity showed him to be a man of interest as he served the Chess Club and Orchestra, and for most of his college days, the A. C. S. Phil, a resident of East Orange, has certain characteristics which other men envy. He is soft spoken, doesn’t pry into other’s business, and above all he is a “right guy”.

FREDERIC BOLLENBACH

studied chemical engineering while he was at college. Through diligence in his studies, he attained the distinction of membership in the school’s Honors Option program. In his freshman year he became a member of Sigma Pi Fraternity, and was elected as its treasurer in his junior year. His activities included intramural and inter-fraternity sports. His hobby is music, his trumpet having provided many pleasant interludes after study hours in the fraternity house. As a member of the Naval Reserve he was sent to Cornell at the close of his junior year, there to finish his studies.

LADISLAUS FRUZYNSKI

was known by his favorite expression, “Are you worried?” Although small in stature, “Fuzzy” made up for it by his brazen attitude toward the world. His versatility is shown by the fact that he was a member of Phi Sigma Omega Fraternity, American Chemical Society and numerous social committees. Although Fuzzy left with the U. S. Army Enlisted Reserves in July he will always be remembered by those who remained behind.

HERBERT A. GINSBERG

popularly known as Herbie, was one of the easiest persons in the class to get along with. Although he worked two or three nights each week in the college he found time to serve the class as business manager of the yearbook. As a senior he was elected president of the American Chemical Society and to Who’s Who in American Colleges and Universities. It was under his excellent guidance that the A. C. S. gained the reputation among the entire student body of having the finest meetings of all professional societies at N. C. E. He was a member of the Student Council and participated in all intramural events.

HAROLD GREENSTEIN

a member of the A. C. S., was one of the quiet boys of the class until he reached his Junior year when he began to engage in extracurricular activities such as intramural baseball. Besides being a good student who made Honors Option, Hal found time to serve on the yearbook and Ping-pong Club. His leisure time was spent enjoying life by playing the piano and reading. He had only one aversion in life, a stuck-up female.
JEROME J. HANDMAN

was one of the boys who made life at N. C. E. more pleasant for the rest of his classmates with his humorous antics. He was a member of Phi Delta Mu Fraternity and of the American Chemical Society. He participated in intramural softball, basketball and football events. He could always be found around the sacred precincts of Phi Delta Mu Fraternity house in his free hours playing ping-pong. At the end of his junior year Jerry, a member of the Enlisted Army Reserve Corps, reported for active duty in the U. S. Army.

CHARLES J. LEPORE

possesses extraordinary vocal powers, and between classes Charlie can be heard crooning popular songs. He is a top student and his cheerful nature and ready sense of humor will help to make him a successful engineer. Charlie was very active in extracurricular activities. He was elected vice-president of the A. C. S., served as co-chairman of the Junior Spring Dance, and was a member of all other class dance committees. In fraternity circles he is recognized as a member of Phi Sigma Omega. He played basketball and softball in the intramural competition, and spent most of his spare time roller skating.

GERALD J. LILOIA

has what one might call a penetrating personality, for he is one fellow that a person likes to remember. His broad smile and jovial attitude, at all times, hides his amazing talents in matters educational, but his Honors Option rating has suffered slightly of recent due to his all-out entrance into extracurricular activities. It all started when in his Junior year this Nutley lad became Grand Master of Phi Sigma Omega. “Jerry” was then elected vice-president of the Senior Class, and secretary-treasurer of the Student Council. Among other things he has also loyally served the A. C. S., played intramural sports, and ably assisted the literary staff of this Nucleus. Is there any wonder that he is a member of Who’s Who in American Colleges and Universities?

HENRY W. MOCK

never said much but always went about his work quietly and efficiently. Hank is interested in all sports especially baseball. He participated in intramural baseball and basketball. In 1943 he was elected a member of the Phi Sigma Omega Fraternity and became its representative in the Student Council. He was a member of the A. C. S. and as chairman of the refreshment committee his ideas helped to make the meetings of this organization a success. He was rewarded for his fine work by being elected treasurer of the society.

HENRY ERNEST OBERMANN

or just plain Ernie, was one of the few quiet fellows in the Chemical Section. He was a modest jovial fellow who realized that there was a time and place for all emotional outbursts. He was a very active member of the A. C. S. and also served on the ticket committee of the Junior Prom. When not following his pet aversion, commuting (he lives in Leonia), Ernie attempted very successfully to lobby for his hobbies, photography and gardening. Introduction to this fellow will immediately show why he made Honors Option.

CLYDE H. MacFARLANE

who came to N. C. E. from his home town of Irvington, was called into service at the end of his third year, as a member of the Naval Reserve V-7. During his freshman year, Clyde, or as he was more frequently called “Mac”, joined Sigma Pi Fraternity. In 1941, he was appointed to the I. F. C. as the Sigma Pi representative. In the early part of 1943, he attained the presidency of the council, and served in that capacity very capably up to the time of his leaving school. He has always been active socially and participated in nearly all the major interfraternity sports contests. Mac was also quite an artist when it came to beating the drums, having played in several dance bands.
THOMAS W. OWENS

was one of the many classmates, as a member of the Enlisted Army Reserve Corps, who reported for active duty in the U. S. Army at the end of his Junior year. During his stay at N. C. E. he was elected treasurer of the A. C. S. and was a member of the Ring and Pin Committee, yearbook staff and Red Cross Drive Committee. In 1943 he was elected a member of the Phi Sigma Omega Fraternity. He participated in all intramural sports events and was noted for his bowling ability.

ARTHUR B. SHESSER

was very active in extracurricular activities. He was very much interested in intramural sports, especially basketball. He could always be counted upon to officiate at intramural events. Art was a member of the American Chemical Society, Chess Club and Chess team, Pin and Ring committee, and Rescue Squad in the college air raid service. He always seemed to manage to attend gatherings or social affairs held at the college. Most of his leisure time is spent dancing, playing ball or at the movies.

RAYMOND C. PIERREHUMBERT

one of the quiet fellows of the class, will always be remembered for his corny jokes. In college Ray was a member of the American Chemical Society and also gained the distinction of being selected for Honors Option. In his leisure time Ray plays the piano and mandolin. Although he likes music he thinks it is being carried to its grave by jitterbugs and zootsuiters.

JOSEPH L. TARANTA

was one of the most active members of the Senior class. His extracurricular activities included his membership in the American Chemical Society, secretary of the Phi Sigma Omega Fraternity, and president of the Athletic Association. He was also very active in all sports activities, being a member of the basketball team for two years, freshman-sophomore basketball and football teams and all intramural events. As a member of the Student Council he served faithfully on numerous committees. Joe was one of the few members of N. C. E. who received the Activity Award and the honor of being elected to Who’s Who in American Colleges and Universities.

RUFO SANCHEZ, JR.

was an outstanding member of the class. He achieved the unusual honor of being elected president of his class for three successive years. Rufo’s versatility is shown by his participation in all sports and social activities. He was a member of the Student Council, Phi Sigma Omega, basketball and track teams and served on numerous committees throughout his stay at N. C. E. Previous to his departure into the Navy, Rufo was rewarded for his hard work by receiving his varsity letter, N. C. E. Scroll, class numerals and the coveted Student Activity Key.

MELVIN WOLKSTEIN

is a hard guy to write about. He was probably one of the shyest engineers at N. C. E., and yet he managed to bring a new and pretty girl to every social affair he attended. Mel had served as treasurer and vice-president of Phi Delta Mu Fraternity, and was a member of the A. C. S. He had been active in interfraternity sports, and paradoxically was a rabid chess fiend. Outside of chemistry, Mel’s great love was for the wide open spaces, which probably accounted for his enlisting in the Navy V-7 program. What’s his pet peeve? Why he hasn’t any!
JOHN H. VELLEKAMP

is a member of the Alpha Kappa Pi Fraternity and represented this organization at all meetings of the Student Council. John served the class notably as chairman of the Junior Prom and as chairman of the Publicity Committee. He was very active in sports having participated in intramural baseball and basketball and two Sophomore-Freshman football games. As a sophomore, John became a member of the American Chemical Society and was elected its secretary in his senior year. His hobbies are reading and music.

EDGARDO G. VASCONI

was perhaps best known by the chemicals as a fellow who wished to work fast but not too long. He was a rapid worker and usually finished ahead of the others in most of the laboratory work. Among his athletic activities at the College were intramural baseball, football and basketball. Ed was a member of the Phi Sigma Omega Fraternity and served diligently as secretary of the Athletic Association, secretary of the A. C. S. and as a member of the Inter-fraternity Council. He spends his spare time bowling, playing ping-pong, and swimming.

CHARLES SUKALO

is one of the few members of the class who is never seen around the campus. His time at N. C. E. was largely occupied by study and working in industry. Charles is one of the members of our class who came to us from night school. In his spare time (if he has any) Charlie goes dancing. We wish him lots of luck and we know that he will be successful in the business world.

THEODORE RICHARD LEMANSKI

joined the day school in his junior year after spending many years in the night college. In asking Ted what he did with his leisure time he would immediately ask, “What leisure time?” and rightly so because he worked all night and attended school all day which gave him no free time. However, when he did find any he traveled from his Belleville home to hunt, fish, and swim. He was a veteran member of the A. C. S. and a follower of photography and radio.

ROBERT THOMAS COOKE

is an evening student who does general chemical testing for the Public Service Corporation during the day. Besides Chemistry, he is interested in music; in fact, he is a very good pianist. He used to be good at fencing, but school time has limited that activity. “Cooky” is rather quiet, but a pleasant, bright, cooperative, and very likeable fellow.

JOSEPH A. STEPHAN

has been a member of the American Chemical Society for the past three years. An evening student, he serves during the day as refinery supervisor for the Lever Brothers Company plant which makes Spry, among other things. Joe is married, likes to build model airplanes, and play golf in his spare time. He is a very pleasing, regular fellow with a wonderful personality.
HAROLD N. CUMMINGS, A.B.
B.S. in Civil Engineering
In Charge of Department

JAMES MELVIN ROBBINS, B.S.
M.S. in Civil Engineering
Associate Professor

CHARLES O. ROTH, JR.
Assistant Professor, C.E.
ROBERT LAWRENCE BRUNTON
came to N. C. E. from Jersey City and was actively engaged in the social life of the college. Bob was a member of several committees, such as the Junior Prom and the Junior Smoker. In his professional activities he was a member of the student chapter of the A. S. C. E. during his sophomore and junior years; its corresponding secretary in his junior year. His participation in sports was confined to track, intramural basketball, and softball. As a member of the Army E. R. C., he was called to active duty on June 22, 1943.

HOWARD S. HADIGIAN
had the honor of being elected a member of the N. J. Gamma Chapter of Tau Beta Pi, and because of his outstanding ability, he became its vice-president in his senior year. Howard was also a member of the Honors Option group. In the student chapter of the A. S. C. E. he held the office of vice-president. He became a member of the Student Council and was an active participant on the staff of the Nucleus. In sports he was active in intramural softball.

HERBERT J. CONNINGTON
was one of the more quiet members of the Civil Engineering Department. Everyone will remember his ability in helping to keep the discussions of Staff Control from becoming dull by expressing his ideas on racial prejudice. Herbert, as an active member of the student chapter of the A. S. C. E., had the honor of holding the office of secretary during his sophomore year. Outside of college work his pet diversion was photography.

DANIEL STANTON HAMMOND
followed the tracks of Civil Engineering. It goes without saying that Dan was a member of the American Society of Civil Engineers. Dan liked to work—why else would he have added such activities as member of the college air-raid service or membership on the Junior Class Smoker Committee to his normal scholastic schedule? Two of “Ham’s” prime interests are sailboating and flying, while his pet aversion is a course grabber. What about the Armed Forces? It’s the Marine Corps for Stan.

WAYNE ALFRED FAULKNER
was among those students who ranked high scholastically, and was a member of the Honors Option group. In his sophomore and junior years he was a member of the A. S. C. E. Wayne pursued athletic activities and was outstanding in intramural softball. In answer to his country’s call he enlisted in the U. S. N. R.-V-7 in his junior year, and was called to active duty on July 1, 1943.

JOHN MATTHEW KAELBERER
was active in social affairs at college having been on the staff of the following committees: Soph Hop, Junior Smoker, and the Junior Prom. A member of the track team in his freshman year, John became its captain in his junior year. He was active in the student chapter of the A. S. C. E. in which he held the office of treasurer. He was a member of Phi Sigma Omega Fraternity. Having enlisted in the Army E. R. C., John was called to active duty on June 22, 1943.
NORBERT KALISH

that belligerent Civil from Linden was a walking advertisement for Wheaties. He was an active member of Phi Delta Mu fraternity and had served on the freshman dance committee and the rescue squad of the college air-raid service. Norm was also on the IFC, had served as chairman of the programs committee of the A. S. C. E., and had been active in all the school sport activities. Ever since Norm joined the Marine Corps Reserve, he had been crippling his fraternity brothers while practicing for the day he would meet the foe. So with a sigh of both relief and regret we sent our choice for the man most likely to win the DSC on his way to help MacArthur win the war.

HARRY F. LOESER

was a severely felt loss to the Civils whose ranks were already depleted to a handful when he was called to active service. Harry took part in many sports including tennis, track, and intramural basketball. He was elected to the presidency of the N. C. E. student chapter of the American Society of Civil Engineers in 1943. His desire for the open spaces made Harry feel perfectly at home in the middle of nowhere with a transit and a tape.

ROBERT PLANER

was known to all of us by his bright red face, broad smile and cheery “hello”. Bob was the president of the American Society of Civil Engineers’ N. C. E. student branch and vice-president of his fraternity, Phi Sigma Omega, in addition to being one of Who’s Who in American Colleges and Universities. During his senior year Bob served as class treasurer. The remainder of his time was spent playing football on the rock pile between the administration and laboratory buildings. We almost lost “Brother Bob” to Navy last June. We’re glad we didn’t because Bob is the kind of fellow you like to have around.

ROBERT A. REIDY

was one of the fellows who spent a considerable part of their time at Branch Brook Park toting transits around. He was also a member of the American Society of Civil Engineers. Bob served as freshman manager of the basketball team and also as a fire watcher during the war emergency program. Music was of interest to him and he played in the school orchestra. Like many others of his class he enlisted in the Navy through the V-7 plan and was obliged to leave at the end of his junior year.
Undergraduates

JUNIOR CLASS

The present Junior Class started its eventful career at the Newark College of Engineering in September 1941 with an enrollment exceeding two hundred. But, sad to say, at the time of this writing, this amount has dwindled to less than one-third of the original amount. There are three reasons for this: the Army, the Navy, and the Marines. The only class officer who was able to avoid the draft or the Enlisted Reserve Corps was the Secretary—for obvious reasons.

This class, together with the rest of N. C. E., continued to attend classes throughout the summer as the new accelerated program went into effect. The officers elected for this Junior year were as follows: president, Bill Hugenbruch; vice president, Pat Travisano; treasurer, Emil Spina; and secretary, Lone Windbuehl. We regret to announce, however, that the Navy claimed Bill, so Pat Travisano is now our President.

The class of '44 has really made a name for itself by such new ideas as calling the traditional Freshman Dance the “Bunny Hop”, and by changing the dull sound of Soph Hop to “Dansophobia”. There's no telling what will happen to the Junior Prom!

With such a record, the Class of '44 is bound to do its bit in making history at N. C. E.
SOPHOMORE CLASS

With a freshman membership of two hundred and fifty students, the class started the year by electing its officers. Don Wallace was chosen to be president; John Bachelder, vice president; Keith McCall, the treasurer; and Harriet Powell, secretary. All went smoothly for but a short while, for soon the class found itself without its newly elected officers, that is with the exception of the secretary, when the reserves were called to active duty by the armed forces. This necessitated their holding another election and the class exercised its democratic privilege by choosing Armand Cefelli, Henry Koehler, and Emanuel Vito to fill the offices of president, vice president, and treasurer, respectively.

While this group was in office, the ever-popular Freshmen Hop was held, and, while it did not fill the treasury’s coffers, it was a great social success. The crowning event of the winter session, however, was the Frosh-Soph football game. The class came out on the long end of a thirteen to six score.

The armed forces made a goodly haul from the class of ’45. This was all too evident when only eighty members returned for the simmering summer session. The Student Council decided that the class could keep its constitution and elect a new group of officers, leaving the February and July freshmen to form their own organizations. Once more the class prepared for the struggle of another election and when the fireworks were over and the smoke had cleared, the victors were Lou Klein, president; Paul Melzer, vice president; Marjorie Wood, treasurer, and Harriet Powell, by now a seasoned veteran, secretary.

This time only one officer, the president, left for the armed forces and he was replaced by Harold Tober. During the summer, Professor Hazell was unanimously elected to be class advisor. Plans were begun for a dance, but it was decided that this year it would be held in conjunction with the Senior Class.

After this gay fling the class settled back into its routine of study, eat, sleep, and study, with a minus tolerance on the study. To date, if you look about you, you find it in that very same state.

President, Lou Klein; Vice President, Paul Melzer; Treasurer, Marjorie Wood; Secretary, Harriet Powell
Tribute To The Associated Departments

Credit is due the departments in the school that prepare us for our professional subjects. Frequently this work is taken for granted. We feel that a tribute, long overdue, should be given to the men in these departments:

THE ENGLISH DEPARTMENT, for providing us with one of our most valuable assets—that of being able to express our thoughts.

THE HISTORY DEPARTMENT, for relating the progress man has made through the application of the sciences.

THE MATHEMATICS DEPARTMENT, for teaching us the use of the most important of all engineering tools.

THE PERSONNEL RELATIONS DEPARTMENT for introducing us to the human factor in engineering.

THE INDUSTRIAL ENGINEERING DEPARTMENT, for showing us that slide-rule work is only a part of engineering.

THE MECHANICS AND PHYSICS DEPARTMENTS, for showing us how to apply the fundamental principles of the laws of nature to the problems of engineering.
Because of the war many of the members of our various fraternal organizations are now in the armed forces of the United States. To them and to all the others of the College in the service of our country we offer tribute with the express hope that no matter where they may be they will never forget what they must surely have learned at the Newark College of Engineering—the meaning of true friendship.
The Tau Beta Pi Association was founded at Lehigh University in 1885 by Edward Higginson Williams, Jr. It is the purpose of the Society to mark in a fitting manner those who have conferred honor upon their Alma Mater by distinguished scholarship and exemplary character as undergraduates, or by their attainments as alumni.

Distinguished scholarship, although the primary requisite for admission, is not the sole criterion. After the scholarship requirements have been fulfilled, the selection is based on integrity, breadth of interest both inside and outside of engineering, adaptability, and unselfish activity.

The rating of a man on the degree of unselfish activity he manifests is intended to indicate that Tau Beta Pi believes that no man can become a worthy engineer without the welfare of his associates, his organizations, and his community at heart.

The New Jersey Gamma Chapter of Tau Beta Pi was established at N. C. E. on November 29, 1941 when 169 men were initiated. These men were members of the Trunnion Society which had been accepted into Tau Beta Pi.

During the past year there have been two initiations. The first of these was held December 12, 1942, at which time nine juniors, Class of '44, and three
men from the night school were initiated. Those men not in the picture on the preceding page are: night school—G. Boyle, A. Hawkins, and R. Phair; Day School Juniors—P. Poulos and A. van Blarcom. The other initiation took place on June 25, 1943. Eight members of the Class of ’44, six members of the Class of ’45, and two alumni were initiated. Most of the new members had to leave for the army or navy, and those not shown in the picture below are: Alumni—H. Bately and R. Herbst; Seniors—Norman Bragar, Robert Hanle, Joseph Hutchings, and Paul vom Ei-

gen; and Juniors — Edmund Cranch, Ransom Hammond, Robert Mersfelder, S. Lenox, N. Reisman, and H. Moreines.

The members of Tau Beta Pi have tutored some Freshman in mathematics and have volunteered for work at the Newark Defense Council. Since the chapter is still young, the present members have drawn up and adopted the chapter’s By-laws and have been assembling items necessary for the running of the chapter. The Gamma Chapter has also donated money for the purchase of books for the college library.


Back Row: Herman Snyder, Albert Ott, Robert Rose, Saul Barab.

JULY 1943
Phi Delta Mu Fraternity

Kappa Chapter of Phi Delta Mu has its roosting place at twenty seven Orleans Street where the members maintain the house and gather daily to relax and enjoy good fellowship.

The social activities of the fraternity are diversified and include parties at the chapter house, swims, and roller skating. In the summer of 1943, the brothers camped at Lake Hopatcong for five days of their week’s vacation.

The event of the year for the fraternity is the annual Spring Dinner dance, usually held during the first week of Spring. In addition, Phi Delta Mu actively supports the Inter-fraternity Council dance, also an annual affaire.

The fraternity participates in sports competition each year and sponsors the Phi Delta Mu Athletic Trophy, awarded to the fraternity winning the year’s competition.

The officers of the Phi Delta Mu Fraternity are:
President ......................... Leo Reisberg
Vice President ..................... Melvin Wolkstein
Treasurer ......................... Leonard Krugman
Recording Secretary ............... Milton Maxwell
Corresponding Secretary .......... Myron Bell
The officers of Delta Sigma Zeta Fraternity are:

President ................... Joseph Messina
Vice President ............... Ralph Campanella
Treasurer ..................... John Petitti
Secretary ..................... William Gulino
Recording Secretary .......... Joseph Agnello
Sergeant-at-Arms ............ Vincent De Marco

Delta Sigma Zeta Fraternity

Although handicapped by its lack of a fraternity house, "Delta Sig", as the fraternity is popularly known, has always maintained a closely knit organization which participates in all forms of activities in the college whether social, athletic, or academic. In accordance with its motto, "Ever Upward", the tendency has been for each succeeding group of active members to further the social standing of their fraternity. This has been the concern, not only of the group as a whole, but also of every brother since the fraternity's origin in 1930. Although consisting solely of an Alpha Chapter at present, its comparatively recent adoption of a sinking fund has brought Delta Sigma Zeta greater prosperity, and in due time expansion is inevitable.

As one of the four fraternities on the campus which has representation on the Inter-Fraternity Council, "Delta Sig", shares the responsibility of conducting inter-fraternity affairs.

Because of the war, many of the brothers of Delta Sigma Zeta Fraternity are now part of the armed forces of the United States. To them, as well as to all the others of the college who are in the service, Delta Sigma Zeta offers tribute with the express hope that no matter where they are, they may be safe, and realize that our thoughts are with them.
Incorporated in the fall of 1927, Beta Lodge celebrated its sixteenth anniversary this year at the Newark College of Engineering. As in the past P. S. O.'s Beta Chapter presented its scholastic award to the outstanding Freshmen. This year David Cohen won the coveted honor.

Outstanding as usual in all extra-curricular activities, fraternity brothers found places for themselves as members and officers in the Senior Class, Student Council, Inter-fraternity Council, professional societies, and varsity teams.

One of the outstanding features of the school year was the entrance of many of the brothers into the armed services. A banquet at the Kraft Homestead in East Orange and a boat ride up the Hudson River were held in their honor. Those leaving for the services were Rufo Sanchez, Jr., Peter Adams, Robert Whinery, John Yarak, Thomas Owens, Ladislaus Fruzynski, Steve Polansky, Edward Sedlmyr, John Kaelberer, and William Trautvetter.

With the inauguration of a social program in which all chapters of the metropolitan area were participants, the Grand Lodge of Phi Sigma Omega Fraternity may well be proud of its sixteenth year of distinct achievement.
Sigma Pi Fraternity

This national fraternity is the direct descendant of Beta Alpha Theta, the first fraternity to appear at the College. It aims to aid the engineering student in cultivating a knowledge of the social aspects of life as well as the technical ones.

Aside from the many parties held at the chapter house throughout the year, the fraternity has, for many years in the past, held an annual Orchid Ball. This dance, the first formal affair of the school year, was held on the traditional date of Thanksgiving Eve. As a result of the present emergency, however, the annual inter-fraternity dance has been substituted for this event. The inter-fraternity dance is sponsored by the Inter-Fraternity Council, and as such, is supported by all fraternities on the campus.

Sigma Pi takes part in all inter-fraternity activities, and also maintains a house at 311 High Street.

The current officers of the fraternity are:
Sage .................................. Albert Ott
1st Counselor .......................... Alfred Harter
2nd Counselor ......................... Richard Marsh

3rd Counselor ........................... George Leavitt
4th Counselor ........................... Harry Brown
Herald ................................. Robert Crosley
The current officers of the Alpha Chapter are:
President ........................................ Richard Davis
Vice President ................................. John Cross
Secretary ....................................... John Vellekamp
Treasurer ....................................... Frederic Wilson
Chaplain ....................................... Anthony Stanley
Sentinel ......................................... George Apfel
Historian ....................................... John Cross
House Manager ............................... Joseph Zyda

4 1/2, 14a kappa pe

Alpha Kappa Pi Fraternity made its initial bow almost twenty years ago, and was known at that time as the Phi Delta Zeta Fraternity. For five years it remained a local organization, but on March 23, 1921, a committee composed of members of the Alpha Kappa Pi Fraternity of Wagner College and Phi Delta Zeta decided to organize their own national fraternity. This move came as a direct result of a suggestion made by our fraternity advisor, Dr. Albert H. Wilson, who directed the plans of organization. Organizing a national fraternity from two comparatively small local fraternities was no little job, but these men had initiative and spirit, and successfully formed the foundation of a great organization. At present, there are thirty-six active chapters and nine alumni chapters extending into the middle west.

For the last ten years, the Alpha Chapter of Alpha Kappa Pi Fraternity has maintained a house at 38 James Street, but the reduction in the ranks of active members, as a result of the current emergency, has made it impossible to carry on in our old quarters. Our new quarters at 37 Washington Street, while smaller than our former quarters, still afford a pleasant place to relax and enjoy the same bull sessions as in more prosperous times.
Recently our professional societies have mutually agreed to function as one unit. Sharply reduced membership caused by the loss of so many of our students to the armed forces made it unfeasible for each society to carry on actively by itself.

Perhaps this change will have a revolutionary effect on future society organization, for the present set-up would seem to offer one of the best ways to acquaint the student with intricate interrelationship among the various branches of the engineering profession.
The Student Branch of the American Society of Mechanical Engineers, the largest professional society on our campus, is also one of the largest student branches of this organization in the country.

Three meetings were held during the Spring period. One of these meetings received national publicity, and the speaker, Captain T. E. Shaughnessy of the Army Ordnance Department, was recommended to other student branches of the A. S. M. E. Early in the fall term, the A. S. M. E. banded together with the other professional societies for the purpose of having joint meetings. This move was made necessary because of the depletion of the membership of the societies when the majority of their members were called up in the reserve corps.

The A. S. M. E. encourages the writing of technical papers for national competition and affords great advantages to those who invest their time in its activities.

American Society of Mechanical Engineers

The officers in the local branch are:

Chairman .............................. George Apfel
Vice Chairman ...................... Bernard M. Smith
Sec.-Treas. ......................... Sanford G. Levat

Page eighty-eight
The student affiliate chapter of the American Chemical Society was organized in 1940. Formerly the members were associated with the American Institute of Chemical Engineers. As usual, monthly meetings were held at which a guest speaker was invited to lecture on some phase of chemistry and chemical engineering. Through these talks the chapter hopes to acquaint its members with the broad field which they are about to enter.

All members of the chapter receive the publications of the society and are entitled to attend meetings of the parent society held in Newark and elsewhere.

OFFICERS

President ....................... Herbert Ginsberg
Vice President .................. Charles Lepore
Corresponding Secretary ..... Edgardo Vasconi

Recording Secretary .......... John Vellekamp
Treasurer ...................... Harold Greenstein
Faculty Advisor ............... Vernon T. Stewart
American Society of Civil Engineers

The Newark College of Engineering Student Chapter of the American Society of Civil Engineers, holds monthly meetings at the college and an annual outdoor meeting. The Chapter aims to enlarge the professional contacts of its members and to supplement their curriculum with current civil engineering topics. For these reasons, meetings of the Chapter are devoted largely to lectures by prominent members of the profession, often augmented with motion pictures and slides.

In addition to its regular meetings, the chapter sends representatives to the annual meetings of the A. S. C. E. where prominent engineers from all over the nation gather to discuss the latest developments in the profession.

Membership in the Chapter is open to any student in the Civil Engineering Department. The meetings enlarge the professional, civil, and social lives of the members.

OFFICERS

President ......................... Harry Loeser  
Vice President ............. William J. McCracken  
Corresponding Secretary ...... Robert Brunton  
Recording Secretary ........ Amos Frucht  
Treasurer ....................... John Kaelberer  
Advisor ......................... Mr. Daniel C. Frost
The student chapter of the A. I. E. E., organized in 1926, was a direct outgrowth of the Electrical Society of The Newark College of Engineering, which had made its appearance the year before.

Through its meetings, at which prominent engineers are invited to lecture on some phase of the profession, the chapter attempts to correlate the theory learned by the student with the current practice of industry.

Annually the local branch participates in a student convention which includes all the college branches of the A. I. E. E. in the metropolitan area. At this meeting a senior representing each school delivers a thesis or paper, and the winner receives a prize.
The current officers of the Student Council are:
President.................. Frederic Wilson
Vice President............. Stewart Paterson
Secretary-Treasurer........ Gerald Liloia

The Student Council

The Student Council is the governing body of the student organization in the College. It is a representative group consisting of students chosen by members of the recognized organizations in the school. Each club, class, fraternity, Varsity Team, and professional society is represented according to its relative importance.

The functions of the Student Council include all things pertaining directly to student activity except those matters dealing directly with administrative policy. The Council has charge of class organization, and must ratify all class constitutions before the class can become a member of the Student Organization. Violations of these constitutions are heard and judged by the Council. As a liaison body, the Student Council acts as a go-between for the administration of the College and the students. In this capacity, it must explain the policies of the administration to the students, as well as present the opinions of the Student Body to the Faculty. The Council also has charge of the programs at all convocations.
ACTIVITIES

It is gratifying to be able to say that Student Activities at N. C. E. were continued despite the many difficulties brought on by the war.

Although several clubs have been placed on the inactive list as a result of wartime restrictions and reduced membership, the majority are continuing to offer to the student body the benefit of participation in extracurricular activities.
The Chess and Checkers Club is a thriving organization of approximately fifty members, who like nothing better than to relax and work for a while by the simple expedient of moving wooden figures on a checkerboard in a not-so-simple game called chess.

Although the club was organized primarily for the enjoyment of its members, it also represents the College in inter-collegiate competition with such schools as West Point, Stevens Institute of Technology, Newark University, and Cooper Union. The club is proud of its record of having won more than fifty per cent of its matches, which is consistent with the athletic standard of the College.

To the members of the Varsity team, who engage in and win a sufficient number of matches, the highly coveted silver “N” is awarded.

OFFICERS

President ......................... William Heberling
Vice President .................... Arthur Shesser
Treasurer .......................... Franklin Howard
Secretary ......................... Jack Heberling
Since most students do not have the time to engage in many extracurricular activities, the staff of the Technician tries to publicize the social, athletic, and personal events in an effort to fraternize the student body and promote a feeling of comradship and school spirit. This is done through such articles as “Who’s Who at N. C. E.”, “Sports Comments”, “Fraternity News”, and “Torque of the Moment”. Because of the exigencies of the war, it has become necessary to change the form and printing of the paper, but it still performs its fundamental purpose. The staff feels that the eager acceptance of the Technician by the student body is ample reward for the time and effort they spend in preparing it for publication.
The basketball season of 1942-1943 was an eventful one at N. C. E., for it marked the first season that the Red Raiders were full members in the Northern New Jersey Conference. Previously, the team had no league affiliation.

A large group of hopefuls greeted Coach Fred Bauder at the first practice, but when noses were counted, it was found that three veterans had been lost to the team: Jim Ellor graduated, Bob Hoke and Al Noriega are in the Armed Services. However, quite a few other veterans remained in school, and by the time the season had begun, Coach Bauder had molded some of the hopefuls and veterans into a smooth-running unit.

The season opened with the Red Raiders traveling to the Rutgers Pharmacy court to engage the Druggists. The contest was a little one-sided, however, with the Raiders romping home to a 52-34 score. Teddy Marantz, sensational freshman, and dependable Pete Adams led the scoring.

On the following Saturday, the Red Raiders traveled to Brooklyn, where they met defeat at the hands of a strong St. Francis outfit. Balm to our wounds were Bob Whinery’s 19 points, half of which were scored when Whinery was doing acrobatics.

Since the following two games were Conference games, Coach Bauder had the boys at a high pitch, but Lady Luck refused to smile on our heroes and both games were lost by identical scores, 44-43. In the first game at Campbell Hall Gymnasium, Panzer out-lucked N. C. E. when a Panzer substitute dropped a foul in with 5 seconds to play to provide the margin of victory. Up-sala caught N. C. E. on an off-night, but still could only win by one point. Bob Whinery, Herb Levine, and Bill Hugenbruch played well for the losers, and Whinery led the scoring with 15 points.

The following game was with Newark University, and it was the Engineers’ misfortune to meet the Bombers on a night when they were practically unbeatable. The score was 63-51. Whinery, Levine, and Hugenbruch again stood out for the Raiders.

The Engineers hit their stride in the next game in which they defeated the Newark State Teachers College by the score of 52-31. Herb Levine and Otto Meerbott led the scoring with 17 and 12 points respectively.
The final game of the season found Panzer as N. C. E.'s opponent. The Raiders hoped to avenge the early-season defeat of 44-43 at the hands of Panzer, but the Panthers were hot that night and set the Raiders back on their heels by a score of 46-30. Pete Adams led the Raiders in a losing game with 8 points. The game marked the final for all the members of the Enlisted Reserve in the varsity.
April 10th witnessed the performance of a new and powerful track team headed by Captain John Kaelberer. Despite the loss of last year's veterans, the Red Raiders were capable of dishing out far more than their opponents could take. They won every meet by a substantial margin.

Our chief mainstays in the sprints and middle distances were John Kaelberer, Dan Hrtko, Joe Palmi, Ken Pike, and Bob Harris. Kaelberer won the 100, 220, and 440 yard runs in each of two track meets, to amass a score of thirty-two points for the season. Close behind was Dan Hrtko with a total of twenty-six points.

Obstacle racing was limited to the 120-yard high and the 220-yard low hurdles, both of which events were won with ease at every meet. Harris, Pike, and Hrtko were among the best hurdlers in the history of the school.

Due to “Government Demands” only one of last Fall’s cross-country runners was available to run the one- and two-mile distances. For this reason, the entire burden rested upon Milo Wolff, former Verona High champion and Phil Bernholz, the only returning cross-country runner.
Dan Hrtko and Ken Pike taking the Low Hurdles

John Kaelberer Breaking the Tape
Doug Meyers characteristically taking the high jump

**In the Field**

Of the eight men in the field events of the preceding year’s victorious team, only Doug Meyers returned to uphold the honor of N. C. E. Doug’s outstanding athletic ability was shown by the fact that he placed first in most of the high and broad jumps throughout the year. He was supported by Bob Harris and Ken Pike, both Freshmen who showed great promise for the succeeding years.

The discus and javelin throwers lacked skill, and it was due to brawn rather than adeptness that produced points in these events. John Karalis, Dan Hrtko, and Joe Palmi were the leading scorers. Other “muscle men” who put the shot were John Bavicchi and Bill Packett.

Dan Hrtko
The field events were always a big item in winning meets and N. C. E. was always "there" with plenty of power.

John Baviechi

J. Palmi hurling one
Fencing

Although the fencing team was hard hit by graduation, our men won two out of the four matches held with Newark State Teachers, Upsala College, and Drew University. The small squad which continued to uphold the athletic standard of N. C. E. was coached and captained by Louis Nucci. The other team members were William Wyrough, Robert Mersfelder, and Edward Campbell.

During the past six years N. C. E. has compiled a remarkable record of forty wins out of fifty-four matches against such “big rivals” as Fordham, Lafayette, Lehigh, Temple, Drew, Cooper Union, and others.

The motto of the fencing team, “These fellows don’t fence, they fight”, was taken from a remark made by a disgusted professional coach of a rival college. And fight they have ever since. They fence, too, as many of the defeated colleges can attest.

Bob Mersfelder

Louis Nucci
The Athletic Association is the supervising board of all sporting events, both intramural and inter-collegiate, conducted by the students of the Newark College of Engineering. The organization furnishes funds and equipment for the operation of the varsity and intramural teams through dues collected from its members, the student body. The A. A. is designed to maintain student clubs, the school paper, and to conduct and promote the student organizations.

Intramural basketball and baseball and inter-class games give all the students an opportunity to compete with others of equal calibre, thus promoting good sportsmanship and fair play among them. The social functions conducted by the organization are also intended to benefit the men of N. C. E. by giving them the opportunity to enjoy good fellowship.

The officers of the Athletic Association are elected by the student body. It is their responsibility to see that the objectives of the organization are carried out.
In these pages, we have presented the chronicle of our academic, social, and extracurricular life here at the Newark College of Engineering. In doing so, we hope that we have recalled to those who shared this life with us some amusing and interesting incidents; we also hope that these pages will afford moments of enjoyment in the future.

We now take our farewell, perhaps not quite as fully aware of what lies ahead as we should like to be, yet confident that the training we have received and the contacts we have made are the best for which we could hope.
Faculty

Allan R. Cullimore, President ............................... 158 Garfield Pl., South Orange, N. J.
Odd Albert, Assistant Professor ................................. Box 226, Belmar, N. J.
Edward G. Baker, Associate Professor (Dr.) .............................. 41 Yantacaw Pl., Nutley, N. J.
Frederick W. Bauder, Assistant Professor ................................. Great Hills Ter., Short Hills, N. J.
James A. Bradly, Associate Professor and Dean ...................... 122 Indian Run, P'way, Union
Francis J. Burns, Assistant Professor ................................. 363 Tremont Ave., East Orange, N. J.
Frank D. Carvin, Professor (Dr.) ................................. 25 Manor Hill Road, Summit, N. J.
Harold N. Cummings, Professor ................................. Brass Castle, Washington, N. J. (R. R. No. 1)
David E. Davis, Assistant Professor ................................. 44 Garfield Pl., Maplewood, N. J.
Solomon Fishman, Assistant Professor ................................. 45 Hudson Ave., Maplewood, N. J.
James H. Fithian, Professor ................................. 157 Halsted Street, East Orange
Paul Miller Giesy, Professor (Dr.) ................................. 181 Belleville Ave., Bloomfield, N. J.
Lillian M. Gilbreth, Professor (Dr.) ................................. 388 Essex Ave., Bloomfield, N. J.
Frank A. Grammer, Associate Professor ................................. 63 Cookman Ave., Ocean Grove, N. J.
William Hazell, Jr., Assistant Professor ................................. 742 Hillsdale Ave., Plainfield, N. J.
Paul O. Hoffman, Assistant Professor ................................. 362 South 21st Street, Irvington, N. J.
James H. Horst, Professor (Dr.) ................................. 71 West 12th Street, New York City
William Jordan, 3rd, Assistant Professor ................................. 1 Forest Drive, Bloomfield, N. J.
George C. Keeffe, Assistant Professor ................................. 302 Sixth Ave., Newark N. J.
Arthur S. Kohler, Assistant Professor ................................. 99 Maple Street, Rutherford, N. J.
Charles J. Kiernan, Assistant Professor ................................. 94 Ridgewood Ave., Newark, N. J.
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William S. LaLonde, Jr., Professor ................................. 22 Bailey Road, Maplewood, N. J.
Frank E. McKone, Assistant Professor ................................. 23 Lawrence Ave., West Orange, N. J.
Henry H. Metzenheim, Assistant Professor ................................. 55 Hollywood Ave., Hillside, N. J.
Paul E. Nielson, Assistant Professor ................................. 117 Elmhwood Road, Verona, N. J.
Albert A. Nims, Professor ................................. 120 Ashland Ave., Bloomfield, N. J.
James C. Pest, Professor ................................. 48 Amherst Street, East Orange, N. J.
James H. Pitman, Assistant Professor (Dr.) ................................. 65 Bremond St., Belleville, N. J.
Harry F. Ritterbusch, Assistant Professor ................................. 1510 Oakland Ave., Union, N. J.
James M. Robbins, Associate Professor ................................. 98 Cypress Street, Maplewood, N. J.
Paul C. Shedd, Associate Professor ................................. 8 Mitchell Place, Glen Ridge, N. J.
Leslie C. Spry, Assistant Professor ................................. 50 Taylor Street Newark, N. J.
Vernon T. Stewart, Professor ................................. 25 Trinity Place, Montclair N. J.
T. Smith Taylor, Associate Professor (Dr.) ................................. 45 Grover Lane, Caldwell, N. J.
Ira A. Tumbleson, Librarian ................................. 56 Morse Avenue, Bloomfield, N. J.
Robert W. Van Houten, Associate Professor and Dean ................................. 20 Norwood Terrace, Maplewood, N. J.
Robert L. Vannote ................................. Florham Park, N. J.
Harold E. Walter, Associate Professor ................................. 35 Shepard Ave., East Orange, N. J.
Robert Widdop, Professor ................................. 57 Meadowbrook Road, Short Hills, N. J.
Frederick C. Burt ................................. 44 Stockton Place, East Orange, N. J.
Ronald L. Faber ................................. 46 Erhardt Street, Union, N. J.
Francis W. Fiala ................................. 329 Autumn Avenue, Brooklyn, N. J.
Michael Frederick ................................. 215 Alexander Street, Newark, N. J.
Daniel C. Frost ................................. 195 Park Street, Montclair, N. J.
Carl Konove ................................. 391 Scotland Road, Orange, N. J.
Kenneth A. MacFadyen ................................. 33 Lake Drive West, Packanack Lake, N. J.
Pompey, Mainardi ................................. 89 Elizabeth Ave., Hawthorne, N. J.
Jerome L. Polaner ................................. 417 Clinton Place, Newark, N. J.
Edward W. Rice ................................. 88 Fairview Avenue, Verona, N. J.
Frederick A. Russell ................................. R. D., Rockaway, N. J.
Oliver J. Sizelove ................................. 12 Broadview Avenue, Maplewood, N. J.
Clarence H. Stephans ................................. 37 Overlook Terrace, Nutley, N. J.
Arthur H. Wendl ................................. 275 Broad Street, Bloomfield, N. J.
Thomas J. Tully ................................. 62 Elm Road, Caldwell, N. J.
Rossman I. Vail ................................. 37 Sommer Avenue, Maplewood, N. J.
Arthur S. Williams (Dr.) ................................. 172 Lincoln Avenue, Elizabeth, N. J.
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<th>Name</th>
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<td>Adams, Peter</td>
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<td>Alexovits, Allan</td>
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<td>Altman, Manfred</td>
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<td>Apfel, George</td>
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<td>171 Goldsmith Avenue, Newark</td>
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<td>Groholsz, Kenneth</td>
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<td>796 Ridge Street, Newark</td>
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