As an Engineer: I have a deep, abiding respect and faith in the ideals of my chosen profession; I believe that membership in it entails the most solemn obligations — obligations that I am eager and earnest to fulfill; I believe that, as a member of this profession, I have a vital and personal responsibility to act for the benefit of mankind, to render usable nature's vast material reservoirs and her latent energies.

As an Engineer: I believe that the duties and the responsibilities of the profession rest more heavily upon me because of the traditions, the heritage, and the accumulated experience passed down to me by members of the same profession in earlier generations, and I believe I should dedicate my efforts to the furtherance and development of these ideals and the dissemination of our philosophy and practice to younger men of the profession, that it may warrant a high place in the field of human endeavor.

As an Engineer: I believe, in common with all men, that I should strive for the common good, interest myself in the service of humanity, and render to my fellow man and to my community without thought of material recompense such service as will be for the greatest public good.

As an Engineer: I further believe that my profession requires in its very nature particular sensitivity to moral obligations and to the broadest human welfare and progress, that our world, with its material things and things of the mind and of the spirit may be a better place to live in.

All these things I do truly believe and to these principles I solemnly commit myself.
The Class
of
1953
Presents
As I sit down to write this message, it is the Sunday after the presidential election and the papers before me carry several editorials concerning that election. There is one which particularly caught my attention and which I have re-read several times. It is, “The Still, Small Voice”.

The writer of the editorial wrote of the inspiring final statements of both candidates when one spoke of “good and evil, truth and falsehood, conscience and compromise” and the other of the hope that if elected “our Lord will make me an instrument of His peace”. It was with those two messages ringing in their ears that the American people went to the polls to vote “according to the dictates of their conscience”.

The challenge to obey the dictates of your conscience is one which I hope each of you will accept. We, of the faculty and administration, have done our best to make you technically competent, aware of your duties as a citizen, and sensitive to the high ethical standards of the engineering profession.

Your future is in your hands. During it, you will face many challenges not only to your technical and scientific skill, but to your sense of right and wrong as well. It is my sincere hope and prayer for each of you that you will quietly listen to that “still, small voice” and be guided by it as you are faced with the difficult decisions of the future so that this world of ours will be a better place for your having been in it. Then it can be said that your life was a success in the truest and broadest meaning of the word.
So often we hear about "fundamentals" and "basic values". Practically all of us who are older are anxious when a young engineer begins his professional career, to give him something which will be helpful.

In every walk of life, in business and professional life, in financial circles, and in government, confidence is a necessary condition.

A government such as ours which does not have the confidence of a majority of its voters cannot stand. A bank cannot operate without the confidence of its depositors. The stock exchange could not operate without mutual confidence between buyer and seller. A doctor must have the confidence of his patients. And as it touches us, an engineer must have the confidence of his clients or employer. Practically and realistically, this is basic, this is fundamental.

Confidence is certainly based on honesty, sincerity, and integrity. Cleverness and intellectual dexterity, fast foot work, and ducking responsibility won't do the job. To be honest is hard. To be consistently straightforward is the best, perhaps the only way, to insure the professional confidence which is basically important. But honesty requires courage. Sometimes it requires a tremendous amount of courage, more than many individuals possess. So I would give you the Thought. Confidence is bred of sincerity and courage. These are the hard things of life.
“It is not important whether engineering is called a craft, a profession or an art; under any name this study of man’s need and of God’s gift that they may be brought together is broad enough for a lifetime.”

These words of Hardy Cross, engineer and educator, bring to you, new engineers, the feelings of most of us who have assumed the responsibility of preparing men and women for engineering.

Wars and rumors of war, inflation, deflation, security, advancement, management vs. research — all of these and more cloud a graduate’s thinking concerning the basic reasons for his education. But encased in the many details of the presentation of Principles of Engineering, Staff Control, Electronics, Unit Operations, Stress Analysis, Structures, and the like has been the fundamental principle indicated by Professor Cross. Constant reminders might have made this principle trite and seemingly unimportant, and therefore we have relied on its absorption along with engineering theory and facts.

I congratulate you on the successful completion of your undergraduate work and upon your graduation. Continue your professional development with the realization that you have but started a lifetime study “of man’s needs and God’s gifts that may be brought together.”
College students, being somewhat cynical, are thought to be reluctant to admit that they seek moral values. My experience with students does not bear out this contention. Most of those with whom I have come in contact are definitely concerned with something more than just earning a living.

In the first place, they are seeking an education and the great majority realize that education is not merely training in a narrow sense; it is an attempt to make a better man, not merely a more employable one. Too, participation in extracurricular activities may help to get that better job, but we cannot ignore the effect which that participation has upon the student body as a whole.

Surely we do need to put greater emphasis upon moral values. We need to re-examine the real purpose of education. We need to re-emphasize the fact that everyone can make a contribution to extracurricular activities. Fortunately we do not have to start from scratch — even now moral values are very real at Newark College of Engineering.
The Class of 1953 is graduating into a highly technical, industrial, and commercial world. A successful approach to it necessitates a high degree of applied technical skill. It is apparent that the successful graduate must have a sound technical and scientific background to cope with the complexity of problems which will beset him.

You, as graduates of an engineering college, are especially well-fitted to enter such a society. However, graduation should not be the end of learning, but it should serve as the gateway to further education and study. Demand for engineering graduates presently is acute, but continued success in your chosen profession will come only through hard work and by a diligent application of your training to the problems confronting you. Success will not pass you by if you embrace fully the principles and ideals set forth in the Code of Ethics and apply them in your professional and business contacts.
The receiving of a degree in engineering must be a very satisfying time in a man’s life. As he completes successfully the first true step toward personal fulfillment, he looks eagerly ahead to his own future.

Real fulfillment, though, is not merely a personal thing; it is collective in the sense that it can only be achieved when the effects of the engineer’s work are a tangible benefit to everyone. Every engineer does not provide to society a panacea for the world’s problems, but each one can, in his own measure, contribute his best effort. It is good to keep in mind that the learning gleaned in college is fundamentally a debt — a debt that is discharged by disseminating what has been taken.

As the Class of 1953 leaves NCE, I lose many good friends. Know that I offer every graduate sincere congratulations and best wishes for a future founded on the standards that I am sure each of you will set.
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<thead>
<tr>
<th>Name</th>
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<tr>
<td>Harold N. Cummings</td>
<td>Vice President Emeritus</td>
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<tr>
<td>James A. Bradley</td>
<td>Dean, Coordinator of Cooperative Program</td>
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<tr>
<td>James R. Clovis</td>
<td>Administrative Assistant</td>
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<tr>
<td>Robert K. Haubner</td>
<td>Administrative Assistant</td>
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<tr>
<td>Russell F. Lewis</td>
<td>Engineer in Charge of Maintenance</td>
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<tr>
<td>David H. Mangnall</td>
<td>Evening Supervisor</td>
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<tr>
<td>Frank N. Entwistle</td>
<td>Director of Student Orientation and Testing</td>
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<tr>
<td>Clarence H. Stephans</td>
<td>Director of Industrial Relations</td>
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<td>Richard Blanchard</td>
<td>In Charge of Public Relations</td>
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<tr>
<td>Dr. Irving P. Orens</td>
<td>Chairman, Graduate Division</td>
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<tr>
<td>J. Wilson Pennington</td>
<td>Financial Administrator</td>
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<tr>
<td>Charles J. Kiernan</td>
<td>In Charge of Student Aid</td>
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<tr>
<td>Frank H. Lewis</td>
<td>Veterans' Coordinator</td>
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<tr>
<td>Edith C. Rielly (MRS.)</td>
<td>Secretary to the President</td>
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<tr>
<td>Robert C. Hoag</td>
<td>Chief Accountant</td>
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<td>Henry H. Metzenheim</td>
<td>Comptroller Emeritus</td>
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<td>Ira A. Tumbleson</td>
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<td>Herbert S. Soutar</td>
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<td>Margaret B. Weiher</td>
<td>Cafeteria Supervisor</td>
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<td>Margaret A. Yatsko</td>
<td>Recorder</td>
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<tr>
<td>Adele E. Garrison</td>
<td>Cashier</td>
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<tr>
<td>E. Alice Hickey</td>
<td>Registrar</td>
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Dedication

The class of 1953 of Newark College of Engineering has always been known as a class which has done things in a different way. In keeping with this precedent the editors of the Nucleus would like to dedicate it to those who made its publication possible. To the members of the faculty, to the many staff members and secretaries, and to the various members of the class whose untiring efforts went into completing this book, we express our sincere gratitude and appreciation.

So many classes have come to the commencement ceremony with no real experience in working with others, not working professionally necessarily, but socially and civically. With but a little effort on their part they could have entered the extracurricular program and gained this valuable experience. They just never cared enough — or considered it important enough to participate. If this message stimulates the members of future classes to contribute a little of their time to some extracurricular activity, we will consider this yearbook a success.

The Editors
After a year of quantitative analysis, during which we worked with P.A.E.'s, calibrated burets, and brass weights calibrated to the fourth decimal place, many of us were still brave enough to further our studies in chemistry.

Our junior year brought us into contact with four fields of chemical engineering. It was then that we became aware that one could never obtain a 100% yield without starting with 500% excess of all reagents. It was in those tedious double hours of "phys chem" that we learned that a theory could only be perfectly applied to theoretical situations. Mr. Salamone enlightened us on heat exchangers and pressure drops, and then June finally saved us.

George C. Keeffe, Executive Associate

At last our senior year engulfed us. This was the year when we were to become "professional", our department chairman informed us. This was to be the time when practical situations were to be studied. We tried to become professional, but our high spirits dropped quickly when we learned the costs of doing the same. The practice of wearing collegiate clothes was discontinued on Tuesdays, and, on the fifth floor of the laboratory building, new physico-chemical constants were discovered.

After June, 1953, our gripes slowly faded away, and we looked forward to our professional career with new knowledge and inspiration, and, incidentally, a B.S. degree in Chemical Engineering.
CHARLES L. MANTELL, B.S., A.B., A.M., Ph.D.
“Up in the region around Niagara Falls”

GEORGE C. KEEFE, B.S., Ch.E., M.S.
“Do I have to call on volunteers for this problem?”

MICHAEL FREDERICK, B.S., M.S.
“What are you guys gonna do when you get out in industry?”

JAMES A. BRADLEY, A.B., A.M.
“I think I’ve covered this before, but you probably don’t remember.”

JOSEPH JOFFE, A.B., B.S., M.A., Ph.D.
“Mr. Holzman, will you please be quiet?”

CARL W. CARLSON, B.A., M.S., Ph.D.
“We’re going back to ignorance.”

JEROME J. SALAMONE, B.Ch.E., M.Ch.E.
“Let’s treat this problem rigorously”
**Herbert Alonzo Beebe**

Born in Paterson, Herb entered NCE immediately upon graduation from Belleville High School. His leadership ability was proved when he was twice elected vice-president of his class. Herb’s talents should be a welcome addition to the profession.

**Walter Andrew Blumenscheid**

Walt, who became a bridegroom last year, is a graduate of West Side High School and a former navy man. He is employed by Industrial Process Engineers, where he is associated with the design and fabrication of chemical process equipment.

**John Norbert Bain**

John, a resident of South Orange, studied in the field of patent law at Cornell University before switching to chemical engineering at NCE. His devotion to the sports and activities in which he has been engaged has led to his well-developed personality.

**Maurice John Boland**

After graduating from Central High, Jack served in the Navy for one year. He is a leading athlete, but his devotion to varsity sports has not hampered him from becoming a real competitor in bridge tournaments. He has also given generously of his time to make possible the success of many class activities.

**James J. Browne**

A distinguished-looking student, Jim is one of our few day school students who is employed at the same time. A former member of the U. S. Naval Armed Guard and the father of three children, he is presently employed at Kolker Chemical Company in Newark in the field of Production Supervision.
Friendly and sincere, Pete is devoted to organic chemistry. He is a former member of the 339th Regiment of the 85th Caster Division, having served in the Italian Theater in 1944 and 1945. He attended Syracuse University before entering NCE in his junior year.

Joe, one of the “Gold Rush” twins, could be found playing bridge during his lunch period or on the baseball field on Saturday. A warm supporter of our class functions, his readiness to look at the practical side of a situation made many of our hours of Staff Control more pleasant.

Our representative in the electroplating industry, John is an alumnus of St. Benedict’s Prep and a U. S. Navy veteran. In addition to being an officer of Pi Kappa Phi, he is an enthusiastic member of his section’s intramural basketball team.

Whether talking about politics or philosophy, one can always find in Pete an interested listener and contributor. His future plans are to work for a Master’s degree in chemical engineering at night, while being employed by a pharmaceutical firm during the day.
Fred is our most distant commuter, coming by bus, subway, and train from the Bronx each morning. He has never been known to use a briefcase, but delights in doing rough problems with slide rule and tables on the 7th Avenue Subway at rush hours. His other New York experiences include work on the New York Central, where he was a fireman for one summer.

A graduate of Central High School, Frank's intense interest in chemical engineering is proved by the fact that he receives information from some chemical concern almost every day. An expert on automobiles, he has fixed many of his friend's cars. He has spent summers working for E. I. du Pont, and later, as a development engineer for Wallace and Tiernan.

After receiving a B.S. in chemistry from Rutgers in 1944, Ed served two years with the army, spending some of that time with the military government in Korea. He later worked in Arabia for Arabian-American Oil Company. The only man we know who speaks Japanese and Arabic, he plans to work in the petroleum industry.

Dick was an active fraternity man and the hard working secretary of Phi Beta Tau. His distinguishing feature was the lack of temper to go with his flaming red hair. We will always remember Dick's bleary eyes on Monday mornings (hard weekends studying, no doubt!)

Al, an Honors Option student, plans graduate work at MIT. His jovial spirit and energetic activity have led him to become one of our most active students. His willingness to begin something new has spearheaded him through NCE.
Alfred E. Korn

Al, who graduated from Belleville High, served in the infantry for eighteen months before he came to NCE. He is married and has one son. Al is a quiet and serious fellow who has a sincere interest in chemistry.

Andrew Edward Kollar

A present resident of Clifton, Andy was graduated from Passaic High School prior to serving in the U. S. Navy Hospital Corps in the South Pacific. His cheerful smile and consistency in performing assigned work will be of great aid to him.

Robert G. Kinzler

As a First Lieutenant with the Signal Corps from 1940 to 1945, Bob served in the Pacific Area and is a veteran of the Pearl Harbor attack. A South Jerseyan, he is employed by the Electro Impulse Laboratory in Redbank and anticipates marriage in the near future.

Paul George Kisciras

Paul was born in Kalamata, Greece, where he attended both grammar and high school. The varied sports and club activities in which he has been engaged are ample proof of his versatilities. His encouraging attitude is a vital part of his personality.

Raymond Eli Kizma

A night student before entering the Senior Division, Ray worked as a sales engineer. An "old married man" as of September 1952, Ray has the faculty of getting along with everyone and making friends easily. Neat in appearance and in work, he is efficient and is generally one jump ahead whether in the Organic Lab or in a bridge game.
Dick, a resident of Bloomfield, is married and has two children. He served three years with the 3rd Photo Reconnaissance Squadron of the USAF. An evening student, he is employed by the Metals Disintegrating Company in the Powder Metallurgy Division.

Charlie is a quiet man with a ready wit. On the roster of Tau Beta Pi, the Honors Option program, and the Dean's List, he has consistently been near the top of his class. An accomplished dancer, he excels in Latin-American "steps. He is considered a top candidate for our "most likely to succeed" chemical engineering graduate.

Harold entered NCE with an old car and a motorcycle. He finally graduated to a 1941 Chrysler, which took some of the boys on a memorable trip to Florida. A quiet person, he can always be counted upon to do a terrific job on technical reports. His Naval Reserve activities kept him busy during off-hours from homework.

Cris did an excellent job of combining school work and sports. He led CH6B's basketball team to the intramural championship, and was picked for the intramural "All Star" team. Cris expects to go into production work upon graduation.

Bill, an industrious social organizer, directed the organic chemistry exhibit for Visitors' Day and helped in promoting many class functions. His active interest in personnel problems will probably lead him to a position in the field of human relations.
Walt came to the Senior Division after four years of night school and ten years with Westinghouse. Prior to entering college he spent two and a half years in the army. His primary social interest is bridge; his industrial interest the plastics field.

Walter Joseph Markiewicz

Ed is a Chemical “Fly Boy” who is always equipped with a gag. His “my friends” has become a trademark. He is a natty dresser and devotes his extra time to Phi Beta Tau. Ed will join the Air Force after graduation. He later plans to follow a career in Chemical Production Control.

Sam entered NCE from Weequahic High as one of our youngest students. An energetic worker, he often had outside jobs while school was in session. Affectionately called the “Robert Mitchum” of NCE, he turned in some of the longest test papers known, but in the final analysis, every test was a “snap.”

Sam Gordon Marx

John M. Jerome McGarry

Jack came to NCE from Saint Bonaventure’s High School in Paterson. He entered school politics and rose to the top as president of the Senior Class. He will always be remembered for his contributions to our class spirit, his cheery disposition, and his sincere interest in other people’s welfare. An avid bridge player and ROTC officer, Jack is one of the best liked fellows in school.

During World War II, Al served in the European Theater as a member of the 80th Infantry Division. Since graduation from Rutherford High School, he has pursued his chemical engineering career by attending night school at NCE, and by working for the Trubek Laboratories of East Rutherford.

Alfred John Mazzacca
Earle Adolph Nirmaier

William Henry Nash

Louis Frank Nienart

Bill is a member of the Rollicking Chemical Group and is famous for the Nash “easy” method of problem solving. His extra time is devoted to Phi Beta Tau and the U. S. Naval Reserve.

After graduation from Thomas Jefferson High, Lou served with the U. S. Air Force from 1942 to 1945, both in Europe and in Africa. Although he has no definite plans for the immediate future, his mature and refined manners will be an asset to him in whatever field he chooses.

Earle holds a well earned Tau Beta Pi key being president of the Photography Club and secretary of both the ACS and AIChE. Earle, who mixes bridge with his studies and photography, ardently supports the Yankees. He is a good example of a well-rounded engineer.

A veteran of many commuting miles, Charlie knows well the route of the P.S. 114 from Butler. His consistently good work has made him an Honors Option student, and his sincere attitude will be an asset in his graduate work.

John James O’Connor

Jack is one of the few men who have successfully mixed marriage with a college education. “Dad”, as he is affectionately known, has been married four years, is an army veteran, and is one of the best story tellers in the class.

Earle Adolph Nirmaier
Gerald Joseph Schiazzano

Jerry, a graduate of Belleville High School, centers most of his activities around sports. He is also a member of Alpha Phi Delta and the Dance Club. His leading interest is in a research career. Jerry plans to do graduate work in chemical engineering.

William Francis Rock, Jr.

The "other half" of the Rock-McGarry bridge team. Bill never shirked his student responsibilities. He has been a section representative to his class council for four years and has been vice-president and representative to the inter-collegiate council of the North Jersey Section of the ACS.

John Peter Racz

Jack's special interest is in the field of production engineering, where his goals will be limitless. He has proved himself a capable student by being a member of the Honors Option program. Jack has always led in stimulating class discussions.

Walter Thomas Reichle

Walt is the organic chemist supreme, the only chemical capable of asking Dean Bradley a sensible question. An army veteran, Walt continues his leadership as president of the student chapter of the American Chemical Society. His main interest is in organic research in the high polymer field.

Joseph Vincent Rizzo

One half of the Rizzo-DiMartino bridge team. Joe hails from Passaic, where he has been a member of the Naval Reserve for several years. A good sense of humor and a cooperative attitude are not lacking in Joe, who desires to do graduate work in the field of management engineering.
Eric Allan Sheard

Eric, born and still residing in Belleville, is one of the leading lights in our excellent Glee Club. He is an honor man, and mixes the arts with engineering, making him a “human” engineer. An excellent speaker, Eric plans a career in Personnel Relations.

Howard John Schrenk

John completed his college education in the evenings while working at the Heyden Chemical Company. Although a native of Jersey City, John’s formal education towards his chemical engineering degree began at Lyndhurst High School. Later, he and his wife settled in Lyndhurst and since then have increased the town’s population by two.

Tony was born in Olhao, Portugal, and attended high school in Lisbon. He has attended night classes at NCE while working as a chemist at Linde Air Products Company, a division of Union Carbide and Carbon Corporation. An avid soccer fan, he has helped with the guidance of our soccer team.

Antonio da Silva

Frank was born in Newark and graduated from Nutley High School, and he is the proud father of two children. A resin development laboratory employee of the Bakelite Division of Union Carbon and Carbide, he plans an M.S. degree in chemical engineering.

John Henry Sivori

Jack makes the trip from Paterson each day but is always here early enough to open the doors. He is an excellent athlete and is usually found discussing sports in between chemical problems. He intends to do graduate work for an M.S. in chemical engineering.

Anthony Joseph Skiermont
George, a resident of Passaic, transferred from Stevens Tech after his freshman year. He is characterized by his intelligent attitude toward all problems, his well-rounded knowledge, and his modesty. He has always been willing to lend a helping hand to others in their difficulties.

Harry W. Zbinden

Intelligent and sincere, Harry’s interest in organic chemistry has already enabled him to do research work and to become vice president of the ACS. He was in the 82nd Airborne Division and the 6th Constabulary Regiment in Occupied Germany before he enrolled at NCE.

Carmen Frank Verrone

Energetic and “happy-go-lucky,” Carmen is an enthusiastic athlete. Besides being a member of our varsity soccer team, he has been active in intramural and interfraternity basketball. Being president of the Interfraternity Council and playing bridge in the Commons filled his busy social schedule.

George Stepien, Jr.

Bob, who was married last June, has spent eight years with the Bakelite Company in Bloomfield. He will probably remain in the field of organic and resin chemistry after graduation. An excellent student, Bob is well remembered as a meticulous connoisseur of fine music and fine foods.

Robert John Turbett

Hailing from South Hackensack, Ken is another distant commuter. As an Honors Option student, he worked in the electroplating and chemical process equipment industries. He plans a Master’s Degree at NCE after graduation.

Kenneth Joseph Veprek
Anibal Joseph Costa
Massachusetts has birth rights to Joe, but the Army Air Force claimed him from February 1942 till December 1945, during which time he served as a medic in the Mediterranean Theater. He is the father of a six-year old girl, Karen, and an employee of the plastics division of E. I. DuPont in Arlington.

Robert William Duncan
Bob spent part of his early life in South America. He served with the Army Signal Corps and attended Trenton Junior College before coming to NCE. The father of two children, he delights in working in the garden of his Bordentown home. His business-like attitude is conspicuous in all his activities, one being the vice-presidency of the AIChe.

Albert Thomas Dybacki
Al came to NCE from Catholic University, where he played varsity basketball. Before that time he served with the Army Combat Engineers in Europe from 1943 to 1945. He is planning marriage in the near future and then hopes to work for United States Rubber Company.

Howard Charles Gaffney
Howard was born in Glen Ridge, but attended school in Malvern, L. I. He came to NCE after serving two years in the navy. During his freshman and sophomore years he played varsity basketball. Between the sophomore and junior years he took the plunge and was married. With his quick wit and hearty humor, Howie has entertained the boys, especially at section picnics.

Carl H. Vogel
Carl was born in New Britain, Connecticut, and was graduated from Bilbert School in Winsted. He served with the army in the South Pacific during the years from 1942 to 1946. Attending school in the evening and working at the Reheis Company, Inc., has cut his spare time to a minimum.

George Bertrand Wolven
The valedictorian of his graduating class from Harrison High. George has continued to receive good grades, becoming an Honors Option student. After graduation he plans marriage, an M.S. in chemical engineering, and a career in petroleum engineering.

Edward August Zukowski
A daily commuter from Jersey City to NCE, “Zuk” has been an enthusiastic basketball player in the gym, a bridge player in the Commons, and an ardent sports enthusiast away from school. His maintenance of a cheerful and optimistic attitude when it looked as though June would never come made him popular among his peers.

John H. Eigler
John, who was born in Jamaica, N. Y., has a military service record of two years with the U. S. Army paratroops. A present employee of the Bell Telephone Laboratories, he is also the proud father of two children.

William Edward Morris
An employee of the Barret Division of Allied Chemical and Dye Corporation, Bill served in the 11th Airborne Army in Japan after World War II. He is the father of one child and plans to continue working at NCE for a Master’s degree in chemical engineering.

Frank Noel Odell
An evening student at NCE, Frank is a lifetime resident of Roselle Park. He is married, has two children, and is employed in the Pigments Department of E. I. du Pont. Frank plans possible graduate work at NCE.
JOHN N. BAIN
149 WEST MONTROSE AVENUE
SOUTH ORANGE, N. J.
Honors Option; AIChE; ACS; Rifle and Pistol Team (Cornell); Crew (Cornell); Golf Club; Sigma Phi Epsilon (Cornell); Newman Club (Cornell).

JOHN D. CRAY
5 ROGER AVENUE
CRANFORD, N. J.
AIChE; ACS; Intramural Basketball; Pi Kappa Phi.

EDWARD G. FLEISCHER
88 MOUNTAIN AVENUE
BLOOMFIELD, N. J.
AIChE; ACS; International Relations Club, President.

JOHN H. EIGLER
925 SHERMAN AVENUE
PLAINFIELD, N. J.
AIChE.

HERBERT A. BEEBE
146 FLOYD STREET
BELLEVILLE, N. J.
Honors Option; AIChE; ACS; Class Council, Vice-President; Athletic Association, Treasurer; Intramural Bowling, Softball, Basketball; Table Tennis Club; Bridge Club.

PETER J. CREIGHTON
540 MAIN STREET
CHATHAM, N. J.
AIChE; ACS; Intramural Basketball; Newman Club; Bridge Club.

FREDERICK J. FREUND
1864 HONE AVENUE
NEW YORK, N. Y.
AIChE; ACS.

WALTER A. BLUMENSCHEID
162 PARK AVENUE
EAST ORANGE, N. J.
AIChE.

SAMUEL L. DE GISI
208 NEW STREET
ORANGE, N. J.
AIChE; ACS; Bridge Club; Dance Club.

HOWARD C. GAFFNEY
19 CAROLYN TERRACE
ROSELLE, N. J.
AIChE; ACS; Varsity Basketball.

MAURICE J. BOLAND
31 VAN NESS PLACE
NEWARK, N. J.
Varsity Baseball, Bowling; Intramural Basketball, Bowling; Golf Club; Newman Club.

JOSEPH S. DI MARTINO
33 PALMER STREET
PASSAIC, N. J.
AIChE; ACS; Varsity Baseball; Intramural Basketball; Bridge Club.

FRANK A. GRAF
8 AGATE PLACE
NEWARK, N. J.
AIChE; ACS; Class Council; Intramural Basketball; Yacht Club, Treasurer; International Relations Club; Dance Club.

JAMES J. BROWNE
WHITENACK ROAD
BERNARDS TOWNSHIP, N. J.
AIChE; ACS.

ROBERT W. DUNCAN
3 EAST UNION STREET
BORDENTOWN, N. J.
AIChE, Vice-President; ACS.

ALLEN L. HOLZMAN
17 VAN REYPER PLACE
BELLEVILLE, N. J.
Honors Option; AIChE; ACS; NUCLEUS; Intramural Basketball, Bowling; Tau Epsilon Phi; International Relations Club.

ROBERT J. CELLI
348 WEART AVENUE
LYNDBURST, N. J.
AIChE; ACS.

ALBERT T. DYBACKI
72 LAFAYETTE STREET
PATERSON, N. J.
AIChE (Catholic U.); Varsity Basketball (Catholic U.).

RICHARD E. HUBER
689 SANFORD AVENUE
NEWARK 6, N. J.
ACS; Phi Beta Tau, Secretary.
ROBERT G. KINZLER
721 EIGHTH AVENUE
BELMAR, N. J.
Track; Sigma Pi; Treasurer.

PAUL G. KISCIRAS
33 FRANKLIN PLACE
RUTHERFORD, N. J.
AIChe; ACS; NUCLEUS Business Manager; Soccer; Tau Delta Phi; President; Bridge Club; Vice-President; Chess Club; Glee Club.

RAYMOND E. KIZMA
26 NORTH SIXTEENTH STREET
EAST ORANGE, N. J.
Tau Beta Pi; Honors Option; AIChe; ACS; Varsity Basketball Manager.

ANDREW E. KOLLAR
14 DAVIDSON STREET
CLIFTON, N. J.
AIChe.

ALFRED E. KORN
298 UNION AVENUE
BELLEVILLE 9, N. J.
AIChe; ACS.

HAROLD A. KULBERG
2509 DORIS AVENUE
UNION, N. J.
AIChe.

RICHARD G. LAMBORN
52 WILLARD AVENUE
BLOOMFIELD, N. J.
AIChe.

CHARLES R. LIPUMA
23 WARWICK STREET
NEWARK, N. J.
Tau Beta Pi; Honors Option; AIChe; ACS; Class Council; Intramural Basketball.

CRISPINO E. LOMBARDI
678 WEST FRONT STREET
PLAINFIELD, N. J.
Honors Option; AIChe; ACS; NUCLEUS; Intramural Basketball; Bridge Club.

WILLIAM E. LOTER
518 EAST TWENTY-SIXTH ST.
PATERSON 4, N. J.
AIChe; ACS; Class Council; NUCLEUS; International Relations Club.

WALTER J. MARKIEWICZ
68 KEFNER STREET
BLOOMFIELD, N. J.
Tau Beta Pi; Honors Option; AIChe; ACS; NUCLEUS.

SAM G. MARX
83 DEWEY STREET
NEWARK, N. J.
Tau Beta Pi; Honors Option; AIChe; President and Secretary; ACS; Intramural Basketball, Softball; International Relations Club, Secretary.

EDWARD A. NAUMAN
B12 MILTONIA STREET
LINDEN, N. J.
AIChe; ACS; Basketball, Intramural and Interfraternity; Phi Beta Tau; Treasurer.

WILLIAM H. NASH
9 BARNETT STREET
BLOOMFIELD, N. J.
AIChe; Student Services Committee; Phi Beta Tau; Dance Club.

LOUIS F. NIENART
211 CLARK PLACE
ELIZABETH, N. J.
AIChe; ACS; Golf Club.

EARLE A. NIRMAYER
14 WILLIAM STREET
MAPLEWOOD, N. J.
Tau Beta Pi; Honors Option; AIChe; Secretary; ACS; Secretary; NUCLEUS, Photography; Intramural Basketball, Softball; Rifle Club; Photography Club; President, Vice President, Secretary-Treasurer; Bridge Club.
JOHN J. O'CONNOR
70 SOUTH MUNN AVENUE
EAST ORANGE, N. J.
AIChE; ACS; Intramural Basketball, Softball; Bridge Club.

GERALD J. SCHIAZZANO
456 BELLEVILLE AVENUE
BELLEVILLE, N. J.
AIChE; ACS; Basketball, Intramural and Interfraternity; Intramural Bowling; Alpha Phi Delta; Bridge Club; Dance Club.

ROBERT J. TURBETT
30 GATES AVENUE
MONTCLAIR, N. J.

FRANK N. ODELL
115 EAST GRANT AVENUE
ROSELLE PARK, N. J.

HOWARD L. SCHRENK
312 LYNDHURST AVENUE
LYNDHURST, N. J.

KENNETH J. VEPRK
179 PHILLIPS AVENUE
SOUTH HACKENSACK, N. J.
Tau Beta Pi; Honors Option; AIChE. Secretary; ACS; Class Council; NUCLEUS; Tenecian; Dance Club.

CHARLES F. Paddock
9 NEW STREET
BUTLER, N. J.
Honors Option; AIChE; ACS.

ERIC A. SHEARD
83 FLOYD STREET
BELLEVILLE, N. J.
Honors Option; AIChE; ACS; Class Council; NUCLEUS; Intramural Basketball; Glee Club; Dance Club.

CARMEN F. VERRONE
30 OAK STREET
BLOOMFIELD, N. J.
AIChE; ACS; Soccer; Basketball, Intramural and Interfraternity; Interfraternity Council, President and Vice President; Alpha Phi Delta; Bridge Club.

JOHN P. RACZ
66 VAN RIPER AVENUE
CLIFTON, N. J.
Honors Option; AIChE; ACS; Dance Club.

ANTONIO DA SILVA
177 WALNUT STREET
NEWARK, N. J.

CARL H. VOGEL
67 GALES DRIVE
NEW PROVIDENCE, N. J.
International Relations Club, President.

WALTER T. REICHLIE
80 MONROE PLACE
BLOOMFIELD, N. J.
Tau Beta Pi; Honors Option; AIChE; ACS, President.

JOHN H. SIVORI
117 VERNON AVENUE
PATERSON, N. J.
AIChE; ACS; Intramural Basketball; International Relations Club, Treasurer.

GEORGE B. WOLVEN
204 HAMILTON STREET
HARRISON, N. J.
Honors Option; AIChE; ACS; Intramural Basketball.

JOSEPH V. RIZZO
273 OAK STREET
PASSEIC, N. J.
AIChE, Treasurer; ACS; Intramural Basketball; Golf Club; Bridge Club.

FRANK J. SKIERMONT
465 PARK AVENUE
EAST ORANGE, N. J.

HARRY W. ZBINDEN
43 ELIZABETH AVENUE
CRANFORD, N. J.
AIChE; ACS, Vice President.

WILLIAM F. ROCK, JR.
70 FABYAN PLACE
NEWARK 8, N. J.
AIChE; ACS; Class Council; Intramural Basketball, Softball, Bowling, Badminton; Bridge Club.

GEORGE STEPIEN, JR.
225 RANDOLPH STREET
PASSEIC, N. J.
AIChE; ACS, Treasurer.

EDWARD A. ZUKOWSKI
246 YORK STREET
JERSEY CITY, N. J.
AIChE; ACS; Intramural Basketball; Bridge Club; Dance Club.
"In the Good Old Summer Surveying Time"
When we entered the department in our Junior year, probably few of us realized the work and problems we were to experience. For instance, when surveying at South Mountain in the early winter, some of the boys turned all shades of blue and purple during the three-hour sessions on the ski slope. The all-day sessions in the second semester at Hickory Springs usually featured a soft-ball game during each lunch period. Who can forget the day Bob Shellmer wanted a drink of water? Enough water flowed from that fountain to moisturize a pack of camels for days.

By the time we entered our Senior year, we felt that we had been well indoctrinated into the methods and courses of the department, but we were disillusioned. Those “economical” designs of steel beams and influence lines had everybody reeling for awhile. One consolation we had, however, was that we did not have any new instructors; we had all of them figured out. The day came when our designs and reports were completed, and we received our B.S. in Civil Engineering. Graduation brought with it the realization that we were engineers — finally. We also realized that, for our first few years as engineers, we probably would not be required to do the complicated designs we did as students.
Let's see now, where were we?"

"The book is wrong!"

"They're just numbers to me."

"What's the matter? You look puzzled."

"There's nothing like ice fishing to make a man rugged."

"Now, let's assume first that..."
Tom, a veteran Air Corps navigator, has a long list of activities and accomplishments at NCE to his credit. He received the Outstanding Undergraduate Award from ODK and was the "M. C." of two class smokers as well as the M. C. and Co-Director of the "Kampus Kapers." Undoubtedly, Tom's wife, Ruth, has been influential in his success.

Saverio, "The Quiet Man," was admitted to the Honors Option Program in recognition of his above-average scholastic ability. He could always be relied upon to do his share of work in a lab report or in a surveying party. During the deer season, Saverio abandoned the books once in a while to pursue his favorite sport.

Kurt, whose home is located in Elizabeth, has been very active in the NCE sports program. As a varsity bowler he has helped spark his team to victory many times with his high scores. In baseball, Kurt ranks as one of NCE's outstanding players.

Bill, an Honors Option student, has been a sparkplug on the staffs of the several NCE publications. Bill was initiated into Tau Beta Pi in his senior year, a well deserved honor for a hard-working guy. After graduation, a hitch in the Air Force and an M.S. degree are included in his future plans.
Wally served as an electronics technician with Admiral Halsey's Third Fleet. Presently, he and his wife live in Leonia. An active member of the ASCE, Wally's profound interest in civil engineering should carry him far in his chosen field.

Another of the eligible bachelors in the department, Ed was born in Flushing, New York, but attended Clifton High School. In recognition of his ability, he was admitted into the Honors Option program. Ed plans to return to NCE to study for his M.S.

Ken, our senior class vice-president, was usually seen hurrying between classes to attend to some business. With all his activities, he still had time to maintain a high scholastic average, becoming an Honors Option student and a member of Tau Beta Pi. Among his many other activities, Ken has done much toward making the NUCLEUS a success. His future plans include service in the Air Force with graduate studies to follow.

Tony, an Honors Option student, displayed wide interests in the NCE sports program by playing intramural basketball, softball, and interfraternity basketball. His ability to perform satisfactorily any task given to him made him secretary of his fraternity and Program Chairman of the ASCE. He hopes to continue his education with graduate study at either NCE or MIT.

Cliff is an evening student who attended Nutley High School prior to moving to Newark, where he lives with his wife and child. He is employed as a structural engineer with Skidmore, Owings, and Merrill.
Arthur H. Kahn

At NCE, Art has been an active participant in intramural softball and basketball. Art expects to continue studies leading to a Master's degree. Following this, he will enter the field of Structural Design, which has been his option in college.

Bill attended Stevens Institute of Technology for one year. His active participation in intramural softball and basketball can be attributed to his great interest in sports. Eventually, Bill plans to work in some phase of hydraulic engineering.

Robert Michael Kennedy

While attending NCE, Bob was an active participant in J.V. Basketball, the Dance Club, and fraternity functions. His ability to maintain a high scholastic average gained him membership in the Honors Option Program. As is typical of many of the graduates, Bob expects to become a member of one of the branches of the U.S. Armed Forces soon after graduation.

Floyd Lombardi

Floyd, who was born in Paterson, was graduated from East Side High School of that city. From 1943 to 1946 he served in the U.S. Navy. While in service, he participated in the invasions of Southern France and Okinawa.

Charles S. Lubetkin

Charlie's activities are many and varied, including class offices, college publications, honorary societies, and sports. Outstanding participation in varsity basketball, Tudie's pet sport, soon gained him college-wide recognition. As a member of the ROTC, he will be granted a commission as a Second Lieutenant upon graduation.
John Francis O'Donnell

Pete, who was born in the Ukraine, began his schooling there and completed it in Germany before coming to the United States. A structural major, Pete's artistic ability will enhance his work in this field. After completion of his undergraduate work, he intends to study at night at NCE for his M.S.

Jack's pleasing personality and neat appearance have won him many friends throughout the college. As an ROTC cadet, he was awarded a membership in the Reserve Officers Association for his outstanding accomplishments during the junior year. Like many of his classmates in the ROTC, Jack will be granted a commission as Second Lieutenant in the Air Force upon graduation.

Before entering NCE, Vince attended Good Counsel High School for two years, but was graduated from Belleville High. His main interest throughout college has been baseball, the sport in which his ability at shortstop has been outstanding. Aside from sports, Vince has been an active member of the ASCE.

Raymond Edward Oberleitner

Ray, who was born in Roselle Park, came to NCE from Central High School in Newark. While at college, he has been technical editor of the SURVEYOR. He plans to enter the field of building design and expects to do graduate work in this field.

John, an evening student, was graduated from Seton Hall Preparatory School and served for four years with the army. He now resides in Union with his wife and two children, and is employed by the N.J. State Highway Department.

Petro Matula

Vincent Joseph Miller

John A. Moritz
Nick was born in Parsons, Pennsylvania, where he was graduated from West Hazelton High School. Upon graduation he would like to work on foreign shores. Nick will always be remembered as the "lucky" guy who won Tudie's dream car.

His outstanding scholarship and service to the college brought George membership in the Honors Option program and Tau Beta Pi. When not doing homework, George found relaxation and enjoyment in horseback riding and playing chess. He plans to continue his education at NCE by studying for his M.S. in structural design.

Jim, the farmer from Metuchen, attended Metuchen High School prior to coming to NCE. As a student in the Structures Option, he plans to pursue his interests in construction by working in that field upon his graduation.

Wil, a Clifton resident, was graduated from Clifton High School. He was stationed in Germany with the Fifth Armored Division while serving with the U.S. Army. Like many of his fellow graduates, Wil is not contemplating marriage in the near future.

Glode served in the Navy Air Corps aboard several aircraft carriers during World War II. Upon completion of his studies here at NCE, he plans to make a career of construction engineering, probably in the field of sanitation.

Glode Requa
As one of the few students living outside New Jersey, Dolph travels each day between Newark and the Bronx. A glance at his long list of activities indicates one reason for his popularity. If at all possible, Dolph would like to go into foreign employment with the U.S. Public Health Service.

Bob, quiet and unassuming, managed to crack a good joke once in awhile or pull a quaint trick, such as opening a water fountain at Hickory Springs. His outstanding play on his section's basketball team aided in bringing many games into the win column. Bob's participation in the Honors Option program will be helpful to him in the construction field.

A resident of Summit and a graduate of Chatham High School, Steve has taken an interest in sports in addition to his studies. He learned a few of Arthur Murray's techniques by joining the Dance Club.

Born in Brooklyn, Al moved to and attended high school in San Jose, Costa Rica. Before coming to NCE, he studied civil engineering for two and one half years at the University of Costa Rica. During the 1952 season he captained an able soccer team to several noteworthy victories. Like a great many of his fellow graduates, Al soon expects to do some military service.

Cal, who was married during the summer of 1952, hails from Westfield, where he attended high school. After his graduation Cal hopes to enter the field of construction engineering.
Bill, a member of the ASCE, managed to find relaxation by participation in intramural basketball, softball, and bowling. Like the majority of the other graduates, he has had no military service as yet. Because of his keen interest in sanitary engineering, Bill enrolled in the Sanitary Option and hopes to continue in this field upon graduation.

Paul is an ardent sportsman, who finds much pleasure in a fast game of tennis or a difficult game of chess. He has also played intramural basketball and softball for his section. Like many of his classmates, Paul is still an eligible bachelor. If military service does not interfere with his plans, he will begin work in the field of construction upon graduation.

George, a native son of Paterson, was graduated from Paterson Central High School. Upon his entrance into the civil engineering department, he elected to take the Sanitation Option. His timely quips and vast knowledge of humorous anecdotes have caused many a hearty laugh from his companions. Among other things, he enjoys a good game of golf for relaxation.

Following his graduation from St. Michael's High School in Union City, Charlie attended Jersey City Junior College before entering NCE. Upon graduation he would like to enter the construction field.

Jaroslaw, an energetic student, was born and attended high school in the Ukraine. He is employed by the CECO Steel Products Company and hopes to enter the construction field. Jaroslaw is married and the father of one child.
Upon graduation from North Plainfield High School, Bob served nineteen months in the Aleutian Islands during his tour of service with the U.S. Army and Air Force. He is planning a career in structural work. Bob expects to be married before graduation.

According to Tony, whose home is in Paterson, marriage is presently the furthest thing from his mind. He plans to get a combination of field and office experience before deciding whether to enter foreign service. If his work will permit, Tony intends to work for his Master's degree.

Walt, the redhead of the Civils, has been active at NCE in intramural bowling and softball. When he entered his junior year, he joined the student chapter of the ASCE. Provided that the Armed Forces do not beckon him, Walt will enter a career in structural engineering upon graduation. If he gets the opportunity, he would like to work on foreign shores.
Harald A. Bisgaard
When not doing homework, Harald found enjoyment in practicing amateur photography and in building and experimenting with radio sets. He is still among the ranks of "free men," but expects to be married within a year after graduation. In the very near future he plans to travel to foreign shores to gain experience in shipbuilding.

Antonius Peter Dejongh
Tony is a night school student who is employed as a civil engineer at Universal Builders Supply, Inc. From 1943 to 1945 he served in South America with the Naval Air Corps. He is married, has one child, and resides in Arlington.

Allen James Dowd
Jim, an evening student, was graduated from Seton Hall Preparatory School before he served one and one half years with the Army Signal Corps in Hawaii. He is married and employed as Assistant Traffic Manager by the City of Newark. In his plans for the future, he is including further study in traffic engineering.

Donald Philip Downes
Don is a happy-go-lucky, friendly person. Hard work, a pleasant smile, and a helping hand—all these Don generously gives forth. He is employed by the Napp-Grecco Co., General Contractors.

Chester Frank Elliot
Before coming to NCE to study nights, Chet served with the U.S. Marine Corps from 1940 to 1945. Upon entering his junior year, he became a member of the student chapter of the ASCE. Chet is married and lives with his wife and two children in Woodbridge. His pleasant personality will undoubtedly help him in his work as a highway designer at Edwards, Kelsey, and Beck.

James Francis Finn
Before coming to NCE night school, Jim attended St. Peter's Preparatory School, St. Peter's College, and Stevens Institute of Technology. He served with the Army Corps of Engineers from 1943 to 1946, spending two and one half years in Europe. Married and the father of one child, Jim is working for the New Jersey State Navigation Bureau.

Donald Edward Grosso
Don, who was born in Allentown, Pa., attended high school in Lyndhurst. Before coming to NCE, he attended Fairleigh Dickinson College for two years and received his degree of Associate Engineer. Don intends to get into the sanitation field upon graduation. When he became engaged to be married, Don was dropped from the list of eligible bachelors in the department.

Andrew Perdek
Andy, an evening student, lives in Colon. He served with the 11th Airborne Division of the U.S. Army Engineers in the Philippines, Japan, and Okinawa. He is married and is employed by the Wigton Abbott Corporation in the industrial construction department.

Robert John Schwade
After his graduation from Central High School, Bob saw action with the U.S. Navy Seabees in the Pacific during 1943-1945. He is happily married and has one child. Bob is a construction and maintenance engineer for the Worthington Corporation in Harrison.

Edward Henry Tyler
Ed has displayed his enthusiasm for sports by participating in intramural basketball, softball, and intrafraternity basketball. His friendly manner and neat appearance helped him gain the offices of President in the ASCE and his fraternity, Alpha Sigma Phi. Before coming to NCE, Ed served with the Army in New Guinea, the Philippine Islands, and Japan.
HAROLD A. Bisgaard
545 Ayres Avenue
North Plainfield, N. J.
ASCE.

SAVERIO P. Bosco
Box 48, High Street
Milmay, N. J.
Honors Option; ASCE

THOMAS J. Brennan
28 East Third Street
Bayonne, N. J.
Omicron Delta Kappa; Pi Delta Epsilon; ASCE; Sophomore Class, President; Student Council, President; AA, Vice President; TECHNICIAN; Bowling, Intramural and Varsity; Intramural Basketball; Pi Kappa Phi, Secretary.

KURT L. Carlson
1010 Kilsythe Road
Elizabeth, N. J.
ASCE; SURVEYOR; TECHNICIAN; Intramural Basketball; Varsity Baseball, Soccer, and Bowling.

JOHN Chocha
234 Jackson Street
Matawan, N. J.
ASCE; Photography Club.

ANTONIUS P. Dejongh
14 Bayard Avenue
Arlington, N. J.
ASCE.

ALLEN J. Dowd
265 West End Avenue
Newark, N. J.
Varsity Basketball.

DONALD P. Downes
667 High Street
Newark, N. J.
SURVEYOR.

WILLIAM G. Dyker
416 Rutherford Avenue
Lyndhurst, N. J.
Tau Beta Pi; Arnold Air Society; Honors Option; ASCE; TECHNICIAN; CADET, Assistant Editor; SURVEYOR; NUCLEUS, Professional Department Editor; Intramural Softball.

CHESTER F. Elliot
320 Grady Drive
Woodbridge, N. J.
ASCE; Varsity Basketball.

WALLACE S. Faig
51-B Lakeview Avenue
Leonia, N. J.
ASCE.

KENNETH F. Geiger
112 Hollywood Avenue
East Orange, N. J.
Tau Beta Pi, Corresponding Secretary; Pi Delta Epsilon; Omicron Delta Kappa; Honors Option; ASCE; Senior Class, Vice President; Class Council; NUCLEUS, Editor; TECHNICIAN; SURVEYOR; Intramural Basketball, Softball, and Bowling.

DONALD E. Grosso
318 Lafayette Avenue
Westwood, N. J.
ASCE.

CLIFFORD A. Holden
15 Central Avenue
Newark, N. J.

ANTHONY T. Ierubino
160 Isabella Avenue
Newark, N. J.
Honors Option; ASCE; Class Council; Intramural Basketball and Softball; Interfraternity Basketball; Alpha Phi Delta, Recording Secretary.

EDWIN C. Johanson
17 Clay Street
Clifton, N. J.
Honors Option; ASCE; Class Council; NUCLEUS; Intramural Basketball and Softball.

WILLIAM R. Johnston
370 Central Avenue
Orange, N. J.
ASCE; Class Council; Intramural Softball and Basketball; Delta Tau Delta.
ARTHUR H. KAHN
140 CHANCELLOR AVENUE
NEWARK, N. J.
ASCE; SAM; SURVEYOR; Intramural Basketball and Softball; Rifle Club.

PETRO MATULA
37 FOURTEENTH AVENUE
NEWARK, N. J.
Honors Option; ASCE; NUCLEUS; International Relations Club; Bridge Club.

JAMES A. PAFFENDORF
400 DURHAM AVENUE
METUCHEN, N. J.
ASCE; Photography Club.

ALEXANDER V. KAY
116 BRIDGE STREET
ROSELLE PARK, N. J.
ASCE.

VINCENT J. MILLER
222 IVY STREET
KEARNY, N. J.
ASCE; AA. President and Treasurer; SURVEYOR; Varsity Baseball; J.V. Basketball.

NICHOLAS W. PECKOVICH
332 HIGH STREET
NEWARK, N. J.
ASCE; Sigma Pi.

ROBERT M. KENNEDY
794 PARKER STREET
NEWARK, N. J.
Honors Option; ASCE; Vice President; J.V. Basketball; Alpha Sigma Phi; Dance Club.

JOHN A. MORITZ
556 YORKTOWN ROAD
UNION, N. J.

GEORGE R. PECONE
213 SHIPPEN STREET
WEEHAWKEN, N. J.
Tau Beta Pi; Honors Option; ASCE; Alpha Sigma Phi. Recording Secretary.

RAYMOND A. KUGELMAN
313 ELEVENTH STREET
UNION CITY, N. J.
ASCE.

JOHN F. O’DONNELL
85 BOSTWICK AVENUE
JERSEY CITY, N. J.
Arnold Air Society; ASCE, Program Chairman; Class Council; CADET, Circulation Manager; Varsity Baseball; Intramural Softball and Basketball.

ANDREW PERDEK
156 SOUTH HILL ROAD
COLONIA, N. J.

FLOYD LOMBARDI
1220 BOULEVARD
SEASIDE HEIGHTS, N. J.
ASCE.

WILBUR J. PONTIER
10 ELEMA PLACE
CLIFTON, N. J.
ASCE; Intramural Bowling.

CHARLES S. LUBETKIN
17 PATTEN PLACE
NEWARK, N. J.
Omicron Delta Kappa; Tau Beta Pi; Arnold Air Society; Honors Option; ASCE; Freshman Class, President; Student Council; TECHNICIAN; Varsity Basketball; Track.

JOHN R. OWEN
115 HOWARD TERRACE
LEONIA, N. J.
ASCE; Class Council.

GLODE REQUA
332 HIGH STREET
NEWARK, N. J.
ASCE; Sigma Pi; Photography Club, President; Radio Club.
DOLPH ROTFELD  
1403 GRAND CONCOURSE  
BRONX, N. Y.  
Pi Delta Epsilon; ASCE; SAM, Treasurer; Student Council, Secretary; SURVEYOR, Editor; TECHNICIAN, Sports Editor; NUCLEUS; Varsity Soccer, Captain; Intramural Basketball and Softball; Tau Delta Phi; Bridge Club.

GEORGE F. SPAGNOLA  
4 PARK PLACE  
PATERNON, N. J.  
ASCE; Alpha Sigma Phi.

WILLIAM T. STERLING  
268 SOUTH VAN DIEN AVENUE  
RIDGEWOOD, N. J.  
ASCE; Intramural Basketball, Softball, and Bowling.

STEPHEN J. ROTTER  
109 SUMMIT AVENUE  
CHATHAM, N. J.  
ASCE; Varsity Soccer; Intramural Basketball and Softball; Golf Club, President; Dance Club.

Calpurnio F. Salamone  
415 RAHWAY AVENUE  
WESTFIELD, N. J.  
ASCE, Treasurer; Intramural Softball.

Robert J. Schwaide  
181 BROADWAY  
NEWARK, N. J.  
ASCE; SURVEYOR, Editor; TECHNICIAN; Intramural Softball and Basketball.

Alfredo Serrano  
155 EVERGREEN PLACE  
EAST ORANGE, N. J.  
ASCE; Varsity Soccer, Captain.

Edward H. Tyler  
397 SIXTEENTH AVENUE  
IRVINGTON, N. J.  
ASCE, President; SURVEYOR; Interfraternity Basketball; Intramural Basketball and Softball; Alpha Sigma Phi, President.

Paul D. Sullivan  
748 CENTER STREET  
NUTLEY, N. J.  
ASCE; Intramural Basketball and Softball; Alpha Sigma Phi; Chess Club.

Anthony Venturo  
83 PATERNON AVENUE  
PATERNON, N. J.  
Honors Option; ASCE, Corresponding Secretary; Intramural Basketball; Interfraternity Basketball and Softball; Pi Kappa Phi; Dance Club.

Charles J. Tagliabue, Jr.  
170 COLUMBIA AVENUE  
JERSEY CITY, N. J.  
ASCE; SURVEYOR; Intramural Basketball; Alpha Sigma Phi, Corresponding Secretary.

Jaroslaw Tkacz  
264 TWENTY-SECOND STREET  
IRVINGTON, N. J.  
ASCE.

Walter Voellmy  
51 NORTH TWELFTH STREET  
HAWTHORNE, N. J.  
Honors Option; ASCE; Intramural Bowling and Softball.

Robert E. Shellmer  
RD2 GREEN VILLAGE ROAD  
GREEN VILLAGE, N. J.  
Honors Option; ASCE; Intramural Basketball; Dance Club.

Robert E. Truesdale  
WASHINGTON VALLEY ROAD  
SOMERVILLE, N. J.  
ASCE.

Victor L. Woodhull  
11 HOWELL PLACE  
MORRISTOWN, N. J.
"Heater is 63 volts, Grid number 1 is 200 volts, Grid number 2 is... YEOW!"
As we approached the end of our senior year, we stopped and looked back over the past years. A new department head, Doctor Harry S. Dixon, took over the reins of our department, replacing Professor Albert A. Nims. Del Tau Sigma, the honorary Electrical Engineering Society, was organized in our junior year, and petitioned to Eta Kappa Nu for national recognition the following year. The I. R. E. and the A.I.E.E. conventions in New York both proved interesting, especially the General Motors Show. And who was it that grabbed all those pamphlets at the convention?

Frederick A. Russell-Executive Associate

Remember our first trips to the labs! Lab, ah yes. Many experiments in Electron Tubes were attempted there. Do you recall how the amplifiers used to oscillate when used, but when needed as oscillators, they were the best amplifiers obtainable, and remember the wires that just weren’t large enough to carry the current. How many hours were wasted replacing fuses and circuit breakers. The biggest calamity of the year was a tossup between the time that “Stockroom Willie” smiled, and the experiments in the advance circuit measurements course. Some finished three out of six required experiments and the ones who were lucky enough to get good results on one lab report, were in! Lab reports! That final week when all were due; seniors were no where to be seen. Yes, lab reports. No eating, no sleeping — but finally no more lab reports!
Robert E. Anderson — B.S., M.S. —
"This is practical stuff."

William Jordan III — B.S., M.S. —
"It’s in the book. Dig it out!"

Solomon Fishman — B.S. —
"Get up there, this should be part of you."

Paul C. Shedd — B.S., M.S. —
"You’re not getting this, gentlemen."

David Kurland and Robert H. Rose

Harry S. Dixon — B.A., B.S., Ph.D. —
"The word “can’t” shouldn’t be in an engineer’s vocabulary."

Frederick A. Russell — B.S., E.E., M.S. —
"This section will have to buckle down."

David Kurland — B.E.E., M.S., Ed.M. —
"Assume a flux."

Robert H. Rose — B.S., M.S. —
"Your right hand rule is left handed."

Donald W. Dickey — B.S., M.S. —
"What a bunch of engineers."

Robert E. Anderson
and William Jordan

Donald W. Dickey

Solomon Fishman and Paul G. Shedd
John Robert Attwooll

James Harold Bamford

Jim will be remembered for his invaluable assistance to the baseball team in his post as manager. His intense interest in radio techniques prompted him to join the IRE. Jim will be commissioned a Second Lieutenant in the Air Force upon graduation, and plans to go into flight training while on active duty.

John Andrew Beverley

As a transfer student from Brooklyn Poly, John lost little time in getting into the swing of things at NCE. He was a fine student and one of the most dependable members of the class. Although a part-time job took much of John's time, he was able to squire his fiancée to most of the class functions.

John served in the Signal Corps from 1941 to 1945 in the Mediterranean Area and Hawaii. He attended Rutgers University before coming to NCE. John is now employed at the Pru as a methods consultant and is planning to do graduate work at NCE in Management Engineering.

Allan Charles Boschen

Al, a resident of Millington, was born in Montana. He served with the USAF as an electrician during the Burma Campaign in India. Al is in business for himself as an electrician, and has already started work towards his Master's degree.

Ernest Nicholas Costogne

Ernie served for three years with the Signal Corps of the Eighth Army in Japan. His excellent sense of humor and wide interests make him pleasant in all respects. Ernie intends to do graduate work in the evenings while making a career in research.

Allan Charles Boschen
Bill is a quiet fellow who can always be depended upon to come in with the homework assignment. He served in the army from 1947 to 1949. Employed at Federal Telecommunication Laboratories in Nutley during the summer, Bill plans to continue to work in electronics.

Bob is one of the real comedians of the electrical class in his own quiet way. In his own words, his character may be summed up as follows: trustworthy, loyal, helpful, friendly, courteous, kind, obedient, cheerful, thrifty, brave, clean, reverent, and also modest. In his serious moments he plans to enter the communications field and acquire an M.S. degree in electrical engineering.

John was born in Singac but attended Montclair and Passaic Valley High Schools. He is employed at the Federal Telecommunication Laboratory as a technician. John's plans for the future include a Master's Degree at NCE.

Ted has maintained an active interest in the IRE and the Radio Club, and has presided over the meetings of Tau Epsilon Phi. These activities will be advantageous to him when he pursues graduate work in connection with industrial power problems.
Dan, a top student, comes to NCE from Paterson, where he attended East Side High School. Although quiet as a freshman, he has become an active member of his class in both regular activities and everyday class humor. There is no doubt that Dan will do well in the graduate work he is planning.

An enthusiastic singer, Gene is a member of NCE's Glee Club and his church choir. A member of Honors Option and Del Tau Sigma, Gene also has time to teach Sunday School and is secretary-treasurer of a Young Adult Church Group. He spent a year in the Navy before entering NCE.

John, known for his taste for "modern" cars, is already an officer of a concern. Secretary of the Gulow Transformer Co., he intends to work there after his release from the Air Force. An avid chess fan, he has found many relaxing hours in this absorbing game.

Hailing from Date Township, down Missouri way, where he was born, Herm always had to be shown. He has served two years with the Army Corps of Engineers, and is the proud father of two children. He is now working for Ming Toy Dyeing Company and plans to work for his M.S. degree.

To the casual observer Dick appears rather quiet and shy. His friends, however, know him as a fellow with a mind of his own who can hold up his end of a conversation at any time. Although his plans for the future are indefinite, Dick will probably enter the field of communications.
Ed, one of the "crack shots" on our rifle team, has had a varied list of activities behind him. Tireless and dependable, Ed can always be counted on to do the type of job wanted. His future plans include Flight School, to be followed by work in the research and development line with the USAF.

Al, "Mr. Smoker Refreshments himself," has worked his way through college, but never neglected service to his class. A real hard dependable worker, he was entrusted with many important jobs as a section representative and was responsible for the success of many of the class functions.

John has worked and developed his education simultaneously like many of our other students. He attended school during the day while working as a night Production Engineer in Tung Sol Electric Inc.

"How could you talk" is only one of the expressions you are likely to hear from Ed. Undoubtedly one of the wittiest men in the class of '53, Ed also is noted for his extremely colorful clothes. No slouch when it comes to work, either, Ed plans to further his education after graduation. Marriage is also planned for the near future.
Florence Mazurek

Despite much activity as the president of the AIEE and as a member of all other EE organizations at NCE, Florence became an Honors Option student and was elected to Del Tau Sigma. Her esteem among the student body can be easily measured by its consideration of her as “one of the gang.”

Jorge, a good neighbor from Brazil, is an active man in sports, professional societies, and his fraternity, Tau Delta Phi. After graduation, Jorge plans to return to Brazil to the girl waiting for him, and to a top-notch engineering job.

Donald Richard Lull

Don, who hails from Clifton, is a quiet, friendly, well-liked member of our class. He has held many part-time jobs but is still a good, dependable student. An avid sports fan, “Big Don” has been a valuable man in the intramural basketball league. He plans to enter the field of electric controls after graduation.

Ronald is a quiet, easygoing student who is able to accomplish many things with astonishing facility. He is very active in professional societies, and is an honor student as well. A veteran of three years in the Air Corps in the Aleutians, Ronnie is a married man. He should go far in the electrical field.

Ed is a member of the Air Force ROTC and is an active proponent of the amateur Military Radio System “MARS,” as the director of the NCE station. Following commissioning in 1954, Ed plans to work in the research and development command of the U.S. Air Force.

Edward W. Mowle, Jr.

Ronald Erren Mosolgo

Jorge Bernardo Miernik
Mel, a fine example of a professional man, is the president and spark plug of both the IRE and the Radio Club. The fact that he operates his own amateur radio station is indicative of his interest in radio and electronics, the field he intends to enter. A good, dependable student, Ness will most be remembered for his technical ability and his willingness to help others at any time.

Having attended Central High School and then NCE, Pat hasn’t had much change of scenery for the past eight years. He is Treasurer of the Dance Club, and is also one of its biggest attractions. Although quite a party man, he has managed to attain a high scholastic average and membership in Del Tau Sigma.

Having spent most of his life in Germany and Holland, Ed is surprising well adapted to the American way of life. His main interest is the field of communications, and he plans to enroll for graduate study at M.I.T. Ed also plans to be married in the near future.

Tony has twice seen service in the U.S. Navy; the second tour of duty being aboard the renowned U.S.S. “Shangri-La.” His quiet, soft-spoken manner was a steadying influence in a great many classes.

Ray, a native Newarker, is a superior student and a diligent worker. His senior year activities were largely limited to his time-consuming job as president of Tau Beta Pi, but Ray accomplished more during his first three years than most men do in four. Although he is active socially as a regular member of the Dance Club, Ray is truly devoted to learning and should be very successful in his chosen career.
Anton John Polcer

Raymond Stanley Poquette, Jr.

Ray is a perfect example of a well-rounded engineer. He is an avid photography fan, plays intramural and amateur softball and basketball, and leads an active social life. Besides his scholastic and extracurricular accomplishments, Ray will be long remembered for his willingness to help his fellow students.

Ernie, one of the more active students in the school, is president of Del Tau Sigma and a member of Tau Beta Pi. His keen wit and faculty for playing jokes on his friends have made him well liked on campus. These, as well as his staff control skits, will be long remembered. Ernie plans to enter the electronics field upon graduation.

One of Tony's favorite pastimes outside the college is working on cars. His extracurricular activities included membership in the AIEE, IRE, and Arnold Air Society. Upon graduation, Tony will enter the Air Force as a Second Lieutenant; but when discharged from active duty, he would like to work in the development of electrical equipment.

Art's navy experience aroused his interest in the power field of electrical engineering. An active member of Sigma Pi, Art will also be remembered for his singing in the barbershop quartets of the Sophomore and Junior Smokers.

Arthur Purdy

Mary is a rather quiet girl until she is riled; then her temper is liable to match her red hair. One of the few coeds in the school, she was a welcome sight to the other members of the class. Mary plans to enter the field of design or development.

Mary Theresa Purvis

Ernest August Preuss
Joe is industrious and enthusiastic about every activity he undertakes and will be an asset to the company of his choice. While at NCE his friendly manner and smile have endeared him to his classmates.

“Slim,” who hails from Nutley, is a quiet man with a sly sense of humor. When his homework and Radio Club activities allow him any time, he likes to tinker with any available gadgets, the foremost being his old Buick. An industrious student, Bob plans to enter the electronics field after graduation.

Having a keen interest in heavy electrical machinery and audio equipment, John, who presently works as a machine designer at Westinghouse Electric Corp., intends to continue in the design field and to take graduate work in electrical engineering. John will be long remembered for a subtle but penetrating wit.

Lenny is a member of the Ground Observer Corps and the Arnold Air Society. As a member of the ROTC, he will receive his commission upon graduation. His favorite hobbies are reading, building model ships, and horseback riding. His interest in the Air Force lies in the field of guided missiles.

Charlie, a native of Elizabeth, is another good example of a “human” engineer. He is not only a fine, humorous cartoonist, but is probably the school’s best pianist. His fraternity activities and his competent classwork are further examples of his broad abilities.
Milton S. Page

After graduation from Nutley High School, Milton entered the Navy and served three years as a radioman. He lives in Nutley with his wife and child, and is employed in the instrument engineering department of the Du Mont Labs.

Louis Britchky

Lou, a graduate of Evander Childs High School in New York, is a veteran of the 135th Naval Construction Battalion of the Seabees. His likeable manner and pleasant outlook on life will enhance his future possibilities in whatever he undertakes.

Carl Dietrich

Carl is at present about the only member of the graduating class who is already serving with the Armed Forces. He is a major in the Army and is stationed at the Evans Signal Laboratory, Belmar, N. J. Already possessing a diploma in electrical engineering from Drexel, he plans to continue his education with graduate work at NCE.

Benjamin Ciro Fressola

Ben is a fraternity man, and was active in intramural sports when he attended day school. He is now employed in the sales department of the Automatic Switch Company in Orange.

Rinaldo Ferdinando Vachino

Floyd Ver Voorn

Active in rocket research, Floyd was one of the originators of the Fairleigh Dickinson Rocket Society. He was graduated from Fairleigh Dickinson with an Associate Arts degree before entering NCE in the junior year.
John George Painter

John, a veteran of destroyer duty in the South Pacific, has completed his education at night after graduating from Wood-Ridge High School. He is married and is employed at the US Rubber Co.

Born in Burlington, Jack is now married and makes his home in Irvington. He served six years in the Navy and has been a licensed radio operator since 1938. Jack was active in intramural sports and was very well liked by all who knew him. His future plans include graduate work at NCE.

Lon Lowell Sanders

Lon was born in New York City, but his heart lies in the West, where he intends to move upon graduation. Lon is a member of the Naval Reserve and is a proud papa. Before coming to NCE, Lon went to Columbia University and USC and is now employed at A. B. Du Mont Labs in the instrument division.

Peter J. Scola

Pete was graduated from Montclair High School in 1942 and immediately entered the army. He served forty-two months in the Signal Corps in the South Pacific. Pete is married, has two children, and is employed at I.B.M.

Herbert J. Wolkstein

Herb served with the 117th Army Airways Communication System of the Air Force in Italy during the war. Upon returning to the states, he began working at the National Union Radio Company as a research and development engineer of vacuum tubes.
Directory

JOHN R. ATTWOLL
570 CHESTNUT STREET
UNION, N. J.
IRE.

WILLIAM D. EDEN
ELM PLACE
CEDAR KNOLLS, N. J.
IRE; Intramural Softball, Bowling;
Golf Club; Dance Club.

JOHN E. GULOW
64 DANIEL AVENUE
RUTHERFORD, N. J.
Intramural Softball; Chess Club, Pres-
ident; Yacht Club.

JAMES H. BAMFORD
6 HICKORY STREET
CRANFORD, N. J.
IRE; Baseball Manager.

JOHN T. FETKO
3 SECOND STREET
SINGAC, N. J.
AIEEE.

DANIEL HEMPEL
348 EAST TWENTY-THIRD ST.
PATerson, N. J.
Tau Beta Pi; Del Tau Sigma, Secre-
tary; Honors Option; AIEE, Treas-
urer; IRE.

JOHN A. BEVERLEY
28 MAPLEWOOD DRIVE
LIVINGSTON, N. J.
AIEEE; SAM.

TED P. FINEMAN
269 SOUTH TWENTY-FIRST ST.
IRVINGTON, N. J.
IRE; Tau Epsilon Phi, President;
Radio Club.

EUGENE B. HEDDEN
75 WEST OAK STREET
BASKING RIDGE, N. J.
Del Tau Sigma; Honors Option; IRE,
Publicity Chairman; AIEE; TECHNI-
CIAN; Radio Club; Glee Club, Sec-
retary-Treasurer.

ALLAN C. BOSCHEN
MILLINGTON, N. J.
Glee Club.

JOSEPH J. FIORILLA
381 STRAIGHT STREET
PATERSON, N. J.
AIEE, Secretary.

HERMAN P. HEMPEL
81 GEORGE STREET
PATERSON, N. J.
Honors Option; IRE; AIEE; Sopho-
more Class, Treasurer.

LOUIS BRITCHKY
99 EAST FOURTH STREET
NEW YORK, N. Y.

ROBERT A. FRANK
79 FARRAGUT PLACE
NORTH PLAINFIELD, N. J.
Del Tau Sigma; IRE; Intramural
Softball; Sigma Pi.

RICHARD J. HIGLEY
17 WINSOR PLACE
GLEN RIDGE, N. J.
Radio Club.

ERNEST N. COSTOGUE
230 ELLIS AVENUE
IRVINGTON, N. J.

BENJAMIN C. FRESSOLA
447 FIFTEENTH AVENUE
NEWARK, N. J.
AIEE; Intramural Basketball; Alpha
Phi Delta.

EDWARD J. HOFFMAN
278 ELM AVENUE
TEANECK, N. J.
Omicron Delta Kappa, Vice Presi-
dent; Arnold Air Society, Executive
Officer; IRE; Rifle Team; Intramural
Basketball, Softball; Rifle Club, Pres-
ident.
JEWELL J. Jeude
76 Clinton Place
East Rutherford, N. J.
Intramural Basketball, Bowling.

Jorge B. Miernik
58 Cl Rua Barao de Uba
Rio de Janeiro, Brazil
IRE, AIEE; Varsity Soccer; Varsity Chess; NUCLEUS; Tau Delta Phi, Custos-office.

Edward W. Karn
1017 Hudson Boulevard
North Bergen, N. J.
Honors Option; IRE, Treasurer; AIEE; Intramural Basketball.

John A. Klein
5 Blake Avenue
Cranford, N. J.
AIEE.

Alfred J. Lipira, Jr.
31 Kipp Street
Newark, N. J.
AIEE; IRE; Class Council; Intramural Basketball.

Donald R. Lull
263 Harding Avenue
Clifton, N. J.
Del Tau Sigma; AIEE; Intramural Basketball, Softball.

Florence Mazurek
18 Leich Avenue
Carteret, N. J.
Del Tau Sigma; Honors Option; AIEE, President; IRE, TECHNICIAN; Intramural Badminton; Radio Club; Girl’s Fencing Club.

Edward J. Nosseen
236 Harrison Street
Paterson, N. J.
Honors Option; AIEE; Class Council; Dance Club.

Milton S. Page
11 High Street
Nutley, N. J.
Delta Tau Delta (Tufts College).

Edward W. Mowle
67 Whittlesey Avenue
West Orange, N. J.
Arnold Air Society; AIEE; IRE; Military Radio System, Director—NCE Station; Radio Club.

Milton S. Page
11 High Street
Nutley, N. J.
Delta Tau Delta (Tufts College).

John G. Painter
140 Park Avenue
East Rutherford, N. J.

Raymond A. Pastore
407 South Fourteenth St.
Newark, N. J.
Tau Beta Pi, President; Pi Delta Epsilon, Treasurer; Omicron Delta Kappa; Del Tau Sigma; AIEE; TECHNICIAN; NUCLEUS, Circulation Manager; Dance Club, Vice President.

Anthony P. Peldunas
310 Fourteenth Avenue
Newark, N. J.
AIEE; Intramural Softball.

Edward J. Nosseen
236 Harrison Street
Paterson, N. J.
Honors Option; AIEE; Class Council; Dance Club.

Patrick J. Perna
70 Summer Avenue
Newark, N. J.
Honors Option; IRE, Treasurer; NUCLEUS; Intramural Softball, Basketball; Dance Club.
ANTON J. POLCER
31 NORTH THIRD STREET
PATERSON, N. J.
Arnold Air Society; AIEEE; IRE; Student Council.

JOSEPH M. ROBERTI
266 NORTH SIXTY STREET
NEWARK, N. J.
IRE; NUCLEUS; Intramural Bowling, Basketball, Softball; Pi Kappa Phi.

ROBERT A. SLIWA
192 WALNUT STREET
NUTLEY, N. J.
IRE; Radio Club; Photography Club.

RAYMOND S. POQUETTE, JR.
182 WEST BIGELOW STREET
NEWARK, N. J.
Tau Beta Pi, Vice President; IRE; NUCLEUS, Photography Editor; Intramural Basketball, Softball.

JOHN W. SADVARY
49 DEVON STREET
NORTH ARLINGTON, N. J.
IRE; AIEEE; Class Council; Student Council; Intramural Basketball; Sigma Pi; Dance Club, Secretary Treasurer; Glee Club.

RINALDO F. VACHINO
1030 OLIVE STREET
ELIZABETH, N. J.
Tau Beta Pi, Cataloger; Omicron Delta Kappa, Treasurer; Pi Delta Epsilon, Secretary; Arnold Air Society; Secretary; Del Tau Sigma; Ring Committee, Chairman; AA, Publicity Director, Secretary; AIEEE; IRE; TECHNICIAN, News Editor; Varsity Fencing Team.

ERNEST A. PREUSS
142 WEST THIRD AVENUE
ROSELLE, N. J.
Tau Beta Pi; Del Tau Sigma, President; IRE, Secretary.

LON L. SANDERS
1205A CLIFTON AVENUE
CLIFTON, N. J.
IRE; Beta Theta Pi.

FLOYD VER VOORN
24 BARNERT PLACE
PATERSON, N. J.
Radio Club.

ARTHUR N. PURDY, JR.
36 SPRING STREET
GREENWICH, CONNECTICUT
AIEEE; Class Council; Student Council; Intramural Basketball; Sigma Pi; Dance Club, Secretary Treasurer; Glee Club.

CHARLES SCATURO
61 ORCHARD STREET
ELIZABETH, N. J.
IRE; NUCLEUS; TECHNICIAN; Intramural Softball; Pi Kappa Phi.

KENNETH C. WETZEL
51 HOWARD STREET
BLOOMFIELD, N. J.
IRE; Intramural Basketball, Softball; Dance Club; Table Tennis Club.

LEONARD J. SCHEIDLER
4604 BROWN STREET
UNION CITY, N. J.
Arnold Air Society, AIEEE.

JOHN R. WILLEY
32 TIFFANY PLACE
IRVINGTON, N. J.
IRE; Intramural Basketball, Softball, Bowling.

MARY T. PURVIS
911 ROANOKE AVENUE
HILLSIDE, N. J.
IRE; AIEEE; Class Council, Secretary; TECHNICIAN, Features Editor; Intramural Badminton; Dance Club; Newman Club, Treasurer; Radio Club.

PETER J. SCOLA
125 MIDLAND AVENUE
MONTCLAIR, N. J.
ACM; Theta Xi (West Virginia University).

HERBERT J. WOLKSTEIN
431 SUMMER AVENUE
NEWARK, N. J.
IRE.
I told you 1890 wasn't the operating steam pressure!
It is not untrue that many among us were uncertain about our selection of the mechanical division when we began our junior year. However, once we found ourselves in the midst of entropy, enthalpy, and intricate mechanisms we ceased to worry about the professional division and concentrated on worrying about the division of grades.

Many of us can recall how vehemently and yet how succinctly we voiced our opinions regarding our electricity courses; courses which we considered quite extraneous, unnecessary, and burdensome. It was with great glee, however, that we decended upon the mechanical laboratory. We had seen the many mechanical devices operated but had never had the opportunity to operate them ourselves — until now. Our enthusiasm was soon dampened, however, when the time came to submit the ever-present laboratory report.

JEROME L. POLANER, Executive Associate

GEORGE B. THOM, Chairman

“What are they trying to do, make English majors out of us?” was an oft-heard remark.

The prophetic nature of the ME and EE lab reports did not dawn on most of us until the senior year began. Only then did the majority of us become cognizant of the fact that report writing was to constitute an important part of the remainder of our training at NCE. However, this fact was firmly implanted in the minds of even the most reluctant students by a barrage of reports from all quarters. Reports were due for Mech. Lab., Industrial Engineering, Staff Control, and Machine Design.

Surely though, even the most adamant among us will admit, once the ordeal is over, that the training received by the students at NCE is organized on a firm and sound basis and is among the best to be offered by any such institution.
George B. Thom, M.E., M.S., M.A.
"You see, I have a one-cylinder brain . . ."

Jerome L. Polaner, B.S., M.S.
"I'll look that up for you"

Wilhelm Ornstein, B.S., M.S., D.Eng.
"Iss Goodt"

Robert E. Bannon, B.S., S.M.
"I could take this ten cent chisel and heat treat it so that . . ."

Edward Miller, B.S., M.M.E., M.A., M.S.
"Now in this P.E. problem, the torque is . . ."

LeRoy S. Olsen, B.C.E., M.E., M.S.
"No Whistling"

Theodore A. Schneider, B.S., M.S.
"Well men what's the topic for discussion today"

Eugene H. Smithberg, B.S., M.M.E.
"There is no formula gentlemen — estimate."

Eugene Stamper, B.S.
"The conductivity of this in-siu-lator is . . ."

Jerome Weinstein, B.S.
"Suppose we look that up."
William Henry Backman

Walt is a pleasant fellow who uses his dry wit at opportune moments. He was active in extracurricular work as president of the Newman Club. Walt will seek employment in the design field after graduation.

Robert T. Banfield

A resident of that air-wary town of Elizabeth, Bill has been the baseball team's hot corner man for two years. A fine example of the avid bridge enthusiast, he divided his time between studies and cards.

Tony, a fine student and an extremely likable fellow, is above all a person who commands respect. He is bound to go places because of his refusal to let any problem defeat him, no matter how difficult it might be.

Herbert Edward Bennes

Herb's participation in many extracurricular activities coupled with his high scholastic achievement earned him membership in four honorary societies. Herb's conscientious attitude and willingness to devote time to any worthwhile endeavor are sure to aid him in his chosen field.
Hugh is a very conscientious fellow with a passion for details. His industriousness should carry him far when he enters his chosen field of industrial engineering. Hugh served in the Army Air Corps in the Pacific area during World War II.

Nunzio will probably be one of the best remembered graduates this year. Besides having a wonderful sense of humor, which was always bubbling over, he was the spark of organization that meant success for many of the class affairs. His spirit of cooperation will carry him far as he enters the Air Force as a Second Lieutenant shortly after graduation.

Elly entered the U.S. Army and served with the 82nd Airborne Division as a paratroop instructor. He is planning to do graduate work at NCE for a Master's degree in mechanical engineering. His friendly manner and conscientiousness will make him a valuable asset to any organization.

Outstanding in the field of NCE publications, Jim has been president of Pi Delta Epsilon, Editor of ET CETERA, Assistant Editor of the TECHNICIAN, and Feature Editor of the NUCLEUS. A veteran, he saw service with the Fifth Air Force in the South Pacific during World War II. Jim plans to obtain his M.S. at NCE and to enter the field of rocket research.

Charlie was born in Irvington where he attended high school. First coming to NCE as a day student, he soon transferred to the evening college. Charles is married and is employed by Walter Kidde and Company as a development engineer.
Ralph, the youngest member in the senior class, has a natural ability for making friends. His versatility is shown by being a better than average student, a natural wit, and a welcomed participant in any social function. If NCE ran a poll to determine the most popular member of the senior class, he would certainly rank high on the list.

An Army veteran and a conscientious student, Lenny still finds time to relax and do a little fishing. He has a ready smile, a quiet wit, and rarely fails to relieve a tense situation with an appropriate joke. Len plans to marry after graduation.

George, a very reserved fellow, lives in Paterson with his wife and daughter. He transferred to NCE from Columbia University after completion of his tour of duty with the Air Transport Command during the last war.

Jim was born in Newark where he attended Central High School before going to Upsala College, from which he transferred to NCE. Jim, who is a member of the ASME, intends to do graduate work toward a Master's degree.
Don is a member of the Air Force ROTC, and will enter the Air Force as a Second Lieutenant after graduation. While at NCE, Don succumbed to the charms of one of the NCE secretaries and is now in the ranks of the married men. Don was one of the “Four Horsemen” of the ROTC—Don, Don, Joe, and Nunzio.

Art, another one of our night students, is employed as an Application Engineer in the Sales Department at the Worthington Corporation. The 15th Air Force made good use of his services during the war. Graduate studies here at NCE are included among the future plans of this hard-working senior.

Carl was active in basketball and baseball both in high school and at NCE. He is a member of Alpha Phi Delta, and was past secretary-treasurer of the Interfraternity Council. As an ROTC student, he will be commissioned as a Second Lieutenant in the U.S. Air Force after graduation.

Known around the college as “Doc,” Gene served as an infantry sergeant in the Pacific during the war. He is an active Pi Kappa Phi fraternity member, and is well remembered in connection with his apple-dunking escapade. Ask him what he thinks of sales engineering and he will tell you, “It’s one of the arteries of the nation.”
Kenneth Paul Doerseln

Before coming to NCE, Ken attended New York Military Academy for postgraduate work and one year of ROTC training. He was active in the intramural bowling league and is one of the better keglers of the school. Ken is married, and is employed by the Silk City Tool and Machine Works where he plans to continue his career upon graduation.

Besides being a top-notch mechanic and trumpet player, Joe is one of the most active men in the class. Scholastically, too, Joe's record is excellent and he was elected to Tau Beta Pi. Contemplating foreign service, Joe also finds that marriage may enter his list of extra-curricular activities.

“Five minutes late Tony” served in the army for eighteen months in the 3rd Armored Division. A Brooklynite, Tony commutes daily to the college, but the tediousness of travel has never dimmed his ready wit and engaging personality.

Frank served four years with the Naval Air Corps in the Pacific area. He is married and is noted for his gift of gab. Frank should make quite a sales engineer upon graduation.

George’s glib tongue, evident confidence, and candor combine to make him an unusual and interesting person to know. He is also one of the best dressed men in the class. For four years George has been plagued with the comment, “Where did you get the ‘z’?”

Francis Anthony Charles Eisele
Bob is a member of the ROTC and expects a commission upon graduation. Although he travels from Dover every day, Bob has been active in social affairs. Quiet at times, outspoken too, Bob still is assured of being a success in any undertaking.

Rody, a member of the ROTC, is a quiet, agreeable sort of person who came to NCE from Butler High School. He will not mind entering the Air Force after graduation if it does not deprive him of his two main interests-hunting and fishing — and the girl he intends to marry.

George went right from high school into the Naval Reserve where he became an aviator. About half of his four-year tour of duty was as a Flight Instructor at Pensacola Naval Air Station. He is married and is at present employed by the Bell Telephone Laboratory at Murray Hill.

John prides himself in being an average person, both scholastically and socially. His mild manner and fun loving spirit make him a welcomed participant in any circle. Having passed the required physical, he will probably become a pilot in the USAF upon his graduation.

One of the mainstays of the basketball team for the past three years, "G" was also an active fraternity man, having been President of Alpha Phi Delta. An accomplished accordianist, Arnold is a real gentleman, his quiet and unassuming manner making him very popular among his classmates. As an ROTC student, he will be commissioned a Second Lieutenant in the Air Force upon graduation.
Robert Sherwood Hattersley

Bob, editor of the TECHNICIAN, has followed a widely diversified line of activities during his four years at college, all the while maintaining an outstanding scholastic record. He is president of Omicron Delta Kappa, recording secretary of Tau Beta Pi, and vice-president of Pi Delta Epsilon. After service in the Marine Corps, Bob expects to continue his studies in the field of physics.

Leroy Stanley Hayward

Leroy was graduated from a trade association institute as a design engineer and decided to attend NCE to complete his formal education. After getting his B.S. he plans to work for his Master’s. Married, with two children, Leroy has been employed as a project engineer by the Stapling Machines Company in Rockaway.

Louis Arnold Huber, Jr.

Dewey will long be remembered for his active participation in school and class activities. He was noted for his forensic capabilities and his eager entry into any bull session. Besides “playing” bridge, “Nuggets” expounds many interesting opinions on politics and pinball machines. Dewey is married and became the proud father of a son in his senior year. Upon graduation, he plans to enter the management branch of production engineering.

Donald Bergen Halstead

A member of the ROTC, Don has engaged in many activities at NCE. His athletic ability in basketball and baseball are known to many throughout the school. His excellent scholastic record will carry him far in the management field upon graduation.

Louis Arnold Huber, Jr.

Durward I. Hulbert
After graduation from high school, Bob enlisted in the Army and served two years with the 88th Infantry Division in Italy. Bob's popularity and competence are evidenced by the positions to which he has been elected in the Student Council and the Senior Class. Bob plans to work in product development and sales.

Frank, a veteran of Pearl Harbor and the U. S. Navy, expects to continue his education for an M. S. degree. His job at the C-O-Two Fire Equipment Co. in research and design has swayed his decision to enter into the design field.

Nate, a transfer student from Bayonne Junior College, is never without a joke and a smile even in the middle of a quiz. His interest in basketball is evidenced by his varsity position and constant practice sessions in the gym.

An Air Force veteran with a tour of duty with the 315th Air Division in Japan behind him. Stan is a friendly likable fellow, who always has an even temper. His hobby of building aircraft models has stimulated his interest in the field of aircraft power plants, and he plans to obtain work in this field upon graduation.

Bill originally attended NCE for three years during the day and then completed his last year in the evening. This switch did not prevent him from obtaining a high scholastic standing as evidenced by his election to Tau Beta Pi. He is presently employed by Johnson and Johnson as an assistant project engineer.
Edward Raymond Kessler

"Kout" attended West Orange High School where he was an honor student; he received a scholarship from the Monroe Calculating Co. to attend NCE. A very likable fellow, he has participated in many countless activities and has been a definite asset to our class. He will enter the Air Force as a Second Lieutenant upon graduation.

John is a quiet and conscientious student from Bound Brook. He served for two years with the constabulary in Germany and came to NCE after being graduated from Union Junior College. John has been very active in intramural basketball.

Eddie's sincerity and willingness to work, coupled with his wit, makes working with him on any job a pleasure. His intense interest in rockets will carry him a long way in his chosen field of rocket power plant design. Ed will continue his schooling to obtain a Master's degree in Aeronautical Engineering.

Charles, a graduate of Summit High, has been employed at the New Brunswick Metal Works and attended NCE in the evening. Confident of his business prowess, Charles plans to enter into his own business upon graduation.

Ed is a jovial fellow who transferred to NCE from Rensselaer Polytechnic Institute. His vast store of jokes and songs make him a good man to have along at parties, dances, and bull sessions. Ed's ready laugh and leadership qualities will take him far in his chosen field of sales management.

Edward William Kriesmer

Charles George Lamb

John Charles Kozielec
Anthony Gerald Maletta

Tony is a man with a purposeful outlook; he has worked full time evenings while attending day school. He is married and plans to attend graduate school to obtain a degree in metallurgy.

Arthur C. Leiser

Art's ability with a rifle is the one outstanding talent of his that will never fade in the minds of those who knew him. He is the type who can be counted upon so heavily when needed that his exceptional ability is often taken for granted.

Howard Jay Lunin

Howie, one of the real “drivers” in the memo section, has been active since his entrance into college. His long list of activities and his friendliness will help him bring out the very best in students of his future classes. Along with teaching, his interests include production work and time and motion study.

Walter Christian Maier

Walt is an unassuming, friendly fellow who, besides keeping up his school grades, finds time to hunt, fish, and indulge in his favorite hobbies, boating and boat racing. He plans to do work in the Aviation Power Plant field upon graduation.

Frank Joseph Mackiewicz

“Mack” is a steady, hard-working individual whose willingness to drop his slide rule and join in a little fun has endeared him to all. His amiability and friendliness should carry him far. He plans to do research work in the mechanical field.
Roger Edwin Medlin

Roger was graduated from Regional High School in 1949. He has been an active member of the graduating class, having been treasurer of Alpha Sigma Phi, Public Information Officer of the Arnold Air Society, and cartoonist on the TECHNICIAN. His interest in engineering is almost surpassed by his interest in sport cars.

Bernie was a member of the Varsity Rifle Team during his entire four years at NCE and was known for his outstanding shooting. Other activities of his included the Arnold Air Society, Pi Tau Sigma, and the ASME, of which he was chairman of the Speaker Committee. For relaxation Bernie enjoyed listening to hill-billy music and playing the piano.

John, a quiet, likable fellow, is a good and industrious student. Though born in New York, he attended Fairlawn High School. His hobby of model building has prepared him for the persistence he will need in the testing and development field.

Warren lives in Dover with his wife and baby daughter. Since serving with the Air Force in the Pacific, Warren has distinguished himself by his amazing array of ties and his characteristic pet phrases. The experience he gained at Picatinny Arsenal will prove to be valuable when he enters the industrial management field after graduation.

Sam was rather quiet until he got married after his junior year, then his dry humor began to show itself. His favorite hobby is to get out into the field on hunting trips. Sam plans to enter production engineering after graduation.

Samuel H. Moyer
Donald Perlmutter

Don’s pleasantness and continuous even temper, in addition to his reliability, make him a most enjoyable individual and contribute to his ability to make and retain a wide circle of friends. Don has made plans to marry after graduation. He has the best wishes of all who know him.

Harold Quittman Norris

Harry is the very likable fellow who organized the Fishing Club at NCE. His interest in athletics culminated in his attaining a position on the varsity basketball squad. Harry is also an active member of the ASME.

Harold Joseph Novick

Chris has impressed us all with his friendly attitude and willingness to help others. He has been active in extracurricular work as well as having maintained a high standard of school work. Chris intends to enter the Armed Forces upon graduation and later will work in production engineering.

John E. Olsson

John was born in Passaic and was graduated from Passaic High School. He is avidly interested in automobiles—particularly “hot rods.” He expects to put his mechanical ability to good use in his future Air Force career.

Hal transferred to NCE from Colorado State College of Applied and Mechanical Arts. He served for three years in the Signal Corps in the Pacific Theater. Married, with two children, Hal is employed as a development engineer for Walter Kidde and Co.

Christopher Edward Nugent

John was born in Passaic and was graduated from Passaic High School. He is avidly interested in automobiles—particularly “hot rods.” He expects to put his mechanical ability to good use in his future Air Force career.
Thomas Edward Philips

Tom was born in Vienna and attended high school in Brussels, coming to the United States in 1949. He completed the first two years of college work at RPI and Stevens Institute. The Yacht Club commanded most of Tom's non-academic interest.

Pete was a member of the 38th Infantry Division in World War II and saw considerable action in France. His favorite hobby is to get out on a good fishing trip. He plans on entering sales engineering after graduation.

Steve is one of the most widely traveled men in the class, having seen most of the world during his three years' service as a navigator with the Air Transport Command. He now lives in Metuchen with his wife and baby daughter, and is employed in the engineering department of the Foster Wheeler Corporation.

Lou's humorous problems on the blackboard and column in the TECHNICIAN will long be remembered. He served with the Navy for two and a half years and was married in 1950. Lou's college activities include active membership in the ASME and Pi Tau Sigma. Upon graduation, he plans to enter the teaching profession and continue studies leading to a Doctor of Science.

Ira is an extremely conscientious student with an inquisitive mind and an untriring persistence. He served in the Pacific for three years as a member of the amphibious branch of the Navy. Ira attended Newark Preparatory School before coming to NCE.
Joe served two years in the Army of Occupation in Japan. He was attached to the Mechanized Cavalry Troop of the 25th Division. A good man on the basketball court, Joe was voted to the “All Star” team of the intramural league for his fine play.

John, another one of our night school veterans, saw his service as a Naval aviator in the South Pacific during the war. He plans to continue in his present position in the Planning Engineer’s office at the Public Service after getting his degree.

Tom was born in Woodbridge, but moved to Honolulu in 1937. He attended the University of Hawaii before transferring to NCE. He enjoys water sports such as swimming, boating, and surfing. He is engaged to a nurse, but as yet, no wedding date has been set.

Milt is a rather quiet fellow who was active in intramural sports, especially basketball and bowling. His plans for the future include work in design, and graduate work in the evenings.

Bill has earned his Mechanical Engineering degree after serving five years in the Naval Air Force as a Lieutenant, j. g. He is married, has two children, and attended NCE nights while working for Public Service as an operating engineer in a gas plant.
John A. Scheller

Richard Otto Schmid

During his four years at NCE, "Rich" has compiled an enviable scholastic and extracurricular record. He was well-liked by his classmates and is a living example of the adage: "There is no substitute for hard work." He is planning a career in the management field, and intends to supplement his education with graduate work after a few years' experience in the field.

Ed served in the Navy from 1942 to 1946 as an Aviation Machinist Mate. He spent the majority of his time in the South Pacific specializing in propeller work. Ed's diligence and friendliness combine to make him particularly well-liked by all with whom he comes in contact.

Edward August Schnack

Jack, one of the more sober, yet argumentative students at the college, resides in Maplewood with his wife and two children. He was twice wounded while serving as a rifleman in France and Germany. An honor student, Jack will be remembered for his ability to keep his instructors on the ball.

Ted served two years in the Navy as a medic at Bethesda Naval Hospital in Maryland. He lives in Irvington with his wife and daughter. A quiet, hardworking student, his hobbies are bowling and swimming.

Joseph William Skelly

Joe will be remembered for his sense of humor as evidenced by the parts he undertook in making the Smokers and the Kampus Kapers shows huge successes. After spending two years as an officer in the Air Force, Joe plans to follow a career in sales engineering.

Ted H. Stawski
Kurt is a quiet man who consistently has good marks and a friendly smile. He was graduated from Irvington H. S. and works part-time in the family business. He intends to use his education in his father's machine tool and iron works. During his four years at NCE, he has been very active in intramural sports.

Bill will long be remembered for his untiring efforts in steering the ASME to a successful year. His scholastic ability was rewarded by his election to both Tau Beta Pi and Pi Tau Sigma. He was one of the most serious students in the class and showed this by his keen interest in whatever activities he undertook.

Jim's ready smile and easy-going manner made him popular with his classmates. He was a mainstay of the fencing team and was active in intramural sports. Jim plans to work in production engineering, and to obtain his Master's degree in the evening school.
After graduation from Linden High School, Tom enlisted in the Navy and served from 1946 to 1948 with a dive bomber squadron in the Atlantic. Tom's sincerity and honesty make him a friend to all with whom he comes in contact.

Ed is an extremely likeable fellow whose neatly turned phrases make him a friend to all. His easy manner and innate friendliness illustrate his true personality. He served meritoriously in the Army in Europe during World War II. Ed married during his junior year and is in the process of building his own home.

Dick, a veteran of three years in the Air Force, was noted for his famous saying, "Let's look at this problem in logical order." His tremendous drive on the golf course was carried over to his scholastic activities here at NCE. Dick's interest in athletics also evidences itself by his activity in the intramural bowling and softball.

During the war Bob served three years with the Army Medical Corps in the European Campaign. His ready smile and dependability brought his election as director of the intramural bowling league. Bob's backup ball really drops the pins and it earned him a berth on the varsity bowling team for the last two years. Another of Bob's hobbies is bridge and his skill is evidenced by the possession of 0.14 master points.

Bob's keen wit and industriousness won for him much popularity among his classmates. The tales of his trip to California to attend a national Arnold Air Society meeting were always good for a few laughs. The offices that Bob held in several of the organizations to which he belonged indicate the quality of leadership he possesses.
John Joseph Woods

Charlie actively participated in several of the sports programs of the college and held offices in the ASME Yacht Club, and Chess Club. In his sophomore and junior years he received Varsity Rifle Team letters. Because Charlie is a member of the ROTC, he will receive a commission as a Second Lieutenant in the Air Force.

While at NCE John worked part-time, but this did not hinder him in his scholastic ability. His pleasant attitude and helpfulness make him an asset to any organization to which he belongs. These qualities, coupled with his sincerity, are sure to aid him in his future endeavors.

Charles Elmer Wilson

While at NCE John worked part-time, but this did not hinder him in his scholastic ability. His pleasant attitude and helpfulness make him an asset to any organization to which he belongs. These qualities, coupled with his sincerity, are sure to aid him in his future endeavors.

Paul Albert Witting

Paul, who was graduated from Lyndhurst High School, now lives in Rutherford with his wife and three children. He is a persevering fellow who managed to complete his college training in the evenings while working as assistant plant engineer for Trubek Laboratories.

Robert Gordon Woodnorth

Bob will be remembered by all because of his unique method of daily transportation—motorcycle. His deftness with a pencil is illustrated by his frequent cartoon contributions to the CADET. Bob is a member of the Air Force ROTC, and will be commissioned a Second Lieutenant after graduation.

Wally was born and lived in the Ukraine until after he finished high school in Salzburg, Austria. He continued his studies in New York before coming across the Hudson to NCE. Wally plans to work for his Master's in mechanical engineering, and intends to follow a career in aircraft work.

Walter Wolowodiuk
Charles C. Beyer
Charley, the father of two children, served as a Lieutenant in the U. S. Navy for four years. His engineering training during this time and his present job as an estimator has indicated a career in building construction.

William George Bodeman
Bill was born in Brooklyn and later moved to Jersey City, where he attended Dickinson High School. Bill is employed by the Keuffel and Esser Company as a plant engineer. He plans to become a project engineer upon graduation.

Morton Burstyn
Mort was born in Weehawken and attended Emerson High School in Union City. He is married and is the father of two boys. Mort has been doing design work for the past two years and intends to do production engineering after graduation.

Alfred Gerald DeMenna
Al served with the U. S. Army from 1946 to 1948 after being graduated from Central High School. He completed his education at night while employed as a draftsman at the Worthington Corporation.

Donald Harold Gately
Don is one of our married night school classmates. He served with the U. S. Air Force for three years prior to his entrance into NCE. He is currently employed as a production engineer by Curtiss-Wright Corp. in Caldwell.

Richard Frederick Johnson
Dick is one of the happiest fellows in the class. His ever ready laugh could be heard almost any time in the commons where he was either playing table tennis or bridge. Dick plans to work in sales engineering after graduation.

Nicholas Karnoutsos
Nick has received his education the hard way, completing both high school and college at night. Service with the U. S. Navy during the war interrupted his employment as a mechanical engineer in the Oil Refinery and Chemical Plant Design field.

John Calvin Kievit
John is a very easy-going fellow but his easy manner belies his capacity for getting work done. He plans to enter the industrial management field upon graduation to use his management option training. John is known to hold the record for number of hours slept in class.

William David Leeds
Bill is a carefree, jovial person with a philosophy that can be summed up "Don't worry." His down-to-earth reasoning is truly refreshing. A married man, Bill is a transfer from the University of Virginia.

James A. McGinty
Jim served in France and Belgium in the war as a member of the 303rd Signal Operations Battalion. Married, with three children, Jim is employed by Manufacturers Design Service in Fairlawn as an engineer in the production field.

Edward Charles Pohlmann, Jr.
Ed, one of our more quiet Mechanics, came to us from East Orange High. An outside job took much of his time while studying here at NCE. His varied taste in cars and great knowledge of them will aid him in the automotive design field.

Brandon B. Pusey
Brandon, another one of our night school veteran, served in France, Holland, Belgium, and Germany with the 84th Infantry Division. Presently employed at the Bakelite Company, he is planning graduate work at NCE for his Master's degree.

John J. Walsh, Jr.
John, a veteran of the European Theater of Operations, served with the Army Signal Corps. A job in design and production engineering at Airtron Inc. in Linden during the day combined with college studies at night has kept his spare time to a minimum. John is married and is the father of two children.

Allan Roy Wandelt
Al is a graduate of Cranford High School, is married, and is quite proud of his son. He hopes to specialize in design and has already made plans to start on his Master's degree.
WALTER ACKERMANN
175 EASTERN PARKWAY
NEWARK, N. J.
ASME, Class Council; TECHNICIAN,
Exchange Editor; Intramural
Basketball; Newman Club,
President

WILLIAM G. BODEMAN
362 DELAWARE AVENUE
UNION, N. J.
ASME.

RALPH J. CHRONE
13 PROSPECT PLACE
KEARNY, N. J.
Arnold Air Society; ASME;
Intramural and Interfraternity
Basketball; Alpha Phi Delta.

WILLIAM H. BACHMAN
1012 KILSYTH ROAD
ELIZABETH, N. J.
ASME; Nucleus, Clubs Editor;
Varsity Basketball; Bridge Club.

ELLSWORTH M. BROWN
339 WINFIELD TERRACE
UNION, N. J.
ASME; Class Council; Intramural
Softball, Basketball, Bowling;
Pi Kappa Phi; Rifle Club.

ALAN W. COLES
12 RIDGEVIEW AVENUE
WEST ORANGE, N. J.
ASME; Varsity Basketball; J. V.
Basketball; Bridge Club.

ROBERT T. BANFIELD
BURLINGTON AVENUE
LEONARDO, N. J.
ASME, Vice President; Intramural
Basketball, Softball; Yacht Club,
Commodore, Treasurer; Extra
Sensory Perception Club

CHARLES K. BROWNE
96 NESBIT TERRACE
IRVINGTON, N. J.
ASME; Technician.

JAMES W. COOK
13 SOUTH HAWTHORNE LANE
NEWARK, N. J
ASME.

ANTHONY S. BARBERA
140 NEW YORK AVENUE
JERSEY CITY, N. J.
ASME; SAM; Freshman Class,
Chairman; Intramural Bowling,
Softball.

MORTON BURSTYN
405 SOUTH FIRST AVENUE
HIGHLAND PARK, N. J.
ASME.

DONALD E. COSTA
607 FOREST STREET
ORANGE, N. J.
Arnold Air Society; ASME; SAM;
TECHNICIAN; CADET, Assistant
Editor; Alpha Phi Delta; Rifle Club.

HERBERT E. BENNES
1435 CARLSON DRIVE
UNION, N. J.
Honors Option; Tau Beta Pi;
Omicron Delta Kappa; Pi Tau Sigma;
Arnold Air Society; ASME; Junior
Class, President, Vice President;
NUCLEUS; TECHNICIAN; CADET,
Editor; Rifle Team; Intramural
Bowling, Softball.

JAMES F. CAMPBELL, JR.
33 DAWSON STREET
BELLEVILLE, N. J.
Pi Delta Epsilon, President; ASME;
Class Council; NUCLEUS, Features
Editor; TECHNICIAN, Associate
Editor; ET CETERA, Editor; Pi
Kappa Phi; Extra Sensory Perception
Club, Secretary-Treasurer.

RICHARD M. CRITTENDEN
156 CLINTON PLACE
HACKENSACK, N. J.
ASME; Junior Class, Treasurer;
Fencing Team, Manager, Invitational
Tournament Director; Intramural
Bowling; Dance Club; Bridge Club;
Glee Club, President.

HUGH J. BENNETT
254 DEWITT AVENUE
BELLEVILLE, N. J.
Pi Tau Sigma; ASME; SAM.
Corresponding Secretary.

EUGENE T. DAUM
35 WASHINGTON PLACE
MORRISTOWN, N. J.
ASME; Class Council; NUCLEUS,
Intramural Basketball, Bowling;
Pi Kappa Phi; Bridge Club.

CARL W. DE FILIPPIS JR.
54 FITZRANDOLPH ROAD
WEST ORANGE, N. J.
ASME, Intramural Basketball,
Softball; Interfraternity Basketball,
Alpha Phi Delta; IFC, Secretary,
Treasurer.

LEONARDO A. CATALANO
170 GROVE TERRACE
NEWARK, N. J.
ASME, Intramural Bowling, Softball.
LOUIS A. DeMARCO  
290 GARSIDE STREET  
NEWARK, N. J.  
ASME; Alpha Phi Delta.

ANTHONY L. FerRENTINO  
217 WARREN STREET  
BROOKLYN, N. Y.  
ASME.

DONALD B. HalSTEAD  
10 NASSAU PLACE  
EAST ORANGE, N. J.  
Pi Tau Sigma, Vice President;  
Arnold Air Society; ASME; SAM;  
CADET, News Editor; Varsity  
Basketball, Baseball; Intramural  
Softball; Rifle Club; Dance Club.

ALFRED G. DeMENNA  
26 JEFFERSON STREET  
BELLEVILLE, N. J.  
ASME.

ROBERT J. Fritz  
16 CONRAD TERRACE  
DOVER, N. J.  
Arnold Air Society, Treasurer; SAM;  
J. V. Basketball; Intramural  
Basketball.

ROBERT S. HAiTTERLY  
127 WASHINGTON STREET  
WESTFIELD, N. J.  
Omicron Delta Kappa, President;  
Pi Delta Epsilon, Vice President;  
Tau Beta Pi, Recording Secretary;  
ASME; TECHNICIAN, Editor;  
Sigma Pi, President; I.F.C.,  
Secretary, Treasurer.

ARTHUR P. DiGioVINE  
296 DANFORTH AVENUE  
JERSEY CITY, N. J.  
ASME; Intramural Bowling.

GEORGE L. Fuchs  
11 HILLCREST ROAD  
CALDWELL, N. J.  
ASME; Sigma Pi.

LEROY S. HAYWARD  
25 SANDER STREET  
MORRIS PLAINS, N. J.  
ASME.

SALVATORE J. DiPAolo  
203 BLOOMFIELD AVENUE  
BLOOMFIELD, N. J.  
Tau Beta Pi; Pi Tau Sigma,  
Corresponding Secretary; Honors  
Option; SAM, Corresponding  
Secretary; Class Council, Secretary;  
Intramural Basketball, Bowling;  
Golf Club.

LOUIS A. HubER  
199 GARSIDE STREET  
NEWARK, N. J.  
Pi Delta Epsilon; SAM, Vice  
President; ASME; Class Council;  
NUCLEUS, Editor; Intramural  
Basketball, Bowling, Softball;  
Glee Club.

DONALD H. Gately  
85 NORTH SEVENTH STREET  
NEWARK, N. J.  
ASME.

GEORGE Dzugan  
140 INSLEE PLACE  
ELIZABETH, N. J.  
ASME.

JOHN R. Goetz  
502 ELLEN STREET  
UNION, N. J.  
ASME; Student Services; Intramural  
Basketball, Softball, Bowling.

ARnOLD L. GioVannioli  
1206 WILLOW AVENUE  
HOBOKEN, N. J.  
ASME, Treasurer; NUCLEUS;  
Varsity Basketball; Alpha Phi Delta,  
President, Vice-President.

ROBERT S. JOckELe  
56 ARSdale TERRACE  
EAST ORANGE, N. J.  
ASME; Student Council, Treasurer;  
Senior Class, Treasurer; Intramural  
Basketball, Bowling; Phi Beta Tau,  
President, Treasurer; Newman Club.

KENNETH P. Doerseln  
444 EAST THIRTY-SIXTH STREET  
PATERSON, N. J.  
ASME; Intramural Bowling;  
Bridge Club.

DONALD B. HalSTEAD  
10 NASSAU PLACE  
EAST ORANGE, N. J.  
Pi Tau Sigma, Vice President;  
Arnold Air Society; ASME; SAM;  
CADET, News Editor; Varsity  
Basketball, Baseball; Intramural  
Softball; Rifle Club; Dance Club.

ROBERT J. Fritz  
16 CONRAD TERRACE  
DOVER, N. J.  
Arnold Air Society, Treasurer; SAM;  
J. V. Basketball; Intramural  
Basketball.

ROBERT S. HATTERLY  
127 WASHINGTON STREET  
WESTFIELD, N. J.  
Omicron Delta Kappa, President;  
Pi Delta Epsilon, Vice President;  
Tau Beta Pi, Recording Secretary;  
ASME; TECHNICIAN, Editor;  
Sigma Pi, President; I.F.C.,  
Secretary, Treasurer.

LOUIS A. HubER  
199 GARSIDE STREET  
NEWARK, N. J.  
Pi Delta Epsilon; SAM, Vice  
President; ASME; Class Council;  
NUCLEUS, Editor; Intramural  
Basketball, Bowling, Softball;  
Glee Club.

LEROY S. HAYWARD  
25 SANDER STREET  
MORRIS PLAINS, N. J.  
ASME.

DURWARD I. HULBERT  
22 LAFAYETTE AVENUE  
SUMMIT, N. J.  
ASME; Class Council; NUCLEUS,  
Associate Editor; Intramural  
Softball, Bowling.

ROBERT L. JockEL  
56 ARSdale TERRACE  
EAST ORANGE, N. J.  
ASME; Student Council, Treasurer;  
Senior Class, Treasurer; Intramural  
Basketball, Bowling; Phi Beta Tau,  
President, Treasurer; Newman Club.

NATHAN JOHNSON  
740 Eaton STREET  
ELIZABETH, N. J.  
ASME; Varsity Basketball;  
Intramural Softball.
RICHARD JOHNSON
217 WASHINGTON AVENUE
WESTWOOD, N. J.
ASME; Class Council; NUCLEUS; Intramural Basketball, Softball, Bowling; Bridge Club; Table Tennis Club, Vice President.

JOHN S. KOUTOZAKIS
23 GASTON STREET
WEST ORANGE, N. J.
Pi Tau Sigma, President; Arnold Air Society; Omicron Delta Kappa; ASME; NUCLEUS.

FRANK J. MACKIEWICZ
12 WILLOW AVENUE
FANWOOD, N. J.
ASME; Intramural Bowling.

WILLIAM A. KAEPERNIK
528 AMBOY AVENUE
WOODBRIDGE, N. J.
Tau Beta Pi; Pi Tau Sigma; ASME; Intramural Basketball, Bowling; Bridge Club, Treasurer.

JOHN C. KOZIELEC
334 WEST MAPLE AVENUE
BOUND BROOK, N. J.
ASME; Intramural Softball.

WALTER C. MAIER
57 MAIN TERRACE
BLOOMFIELD, N. J.
ASME, Intramural Basketball.

STANLEY J. KALINOWSKI
80 SUSQUEHANNA AVENUE
ROCHELLE PARK, N. J.
ASME.

JOHN P. MALETTA
270 TRENTON AVENUE
PATERSON, N. J.
ASME; Alpha Phi Delta, Corresponding Secretary.

FRANK G. KAMOWSKI
593 PARK AVENUE
EAST ORANGE, N. J.
ASME.

BERNARD MANSBACH
2510 AUDREY TERRACE
UNION, N. J.
Arnold Air Society; Pi Tau Sigma; ASME, Program Chairman; Varsity Rifle Team; Rifle Club, President, Secretary.

NICHOLAS KARNOUSOS
205 BELFORD AVENUE
RUTHERFORD, N. J.
ASME.

JAMES A. MCGINTY
229 HILLSIDE AVENUE
HILLSIDE, N. J.
ASME.

ANTHONY G. MALETTA
270 TRENTON AVENUE
PATERSON, N. J.
ASME; Alpha Phi Delta, Corresponding Secretary.

EDWARD R. KESSLER
65 TWELFTH AVENUE
PATERSON, N. J.
ASME; Student Council; Class Council; Intramural Basketball.

ARTHUR C. LEISER
18 HUDSON AVENUE
MAPLEWOOD, N. J.
ASME; Rifle Club, Vice President.

ROGER E. MEDLIN
81 BRYANT AVENUE
SPRINGFIELD, N. J.
Arnold Air Society, Public Information Officer; ASME; TECHNICIAN; CADET, Art Editor; Intramural Softball; Alpha Sigma Phi, Treasurer; Dance Club.

JOHN C. KIEVIT
148 LUDINGTON AVENUE
CLIFTON, N. J.
SAM; Intramural Basketball.

HOWARD N. LUNIN
34 CLINTON PLACE
NEWARK, N. J.
Omicron Delta Kappa; Pi Tau Sigma; SAM; ASME; Student Council, Treasurer; Class Council; NUCLEUS, Advertising Manager; Bridge Club, Dance Club, President.

JOHN A. MINCHAK
1-21 THIRTY-FOURTH STREET
FAIR LAWN, N. J.
ASME; NUCLEUS; Intramural Basketball, Softball.
<table>
<thead>
<tr>
<th>Name</th>
<th>Address</th>
<th>Clubs and Activities</th>
</tr>
</thead>
<tbody>
<tr>
<td>Warren G. Mirshak</td>
<td>301 East McFarland Street, Dover, N.J.</td>
<td>SAM; ASME.</td>
</tr>
<tr>
<td>Samuel H. Moyer</td>
<td>128 High Street, South Bound Brook, N.J.</td>
<td>SAM; ASME; Treasurer.</td>
</tr>
<tr>
<td>Harold Q. Norris</td>
<td>140 Sylvan Street, Rutherford, N.J.</td>
<td>ASME.</td>
</tr>
<tr>
<td>Harold J. Novick</td>
<td>1408 Eighty-Fifth Street, North Bergen, N.J.</td>
<td>ASME; Varsity Basketball; Intramural Softball, Bowling, Badminton Director; Pi Kappa Phi; Fishing Club, President.</td>
</tr>
<tr>
<td>Christopher E. Nugent</td>
<td>110 Pine Grove Terrace, Newark, N.J.</td>
<td>Pi Tau Sigma; ASME; NUCLEUS, Department Editor; TECHNICIAN; Intramural Basketball, Softball.</td>
</tr>
<tr>
<td>John E. Olsson</td>
<td>42 John Street, Passaic, N.J.</td>
<td>ASME.</td>
</tr>
<tr>
<td>Donald Perlmutter</td>
<td>1571 Wainwright Street, Hillside, N.J.</td>
<td>ASME; Class Council; NUCLEUS; Intramural Basketball, Softball.</td>
</tr>
<tr>
<td>Andrew Peterson</td>
<td>45 Sunset Terrace, Packanackack Lake, N.J.</td>
<td>ASME.</td>
</tr>
<tr>
<td>Thomas E. Philips</td>
<td>664 Shaler Boulevard, Ridgefield, N.J.</td>
<td>ASME; Yacht Club.</td>
</tr>
<tr>
<td>John E. Ring</td>
<td>123 Hillside Avenue, Chatham, N.J.</td>
<td>ASME.</td>
</tr>
<tr>
<td>Edward Pohlman</td>
<td>35 North Sixteenth Street, East Orange, N.J.</td>
<td>Pi Tau Sigma; ASME.</td>
</tr>
<tr>
<td>Stephen E. Pollak</td>
<td>4B3 Redfield Drive, Metuchen, N.J.</td>
<td>ASME.</td>
</tr>
<tr>
<td>Louis D. Pompliano</td>
<td>29 Loomis Street, Elizabeth, N.J.</td>
<td>Pi Tau Sigma; ASME; TECHNICIAN; NUCLEUS, Honor Societies Editor, Intramural Softball.</td>
</tr>
<tr>
<td>Milton Rowan</td>
<td>833 Pennington Street, Elizabeth, N.J.</td>
<td>ASME; Intramural Basketball, Bowling; Chess Club.</td>
</tr>
<tr>
<td>John A. Scheller</td>
<td>150 Tuscan Road, Maplewood, N.J.</td>
<td>ASME.</td>
</tr>
<tr>
<td>Ira M. Poss</td>
<td>71 Forest Avenue, Hawthorne, N.J.</td>
<td>ASME; Student Council; Intramural Bowling.</td>
</tr>
<tr>
<td>Richard O. Schmid</td>
<td>379 Washington Avenue, Union, N.J.</td>
<td>Pi Tau Sigma; ASME; SAM, Registration Chairman; TECHNICIAN; NUCLEUS; Intramural Basketball, Softball; Rifle Club; Dance Club.</td>
</tr>
</tbody>
</table>
EDWARD A. SCHNACK  
61 WILLOW STREET 
BLOOMFIELD, N. J.  
ASME.

HARRY I. TABANKIN  
76 SUMMIT AVENUE 
NEWARK, N. J.  
SAM, Membership Chairman; Varsity Fencing, Captain; Intramural Basketball, Bowling, Softball Tau Delta Phi, Vice Consul.

ROBERT O. WEIDENMULLER  
856 GARRISON AVENUE 
TEANECK, N. J.  
Arnold Air Society, Commanding Officer; ASME; TECHNICIAN; Varsity Rifle Team; JV Baseball; Intramural Basketball, Softball; AA; ICC; Rifle Club

JOSEPH W. SKELLY  
193 CHADWICK AVENUE 
NEWARK, N. J.  
Arnold Air Society; SAM; Class Council; CADET; Intramural Basketball; Dance Club; Kampus Kapers

EDWARD A. TEREPIKA  
A-14 FRANKLIN GARDENS 
CLIFTON, N. J.  
ASME; Intramural Bowling, Softball.

CHARLES E. WILSON  
136 HOWE AVENUE 
NUTLEY, N. J.  
ASME, Corresponding Secretary; Rifle Team; Yacht Club, Commodore; Chess Club, Secretary, Treasurer; Dance Club.

TED H. STAWSKI  
523 S. TWENTY-FIRST STREET 
IRVINGTON, N. J.  
ASME; Intramural Bowling.

THOMAS R. TRACEY  
536 GRIER AVENUE 
ELIZABETH, N. J.  
Representative (Lehigh University).

PAUL A. WITTING  
229 WOODWARD AVENUE 
RUTHERFORD, N. J.  
ASME; Class Secretary, (NTS).

KURT M. STRINY  
458 S. TWENTY-FIRST STREET 
IRVINGTON, N. J.  
ASME; Intramural Basketball, Bowling, Softball.

RICHARD P. VAICONIS  
721 DIVISION AVENUE 
CRANFORD, N. J.  
ASME; Intramural Bowling, Softball; Golf Club.

WALTER WOLOWODIUK  
238 EAST SECOND STREET 
NEW YORK, N. Y.  
Pi Tau Sigma; ASME; Metropolitan Council Representative; Varsity Soccer; Ping Pong Club.

WILLIAM J. STURM  
2115 MELROSE PARKWAY 
UNION, N. J.  
Tau Beta Pi; Pi Tau Sigma, Recording Secretary; ASME, President; Intramural Basketball, Softball; Pi Kappa Phi, Warden.

ROBERT L. WACHTLER  
50 VAN WINKLE AVENUE 
PASAIIC, N. J.  
ASME; NUCLEUS; Varsity Bowling; Intramural Bowling, Director; Bridge Club.

ROBERT G. WOODNORTH  
328 ACADEMY STREET 
SOUTH ORANGE, N. J.  
Arnold Air Society; ASME; CADET; Dance Club; Yacht Club.

JAMES R. SULLIVAN  
807 S. SEVENTEENTH STREET 
NEWARK, N. J.  
ASME; AA, Secretary; Varsity Fencing; Intramural Basketball, Bowling; Pi Kappa Phi.

JOHN J. WALSH, JR.  
526 MAPLE AVENUE 
ELIZABETH, N. J.  
ASME.

JOHN J. WOODS  
34 North Jefferson Street 
Orange, N. J.  
ASME; NUCLEUS; Intramural Bowling, Softball.

CHARLES V. SWEET  
53 KEMPSHALL TERRACE 
FANWOOD N. J.  
SAM; Varsity Baseball, Captain; Intramural Basketball; Bridge Club.

ALLAN R. WANDELT  
55 ELIZABETH AVENUE 
CRANFORD, N. J.  
ASME.
Non-Professional Departments
English

Warren H. Crater
Herman A. Estrin
Frederick P. Fernsler
Edward F. Johnson
Nelson C. Keables
James L. Lubin
Theodore Mackiw
John T. Shawcross
Henry E. Vittum

James H. Pitman, Chairman
Management & Personnel

Allan R. Cullimore, Chairman

- Paul L. Cambreleng
- Howard L. Davis
- Galen T. Goewey
- Irving R. Goldstein
- James W. Hicks
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- Gordon G. Holbrook
- William T. Jaffee
- Robert E. Kiehl
- Leonard Noyes
- Oliver J. Sizelove
- Clarence H. Stephans
- Henry W. Strong
Chemistry

Frederick W. Bauder
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Phoebus M. Christopher
Joseph M. Fitzgerald, Jr.
Paul M. Giesy
Robert G. Poetz
Gerson L. Ram
Thomas J. Tully

M. Lelyn Branin, Chairman
Paul O. Hoffman, Chairman

Carl V. Bertsch
Thomas J. Blisard
Achille Capacelatro
Charles H. Duursema
David Epstein
Hans Freistadt
Arnold M. Gallub
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Bernard A. Greenbaum
Bernard T. Kingery
Marcus N. Mainardi
Paul E. Nielsen
Irving P. Orens
Eivind G. F. Ramberg
Monroe R. Weller
Irving Zinnes
Mathematics

Herbert Barkan
James H. Fithian
A. E. Foster
Robert K. Haubner
Carl Konove
Pompey Mainardi
Edward C. Molina
Edgar P. Virene
Harold P. Wasson

George C. Vedova, Chairman
Engineering Drawing

DAVID E. DAVIS, Chairman

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Rudolph J. Klem
Robert G. Salamon
Robert Widdop
Major Frank F. Tenney
Capt. Abraham R. Baum
Capt. Louis J. Minella
Capt. Frank O. Rindom, Jr.
M/Sgt. Thomas C. Barrett
M/Sgt. Joseph P. Bitz
M/Sgt. William J. Lynch
M/Sgt. Joseph W. Schubert
T/Sgt. George F. Miller

Lt. Col. David B. Tudor
WESTON HALL — the hub of college activities with the student records, the bookstore, the library, and the Commons, where the students congregated for lunch, bridge, and table tennis.

Through these doors pass the better engineers and executives of tomorrow.

EBERHARDT HALL — which houses the school's executive and financial offices, the cafeteria, and NCE's famous “Humanities” program which guided us from entry into college until final placement in engineering positions.
The members of the year's council shouldered the responsibilities of their office with a matureness that bespoke experience in student affairs. The Council laid plans to accomplish its set task of procuring funds for the student activity program, sponsoring welfare collections for the United Appeals and Negro College Fund, co-sponsoring a blood donation drive for the Armed Forces with the ROTC, and planning student convocations which were beneficial both educationally and professionally.
With an eye to the future, the Council initiated action on a constructive plan of organization that would improve the student programs in athletics, education, and social affairs. In setting up a basic procedure in student government for all organizations the council stressed the importance of records of what had been done. By accumulating data in a new central file system, located in the new Student Council Offices, an invaluable source of information will be at the disposal of those who follow our footsteps in Council work. They will benefit from our mistakes, and therefore be able to contribute to the progress and co-ordination of NCE student programs.

On the lighter side, this year's Council sponsored the second annual all-college show, where the students and faculty got together to exhibit their talents.

We hope we have a set a good foundation upon which future students can continue to build and strengthen to make NCE even more outstanding than it is.

**OFFICERS**

*President*

THOMAS J. BRENNAN

*Vice President*

RAYMOND W. LLOYD

*Treasurer*

HOWARD LUNIN

*Secretary*

RAYMOND PASS

*Corresponding Secretary*

CYNTHIA KILEY
The aim of the Student Services Committee is to increase and develop the students' social and cultural interests. This committee provides, to any student who possesses a student council card, ticket procurement and information on current Broadway shows, sports events, concerts, radio and television broadcasts, and other attractions. In addition, the committee distributes a list of local merchants who offer a discount to student council card holders. A list of New York restaurants with information as to location and prices is also available.

The committee operates from a booth in the commons which is open every day during lunch hours. This year, Alpha Phi Omega, the national service fraternity, volunteered its service to operate the booth. This gave the committee members more time to investigate the possibility of increasing the number of services available.
All of us were determined to be world-beaters when we set out on our college careers. Remember the huge package of books we received freshman year? Some of us felt almost like quitting then. But for those who stayed, everything was so strange: the chemistry experiments that should have worked but didn’t; the physics experiments that had to be finagled to get results, the first trip into an engineering drawing class revealed the A202CA2 trace on an A2 plane, and who can forget those speeches and themes in English class? Probably the best remembered thing of all during our freshman year were those stirring P of E lectures in that inspiring lecture room, the gym. Our officers for that year labored zealously: President, Charley Lubetkin; Vice President, Herb Beebe; Secretary, Mary Purvis; and Treasurer, Chiriaco Maffia. The class lost money on its social events, but those who attended them enjoyed themselves immensely.

OFFICERS
JOHN McCARRY
President
KENNETH GEIGER
Vice President
JOSEPH DI PAOLO
Secretary
ROBERT JOCKEL
Treasurer
ROBERT K. HAUBNER
Adviser
JAMES L. LUBIN
Before we realized it, we were Sophomores, and some of our friends were no longer with us. We really threw ourselves into the new courses: the iron phase diagram in qualitative analysis lectures had us reeling from the start, and how about qual. lab?, running every test on the alloy to find only Group II metals in it. The crazy circuit diagrams in electricity and those huge English reports were really the payoff.

The Smoker that year was a smash hit with Tom Brennan, Nunzio Cappadonna, and all the others performing splendidly. The Square Dance at the Evergreen Lodge proved to be a tremendous success, as were many of the other social affairs so ably guided by President Tom Brennan, Vice President Herb Beebe, Secretary Marvy Purvis, and Treasurer Willie Kafenbaum.

Our entrance into the Senior Division was marked by more reports that came in assorted shapes, length, thicknesses, and subject matter. Most of us were envious of the “lucky” Civils going out to play softball on those nice Spring days. The Smoker and the Square Dance again attracted large crowds. Although a snow and ice storm caused many to miss the Military Ball held at the Swiss Chalet, Rochelle Park; those fortunate enough to attend really had a wonderful time. The “Hatchet Hop” was a big success, being held in the spacious confines of Campbell Hall Gymnasium. Presented for the first time, “Kampus Kapers” gave us all an indication of the wonderful talent in humor, music, and dancing to be found among the students and faculty of our college. The Junior Prom at the Crestmont Country Club will be remembered for many years to come. With Vice President Herb Bennes assuming the President’s office for Red Andrae at half term and with Jack McGarry as Secretary and Dick Crittenden as Treasurer, the term came to a successful conclusion with our Moonlight Cruise up the Hudson.
At long last — Seniors! The mad scramble to get the Nucleus write-ups finished, have our pictures taken, and do our homework made the time pass so much faster. The hayride in the autumn and the informal dance at the Hotel Douglas were soon just pleasant memories. Before long mid-term was upon us with the passing of another Square Dance. The second semester was spent trying to decide upon which one of the many jobs we would take. Under the guidance of Jack McGarry, President; Ken Geiger, Vice President; Joe DiPaolo, Secretary; and Bob Jockel, Treasurer; we rounded out our years of college on Class Night. The Grad Dance then came followed by graduation at last! Our last fling together was another Moonlight Cruise up the Hudson. And then, just as suddenly as it all begun, it was all over!

Some of the things which will remain in our minds for years to come; the lovely female voices drifting up from Central High School; instructors competing with garbage collectors outside; the huge increase in co-ed population; the mad rush to meet deadlines for school publications; Class Council and Student Council meetings, where planning went on for the school; sports teams working together to have a successful season; the ping-pong games at noon-time; the basketball games; the fraternity meetings; and the intramural games.

All these recollections assure us that NCE is the greatest of all engineering colleges.

**OFFICERS**

President ................................................. JOHN McGARRY
Vice President ........................................... KENNETH GEIGER
Secretary .................................................. JOSEPH DiPAOLO
Treasurer ................................................... ROBERT JOCKEL
Adviser ..................................................... ROBERT K. HAUBNER
                                       JAMES L. LUBIN
My Final Hour

The theater lights are dimmed, the stage is a mass of changing color; black capped-and-gowned figures decorated with vari-colored hoods of green, gold, white, blue, and red move in the brilliant light of ritual. For all of the bustle and seeming confusion there is a strange quiet in the air. The black figures on the stage shush each other and talk in whispers as names are called with all the pomp of a coronation ceremony. The audience is quiet too, each individual afraid lest that one all-important name be missed. In front of the stage is another group of capped-and-gowned figures; they are silent and thoughtful, with an agonizing hush of expectancy seeming to cover them like a blanket. Their expectancy is poignant because it changes to exultation when the last few steps are taken, and that precious piece of paper is safely in hand. But they must wait endless minutes in their seats, then an unendurable time in line to reach the stage, and at last the hood is in place about their shoulders and they walk to the podium.

What of the group before the stage?, each individual there feels that he is alone and for a moment believes that the entire pageant was prepared for him alone. I was such a one as this — as were you — waiting for my name to be called. So many conflicting thoughts were running through my mind that I soon forgot the ceremony above me on the stage, and thought of what college had been to me . . . just what had it been? classes and homework mostly, with a touch of professoritus (nothing serious), and just a bit of recreation. In the classes the homework was assigned with the Godly admonition, “My will be done!”, so that too many nights the light on my desk burned brightly long after the rest of the house was dark — “ah, but no more”, I sit back and sigh, “the work is over, the light will burn no more, I am finished!”
But am I? . . . the picture in my mind of open books and burning light recalls that my studying was usually far from perfect. How can I be through studying if all the work I did was not right?, I have a lot of re-studying to do, and a lot yet to learn. Many a time I literally spent hours on a single problem or point. Not because I was stupid, but simply because I would not see. I can close my eyes and see myself hunching over the cluttered desk working; and then, the unutterable frustration of it! I who sat in class while the professor explained the theory, who read the book and understood — now stymied by a word configuration, a twisting of digits. After a hour of silent fuming my impulse was to crush; to maim. I wanted to rip the pages from the book — “Damn it anyway! why did I ever want to be an engineer?” I wanted to stand and scream, “Hell, I can’t even do a problem.” I never quite gave way though, if I had, the only institution I’d have graduated from would be mental. Finally I would calm myself and try again — whether I got discouraged or found a solution to the problem it made no difference. In either case the books were closed, the light went out, and I could go to sleep.

With a start I became aware that I was in the theater. Guiltily, I looked around — no one was watching me so I must have given no sign of my violent problem solving. Without effort I slipped back into my reverie and wondered again; why did I every choose engineering.

I think if someone stopped me on the street and asked; “Why are you an engineer?” I would probably answer, “A buck is a buck” or some such, but my real reason is far from that. It isn’t written in any book, nor has anyone said it in so many words; but anyway . . . it has to do with the unbelievable wonder of two gears meshing, of a teterogeneous mas hurtling through the air at the speed of sound, of nuts and bolts and shafts and wheels — fitted and cajoled into a smoothly operating mechanism, of a light that burns or a picture on a television screen, or a bridge that stands or a dam that holds . . . well, my row is going up now . . . I’m almost sorry that the whole business is ending so quietly; everyone shuffles slowly to the stage, appears for one brief minute in the glare of the lights, and then fades out of the lives of his classmates.

Without mishap I arrive at the edge of the curtain, sure but nervous hands slip the hood round my neck — whispered instructions, “walk slowly, don’t trip, wait now . . .” I stand there poised — and then . . . MY NAME! The lights are brighter than I thought as I walk acro . . . “oops, damn clumsy fool, tripped over my gown!” A moist and tired hand limply pumps mine. I take my piece of paper —

I’ll never know how I got back to my seat; probably tripped over my gown a dozen times — who cares! I MADE IT . . .

Sitting quietly in my seat I think again of the books, the brightly-lit desk, problems, professors, labs and quizzes, and . . . the guy next to me leans over and whispers, “Well, we made it!” I just smile at him, but inside I’m yelling, “Amen brother, we made it!” (JFC)
Close on the heels of our first Staff Control Report came the Class Smoker and, although pressed for time, the class presented one of its best performances. Our square dance was held December 12 at Farcher’s Grove in Union, and the high spot of the year was the Junior Prom which was held in April. The social year closed in June with the traditional NCE boat ride up the Hudson.

Looking into the Senior year one can see many things, some pleasant, some not so pleasant; yearbooks, class rings and — more homework.

OFFICERS

President
ALBERT KING
Vice President
LOUIS ZAMARRA
Corresponding Secretary
STEPHEN SCRUPSKI
Recording Secretary
CHARLES JASPER
Treasurer
ROGER KREH
Adviser
JOHN T. SHAWCROSS
The Class of 1955 was organized in the fall of the 1951-52 school year under the direction of Professor Estrin. With his assistance and that of the council members, the class ran a successful “St. Patrick’s Day Dance” in the Campbell Hall Gym. The next social event was the New York Class trip during Spring Recess when groups of students attended plays, toured museums, and “discovered” cafes. With two successful activities to its credit, the council planned a picnic at Forest Hill Lodge in May; but rainy weather kept the less hearty at home.

Mr. Swanson, of physical education fame, became our advisor at the beginning of this year. The council under the direction of President Marchese ran a dance and a smoker late in the school year.

OFFICERS
President
RICHARD A. MARCHESE
Vice President
RICHARD GAAL
Treasurer
DAN POLIS
Secretary
CYNTHIA KILEY
Adviser
ROBERT E. SWANSON
After only a few weeks at NCE we chose our council officers. With the largest vote recorded for a freshman class to date we elected councilmen with leadership experience in high school.

An innovation for freshman was our class’ participation in the Parents’ Night Program. At this affair the officers and councilmen presented speeches and served as hosts.

The activities of this year were varied so that all members could participate in and enjoy them. An informal dance, square dance, picnic, and a class trip to New York City were among the affairs which the class sponsored.

OFFICERS

President
ARTHUR NEBIKER
Vice President
RUSSELL TAGLIARENI
Treasurer
JAMES STRUBEL
Recording Secretary
FRANK STRUBEL
Corresponding Secretary
FRANCES SAUCHELLI
Adviser
PROFESSOR HERMAN A. ESTRIN
The staff would like to thank Mr. Shawcross for his untiring efforts in behalf of this yearbook.
The TECHNICIAN is the official newspaper of the Newark College of Engineering and is sponsored by the Student Council. The paper is produced solely by the student body with emphasis on giving as varied a coverage of both news and features as possible.

For many years a monthly, the TECHNICIAN became a bi-monthly publication early in October, 1952. The extra editions afforded the students more opportunity to keep abreast of student and college activities.

Always a newspaper that crusades for the welfare of the student body, the TECHNICIAN brings to them the sense of responsibility, awareness of ethics, and the attitude that constitutes professionalism. And, as the years go by, the TECHNICIAN becomes more and more closely integrated into the scheme of NCE life.
The CADET is a newspaper published by the Arnold Air Society to provide items of interest and amusement to ROTC students. Included among the CADET feature articles are “The Interviewer”, biography of one of the ROTC instructors, the Drill and Rifle Teams and their progress, the Arnold Air Society and its activities and articles concerning ROTC students, Newark Rutgers, and Upsala. The “Strictly Irregular” items consist of cartoons and anecdotes that can only be appreciated by ROTC students.

The news staff supplies information concerning Air Force policies and activities of interest to ROTC students. Also items of interest such as Summer Camp, new aircraft designs developed by the Air Force, etc. appear in the paper.

The expense of publishing the “CADET” is met by the Arnold Air Society which offers it without charge to all ROTC students in the Highlander Squadron.

Editor
HERBERT BENNES
Assistant Editor
WILLIAM DYKER
News Editor
ROBERT BARRETT
Features Editor
STEVEN SCRUPSKI
Art Editor
ROBERT WOODNORTH
Circulation Manager
JOHN O’DONNELL
Despite the fact that engineering students are not specialists in creative writing, some do like to write. ET CETERA is the annual literary publication of the college, and furnishes the vehicle for this writing.

As proof that engineering students enjoy reading creative work, the ET CETERA has been well received in the three years of its existence.

Editor
JACK BLAZIER

Staff
EDWARD PERCARPIO
WALTER STALOWSKI

Adviser
PROFESSOR HERMAN
A. ESTRIN

The SURVEYOR is the official newspaper of the NCE Student Chapter of the American Society of Civil Engineers. It is published on the second Monday of each month to coincide with chapter meetings. The primary purpose of the paper is to publicize ASCE activities, thus keeping the Civil students well informed of coming events. A write-up of the qualifications of speakers at chapter meetings and background material necessary to comprehend their talks are contained in the SURVEYOR. The paper is not all serious, however. A large portion of it is devoted to college humor and funny classroom episodes along with cartoons. The staff is usually small, but under the direction of Editor Dolph Rotfeld, it always managed to gather material for an interesting and amusing paper.

Editor
DOLPH ROTFELD

Staff
William Dyker  John O'Donnell
Kenneth Geiger  Raymond Oberletitner
Kurt Carlson
The growth of club interest with the increased enrollment at the College has made necessary some type of coordinating body to integrate the many activities. Long inactive, the Inter Club Council was reorganized to fill the need.

The aims and purposes of the Interclub Council are:

1. To encourage and develop club consciousness among the students of the college.
2. To coordinate schedules of club meetings and other functions.
3. To provide a judicial body for the clubs.
4. To provide representation for the clubs on the Student Council.
5. To plan for, supervise, and assist in the representation of clubs at the annual Visitors' Day.
The Dance Club provides a regular meeting place for the students on Fridays. Instruction and social activity headlined its weekly program during its fifth year of operation. As an escape from humdrum school fare, the Dance Club is found to broaden the student’s social contacts.

A program of instruction by Professor Robert Swanson in ballroom, folk, and square dancing was combined with band dances, parties, and barn dances. Coeds from neighboring colleges help convert our gym to a gala ballroom each week. The success of the Dance Club program is evidenced by the confidence and ability of its members and the increasing number of couples who participate in class and fraternity dances.

OFFICERS

President
HOWARD LUNIN
Vice President
HENRY MacLAUGHLIN
Secretary-Treasurer
PATRICK PERNA
The NCE Glee Club is organized around a core of unique features: first, desire to sing is more important than ability; second, desire to sing is effectively tested by the students' willingness to rehearse at an unpopular time deliberately chosen — 5:00 P.M.; and third, acappella rehearsals expose voice defects and afford the chief incentive for the development of both individual and ensemble quality, as well as self-assurance.

The chief traditions of the Glee Club are Christmas concerts in Weston Hall and Eberhardt Hall and two appearances each year on Visitors' Day. Other engagements elsewhere have won enthusiastic praise for the club.

Membership remains somewhat fixed at about twenty. Members are graduated, but rarely resign, for there is a common conviction that singing refreshes and relaxes students under the rigors of engineering curricula.
RIFLE CLUB

The goal of the Rifle Club has been the promotion and encouragement of rifle marksmanship among the members of the NCE student body.

The Rifle Club, as a member of the National Rifle Association consists of two divisions, one composed of the AFROTC marksman and the other of regular members of the student body. The ROTC uses rifles supplied by the Air Force, while the civilians use weapons obtained from the Office of Civilian Marksmanship. Practice sessions are held in the Sussex Avenue Armory.

The top marksman on the club form the nucleus of the varsity rifle squad, which has been scheduling intercollegiate matches for the past few years.
Although organized only in the spring of '52, the Bridge Club has become an integral part of the extracurricular program of the college. A glance at the Commons or some class room during lunch period will give a conclusive evidence of that.

Beginning with the October meeting, monthly duplicate bridge tournaments were held at which winners and runners-up were awarded national master points. Bridge classes, conducted by members, were held once a week for those who wished to learn to play and for those who wished to improve their game. A program of intercollegiate bridge tournaments with local colleges was also inaugurated this spring.

OFFICERS

President
ALLAN COLES
Vice President
ROBERT HESSE
Secretary-Treasurer
FRED O. STICKLE
Corresponding Secretary
GILBERT BLAIR, JR.
Adviser
Prof. WARREN H. CRATER
NCE's photography club affords an excellent opportunity for students to demonstrate their creative abilities.

The activities of the club are as varied as they are interesting. They include: field trips, portrait sessions, and lectures—discussion periods which are both pleasurable and informative.

The club's photographs, which include selections of both college and outside subjects, are proudly displayed on the third floor bulletin board.

In addition, the experience and processes learned in connection with photography are a valuable addition to an engineer's background, since industry is relying more and more on photography as an aid to production.

**OFFICERS**

*President*
EARLE NIRMAIER

*Vice President*
GLODE REQUA

*Secretary-Treasurer*
ROLAND HANSON

*Adviser*
MR. ROBERT ROSE

---

The Christian Fellowship Club at NCE is a group of students who hold meetings twice a week to study the Bible. In addition to these studies, which are led by members of the group, outside speakers are invited to discuss topics concerned with Christianity.

The purpose of the group is to provide Christian fellowship and to present Christianity to the student body. The members of the group feel that faith in Christ is the only positive, successful way of life.

The club is affiliated with the Inter-Varsity Christian Fellowship, an inter-denominational organization which has chapters in fifteen foreign countries and in over three hundred colleges in the United States.

**OFFICERS**

*President*
ANTHONY MAFFUCCI

*Secretary-Treasurer*
DONALD DUNN

*Adviser*
PROFESSOR LEHMAN

---

**Christian Fellowship**
The Chess Club offers to students the opportunity to indulge in fascinating free hours. This year the Chess Club initiated an extensive interclub match program as a major part of its activities. The matches evoked so much enthusiasm that the program has been incorporated into the club’s future activities as an annual event.

The Chess Team, composed of the Club’s best players, has engaged in much intercollegiate competition, scoring many victories to maintain its formidable record of previous years. The caliber of the undergraduate players will insure the continuation of the line of successful Chess Teams at the Newark College of Engineering.

OFFICERS
President
JOHN GULOW
Vice President
JEROLD SORKIN
Secretary
DOUGLAS AMOS
Advisor
Prof. DAVID DAVIS

“Hey! get that ball” and a small white sphere goes bouncing down the stairs in Weston Hall and into the main lobby. Careening after it comes a frantic ping-ponger with paddle in hand, hoping that no unfeeling non-ping-ponger will squash the delicate ball. This scene is enacted many times a day as the Table Tennis club members work out in the Commons. Not all of the men who use the tables are members of the club, but it seems that anyone is welcome to play.

The varsity team plays in New Jersey State Collegiate and National Collegiate tournaments against teams from Upsala, Newark Rutgers, Newark State Teachers, Montclair State Teachers, and Union Junior colleges.

OFFICERS
President
JEROLD SORKIN
Vice President
RICHARD JOHNSON
Secretary
KENNETH RICHARDS
Radio Club

The Radio Club, which has its “Shack” in the Electrical Engineering Laboratory, operates and maintains its own radio station under the call letters W2JPK. During the past years, its members constructed a modern console-type operating position and a 200-watt, all band, phone-CW transmitter. This new rig has already spread the name of NCE throughout the United States and the rest of the world.

The Radio Club maintains code practice equipment and radio literature, as well as tools and radio components for its members. For the beginner as well as the seasoned amateur, the club stimulates interest and endeavors to aid those members desiring Ham licenses.

OFFICERS
President
MELVIN NESSELROTH
Secretary-Treasurer
RONALD MOSOLGO
Chief Operator
ALAN FINKEL
Advisor
PROFESSOR FREDERICK A. RUSSELL

Yacht Club

The presidential officers of the Yacht Club are the Commodore and the Vice Commodore. During the early fall and late spring the club sponsored weekly outings at Lavallette, which were open to the entire student body. On these nautical picnics, members and their friends went sailing and swimming.

As soon as boats are available, and meets can be arranged, the club will bring intercollegiate racing to NCE again.

OFFICERS
Commodore
ROBERT BANFIELD
Vice Commodore
CHARLES WILSON
Secretary
CHARLES LIPE
Treasurer
FRANK GRAF
Honor Society
Tau Beta Pi was founded at Lehigh University in 1885 and was introduced into Newark College of Engineering in 1941. The purpose of the Society is to recognize publicly those who have conferred honor upon their Alma Mater by distinguished scholarship and exemplary character, or by their attainments as alumni in the field of engineering. It attempts also to foster a spirit of liberal culture in the engineering colleges of America.

The activities of the Society are confined to a tutoring program and an instructor-rating program. In the tutoring program, special instructions in all subjects are given by the members to any student who asks for help. Instructor ratings by selected classes provide participating faculty members an index to their success in the presentation of material, testing, methodology, and personal effectiveness.

It is hoped that in the near future Tau Beta Pi will be able to widen its activities in order to play an even more important role in student life at Newark College of Engineering.

**OFFICERS**

President
RAYMOND PASTORE

Vice President
RAYMOND POQUETTE

Corresponding Secretary
KENNETH GEIGER

Recording Secretary
ROBERT HATTERSLEY

Treasurer
DEAN WILLIAM HAZELL

Cataloguer
RINALDO VACHINO

**Advisors**

PROFESSORS
ROBERT ANDERSON
PAUL O. HOFFMANN
EIVIND RAMBERG
GEORGE THOM
The Newark Circle of Omicron Delta Kappa was established on campus in 1947. The purpose of the society is to provide recognition for those students who have shown outstanding leadership in extracurricular activities while maintaining an above-average scholastic record. An additional function of the society is the improvement of student-faculty relations.

A Freshman Orientation Program was again undertaken by the members of Omicron Delta Kappa in 1952, and the replies to an evaluative questionnaire were most gratifying.

An Honors Convocation, a joint banquet of Alumni and Student members, and one hundred per cent student membership attendance at the National Convention of Omicron Delta Kappa at Roanoke, Virginia completed the activities of the society.
Pi Delta Epsilon, the national honorary collegiate journalism fraternity, was founded at Syracuse University in 1909. Since the founding, the fraternity has expanded to over seventy-five chapters throughout the country. The Newark College of Engineering chapter was installed on June 2, 1951.

The purpose of Pi Delta Epsilon is to offer recognition for outstanding contributions to college publications by extending its membership to those students who have devoted their time and energy to foster and to better campus publications. Recognition may be gained at the Newark College of Engineering for contributions to any of the following five publications: the TECHNICIAN, the CADET, the SURVEYOR, the NUCLEUS, and ET CETERA.

OFFICERS

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JAMES F. CAMPBELL, Jr.
Vice President
ROBERT S. HATTERSLEY
Treasurer
RAYMOND PASTORE
Secretary
RINALDO VACHINO
Advisor
PROFESSOR HERMAN A. ESTRIN
Arnold Air Society

The Arnold Air Society is an honorary fraternity for ROTC cadets. Named after General “Hap” Arnold, it has been the fastest growing honor society in collegiate life. Members of the Arnold Air Society are distinguished by the wearing of a ribbon and a fourragere on the uniform.

The ideals of the Arnold Air Society are to further the purpose, mission, tradition, and concept of the United States Air Forces as a means of National Defense. Further, to promote American Citizenship, and to create a close and more efficient relationship among the Air Reserve Officers Training Corps Cadets.

The Highlander Squadron of NCE publishes the Cadet—a paper for ROTC students, sponsors and trains a drill team, acts as an information center on graduate officers, and sponsors the Military Ball.

OFFICERS
Commander
ROBERT O. WEIDENMULLER
Executive Officer
EDWARD HOFFMAN
Operations Officers
JOHN KOUTOUZAKIS
Adjutant Recorder
RINALDO VACHINO
Treasurer
ROBERT FRITZ
Public Relations Officer
ROGER MEDLIN
Del Tau Sigma was organized in the spring of 1951 in order to extend recognition to those electrical engineering students whose outstanding college record and personal character would otherwise go unnoticed. It was also felt that the fraternity would render a needed service to both the Electrical Engineering Department as well as to the college.

Although Del Tau Sigma is a local society, its constitution and ideals were largely patterned after those of the National Honorary Electrical Engineering Society, Eta Kappa Nu. It is hoped that membership in this larger organization will be attained in the near future. It is toward this goal that the members of Del Tau Sigma are ever working.

Even in its brief history, Del Tau Sigma has successfully carried its ideals and principles into actual practice. Some of its most outstanding accomplishments were the Electrical Department Visitors Day exhibits, a student-faculty conference, and the orientation program for the Junior Electrical Engineering students. These, as well as other projects, assure Del Tau Sigma an active future.

OFFICERS
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ERNEST PREUSS
Vice President
RONALD MOSOLGO
Recording Secretary
PATRICK PERNA
Corresponding Secretary
DANIEL HAMPEL
Historian
MELVIN NESSELROTH
Treasurer
PROFESSOR ROBERT ANDERSON
Pi Tau Sigma, the National Honorary Mechanical Engineering Fraternity, was formed “to foster the high ideals of the engineering profession, to stimulate interest in coordinate departmental activities, and to promote the welfare of its members.” Pi Tau Sigma originated at the University of Illinois in 1915.

The Newark Tau Theta Chapter was formally installed on May 25, 1951, with ceremonies performed by Professor Frank L. Schwartz, National President, who was assisted by Professor George B. Thom, chairman of the Mechanical Engineering Department.

Although still comparatively young, the Newark chapter promises to become, through student interest and cooperation, a campus organization devoted not only to recognition of past achievement, but to worthwhile services as well.
The purpose of Phi Eta Sigma is "to promote higher standards of learning and to encourage high scholastic attainment among the Freshman men."

A national honorary fraternity for freshmen and sophomores, Phi Eta Sigma has chapters in seventy-eight colleges and universities throughout the United States. The Newark College of Engineering chapter of the fraternity was organized in April, 1952.

Members of the group are serving as student advisers for freshmen students and are working with Tau Beta Pi in the tutoring program. If present plans are followed, Phi Eta Sigma will eventually assume tutoring, while Tau Beta Pi will take care of the administration of the program. It is estimated that thirty students each semester will be aided by this program.

The Newark College of Engineering chapter of Phi Eta Sigma was represented at the annual three-day national convention of the fraternity on October 22, 1952, at Purdue University, by Douglas Amos, Charles Deininger, Bruce Lummis, and Fred Stark.

OFFICERS

President
BRUCE D. LUMMIS

Vice President
CHARLES R. DEININGER

Secretary
ROBERT W. ARMBRUST

Treasurer
GORDON SCHWARZ

Historian
DOUGLAS AMOS

Advisor
PROFESSOR PAUL O HOFFMAN
Professional Societies
Composed of the president of each society represented at the college, the Council coordinates the activities of the societies into an integrated program designed to present the maximum advantages to the college as a whole. Under its direction the conflict of more than one event on any date has been eliminated, a single program of films has been arranged with equal support from all activities, and a semi-annual general meeting of the members of all the societies has been sponsored. In addition, the monthly discussions of the group aid in disseminating ideas which benefit all the member societies. The Council stands ready to assist any society or any individual member of a professional society in the solution of problems pertaining to professional activities.

President — EDWARD KRIESMER

Secretary — WALTER REICHLE
The Society strives to promote interest in Civil Engineering and a closer relationship between students in the department. It achieves this through monthly meetings to which men from industry are invited to discuss various phases of civil engineering.

The Society is very proud of its group spirit. Social affairs such as dances and the annual picnic, where juniors are pitted against Seniors in the traditional softball game, tend to make the Society one of the best organized in the college. The men take great pride in their organization and maintain a high professional attitude in their department.

OFFICERS

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EDWARD TYLER

Vice President
ROBERT KENNEDY

Recording Secretary
RAYMOND OBERLEITNER

Corresponding Secretary
ANTHONY VENTURO

Program Chairman
JOHN O’DONNELL

Adviser
PROFESSOR JAMES ROBBINS
More than ever before, present world unrest and our dynamic society are demanding from the engineer participation in civic and community affairs, in addition to calling on him to employ his technical competence. The goal toward which the ASME strives is the promotion of the science of mechanical engineering and the broadening of the engineer's horizon through association with well integrated professional men.

Since the inception, the society has heard outstanding speakers, made plant visits, and has participated in regional conferences; this year was no exception. The activities of the society, in addition to supplementing formal college education, instill in the young engineer an appreciation of the vital part he is to play in the industries of our country.
That the student chapter of NCE has been successful is evidenced by its continued expansion and by the fact that nearly complete senior mechanical membership was attained within three weeks after the start of the fall term. With the full support of the Mechanical Engineering Department and its staff, the ASME has expanded to include evening as well as day students in its program.

Undoubtedly, the society has been influential in the development of good engineers and citizens in the past, and the retiring officers hope that it will continue to expand and be of even more benefit and service in the future.
The NCE student chapter of the American Chemical Society, which is comprised of chemical engineering students, aims to provide its members with industrial and professional contacts. The chapter is represented on the organization’s intercollegiate council of the North Jersey Section, which annually sponsors a convention where representatives of seven colleges deliver papers on some branch of chemical research. Trips to chemical plants in the Newark vicinity provide practical knowledge for all participants, and the technical literature distributed by the national organization is unexcelled. Industrial films and lectures supplement the knowledge learned in the classroom.

The chapter also serves to hold together a group of students who hold chemistry and its industrial applications as their common interest.
The aim of the American Institute of Chemical Engineers is to further the professional development of all chemical engineering graduates of NCE. Although other underclassmen are invited to participate in its activities, the chapter's functions are directed toward the interests of the senior chemical engineering students.

The primary project of this professional society is a three-day plant trip to industries in an area outside New Jersey with the view of increasing the student's knowledge of the chemical industry in its entirety. In the past, the chapter has also provided showings of educational films and lectures by men from chemical industries. The national organization sponsors the A. McLaren White Award for the best solution to a student problem in chemical engineering and an annual symposium which the student members are urged to attend. These events create an atmosphere of fellowship among members and promote interests beyond academic studies.

OFFICERS

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SAM MARX

Vice President
ROBERT DUNCAN

Treasurer
JOSEPH RIZZO

Recording Secretary
EARLE NIRMAIER

Corresponding Secretary
KENNETH VEPREK

Adviser
DOCTOR CHARLES MANTELL
Since the establishment in 1902 and 1903 of the provisions for the formation of Student Branches and for the enrollment of Students, the Institute of Electrical Engineers has taken a keen interest in contributing to the technical and general development of students of electrical engineering. Student membership offers to students the opportunity to begin a lifetime connection with the leading organization in electrical engineering.

Early acquaintance with the personnel and problems of those engaged in this field is of material assistance to one beginning an engineering career. Enrollment as a Student Member, not later than the junior year, is therefore desirable in order to afford full opportunity to know of the Institute’s general objectives, and of the particular activities carried on for the benefit of the student of Electrical Engineering.

OFFICERS
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FLORENCE MAZUREK
Vice President
KAREN N. FREDERICK
Secretary
JOSEPH J. FIORILLA
Treasurer
DANIEL HAMPEL
Counselor
ROBERT E. ANDERSON

The principal purpose of the Student Branch is to function under the auspices of the Institute to aid in the development of the abilities of students. It does this by affording opportunities for them to carry on activities quite similar in nature to those which are carried on by the Institute members, such as the holding of meetings, the presentation and discussion of papers, reports, abstracts, etc., and participation in inspection trips to places of engineering interest.

Branch activities offer splendid opportunities for training in those elements of leadership which are absolutely essential to real success in any division of engineering, and thus supplement the formal courses of instruction, enabling young engineers to adjust themselves to the circumstances which follow their graduation.
The Student Branch of the Institute of Radio Engineers was founded to acquaint its members with the industrial aspect of electronics and communications. To accomplish this purpose, leading industrialists have been invited to lecture, lead discussions, and give demonstrations. Several field trips have been taken to industrial plants in the vicinity which have been most helpful in acquainting participants with plant organization. An informative series of films on electrical subjects were shown during the last year to large groups of students interested in the material presented.
The Society for the Advancement of Management is the recognized professional society for industrial engineers and managers. NCE students gain important information on management, and are given opportunities to become acquainted with this field through plant visits, films, and lectures.

The parent organization, the North Jersey Chapter of S.A.M., holds frequent meetings featuring excellent lectures followed by informative discussions. At these meetings, NCE students have the opportunity to meet, and talk to, leaders of industry.

The chapter is growing, both in size and prestige, and will continue to offer its members valuable assistance in the increasingly important field of industrial engineering and management.
Fraternities
The main function of the Interfraternity Council is to bring all the social fraternities together so that they may have joint meetings to effect better social relationships throughout the school. A special drive to increase the number of spectators at the NCE varsity basketball games was backed by the Council for the purpose of instilling more school spirit in the student body.

One of the main activities of the IFC is its own basketball league. In the 1952 play-off, Pi Kappa Phi came from behind to beat the league leaders, Alpha Phi Delta, in a sudden death finish.

The IFC runs a Frosh Blowout, a program of various athletic events, in which the freshmen are invited to participate. The main purpose of the affair is to acquaint the freshmen with their fellow classmates.
Just recently, Delta Sigma Zeta became the Beta Xi chapter of Alpha Phi Delta. The fraternity has the promotion of fellowship as its aim. Its social activities include an annual spring dance, alumnus banquet, and a fall dinner-dance. The basketball team has been in top contention for the past three years in the I.F.C. league. Also on the frat’s list is interfraternity bowling.

OFFICERS
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Vice President
CARMEN VERRONE
Treasurer
ANGELO GUSTAFERRO
Corresponding Secretary
RALPH CIRONE
Recording Secretary
ERNEST ZIMPO
Sergeant at Arms
NUNZIO CAPPADONA
Alpha Sigma Phi fraternity was founded at Yale University on December 6, 1845, making it the tenth oldest national fraternity. Alpha Sigma Phi was the first national fraternity at NCE and it is the nineteenth largest among the fifty-nine national fraternities of the National Interfraternity Conference.

Originally, the chapter at NCE was the Alpha chapter of Alpha Kappa Pi, founded here in 1921. However, in 1946 Alpha Kappa Pi merged with Alpha Sigma Phi, uniting to form the national fraternity, Alph Sigma Phi.

The Alpha Rho chapter house was newly acquired this year. Alpha Sig men have always maintained a high standard of scholarship, and the brothers have continually shown widespread interest in all school activities. Many offices of school societies and organizations have been filled by Alpha Sig men.

**OFFICERS**

*President*
EDWARD TYLER

*Vice President*
JOSEPH KRUPINSKI

*Treasurer*
ROGER MEDLIN

*Advisor*
PROFESSOR CHARLES DUURSEMA
Phi Beta Tau, although one of NCE’s youngest fraternities, has distinguished itself for its scholastic achievements as well as its wholehearted participation in all college activities. In past years these activities have extended to all phases of school life, with Phi Beta Tau members holding important offices in such organizations as the student council, class councils, yearbook staffs, professional and honor societies, athletic organizations, and social committees.

Through its many activities and proud traditions, Phi Beta Tau aims to instill in its members an appreciation of college life and enjoyment of the past years spent together. An active Alumni Association continues these ideals and assumes that they will not be forgotten after graduation. Above all else, its members, past and present, prove that the principles of nonsectarianism are not only on ideal, but a practical code of living.

OFFICERS
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Vice President MELVIN NESSELROTH
Treasurer EDWARD NAIMAN
Recording Secretary RICHARD HUBER
Corresponding Secretary JOHN HARMYK
Advisers MR. ROBERT HAUBNER PROFESSOR HAROLD WASSON
The Beta Alpha Chapter of Pi Kappa Phi is one of the leading social fraternities on the campus. Its yearly social functions include the Rose Ball, a Founder's Day Dinner, informal dances, and house parties. The chapter supports many college functions and attempts to increase interest in the College's basketball games by having open house parties following each home game. Every year it presents a key to the sophomore with the most outstanding scholastic ability.

Its members have always been active in extracurricular activities, participating in the student government, class councils, college publications, intramural and varsity sports. Many of the members have been initiated into the honor societies of the College.

The Beta Alpha Chapter was one of the top-ranking chapters in Pi Kappa Phi and was awarded a master chapter rating for achieving a high scholastic standing and having efficiency in their organization.

OFFICERS

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HERBERT MARTIN
Secretary
PAUL KOEHLER
Treasurer
JACK BLAZIER
Historian
PHILIP BAUMANN
Chaplain
ALBERT KING
Warden
WILLIAM STURM
Alpha Mu Chapter is the representative on the Newark College of Engineering campus of Sigma Pi, a national fraternity of over fifty active chapters.

An aim of Sigma Pi has always been to stimulate an interest in collegiate social affairs. To further this, the fraternity sponsors several private and public gatherings annually. Every Thanksgiving Eve, Sigma Pi holds its Orchid Ball, a formal affair named after the fraternity flower. A Founder’s Day Banquet in February and informal Spring Dance in May are other annual functions. The brothers of Sigma Pi gather at the chapter house for evenings of dancing and entertainment many times during the school year.

Sigma Pi also joins the other fraternities in the Interfraternity Council in encouraging competition in sports and scholastic excellence.

OFFICERS

Sage
   RICHARD T. HAGEN
First Counselor
   DONALD L. DAVIS
Second Counselor
   HARRY A. HILSINGER
Third Counselor
   THOMAS E. JUINTA
Fourth Counselor
   LLOYD BUELL
Herald
   ALLAN BLOCK
The purpose of Tau Delt is the promotion of democratic ideals. Since 1947, when the fraternity was organized, it has tried to teach social organization to people from many cultural backgrounds. This variation in interests serves to make Tau Delt a well rounded group.

It is an active organization having members in the many college activities. Its social affairs include house parties and dances. The fraternity also has enthusiastic basketball and bowling teams.

OFFICERS

Consul
PAUL KISCIRAS

Vice Consul
HARRY TABANKIN

Recording Secretary
MORRIS POLLACK

Treasurer
SEYMOUR MORGENSTERN

Corresponding Secretary
WILLIAM KRAM
Tau Epsilon Phi, long known at NCE as Phi Delta Mu, was installed as the Tau Psi chapter on September 25, 1947. The national organization dates back to 1910 when the first chapter was founded at Columbia University on the principles of friendship, chivalry, and service. There are now over forty active chapters in the United States and Canada.

The NCE chapter, in order to accommodate an ever-increasing membership, moved this year to larger quarters. Tau Epsilon Phi publishes a bi-monthly news magazine, the Septagon. Other major activities and social events include participation in the Interfraternity Council basketball league, a Tau Epsilon Phi Empire State Conclave in December, a dinner dance in April, and a beach party in July. At least two events a month fill out the fraternity social calendar.

OFFICERS

Chancellor
TED FINEMAN

Vice Chancellor
ALLEN HOLZMAN

Bursar
RONALD WAXMAN

Scribe
LEONARD FURMAN

Warden
DAVID TESCHNER

Historian
HOWARD SCHNITZER

Chaplain
MICHAEL BASH
Book Store

Library

Cafeteria
Sports
The Athletic Association is a student organization whose purpose is to stimulate all athletic endeavors at the college through a system of varsity, intramural, and club activities. The group is designed to appeal to, and provide recreation for, the greatest number of students. It encourages intercollegiate competition, which fosters good will and sportsmanship between NCE and neighboring colleges.

The Association is operated by a council comprised of men from each member organization and is supported solely by funds received from the Student Council. It supplies equipment to every sports organization, provides for the payment of officials, and provides for all tournament entrance fees. The coaches of the varsity teams are non-paid faculty members, and should be commended for their tireless efforts in guiding our athletics in the last decade.

The Athletic Association is proud of its progress in providing more than 700 students with the means for enjoyment in athletic pursuits, and hopes that future leaders of the organization will strive to do even more to kindle the spark of school spirit.

OFFICERS

President
VINCENT J. MILLER
Vice President
JOHN LYONS
Secretary
WILLIAM KRAM
Treasurer
JACK BLAZIER
Publicity Directors
DOLPH ROTFELD
STANLEY KREJA
The varsity bowling team opened its 1952-53 season with great expectations. Returning from the team which won the 1951-52 N.J.S.I.A.C. Conference Championship were Dick Antolino, Kurt Carlson, Bill Castles, and Hank Turkot. The newcomers to the team, picked from the top bowlers in the Intramural League, were Hank Haar, Ken Doerseln, and Jack Boland. Kurt Carlson, in his third year of varsity competition, and Dick Antolino in his second, were elected co-captains.

To date, with the first half of the season completed, NCE is again leading the conference, having swept over Paterson State Teachers, Montclair State Teachers, Panzer, and Fairleigh Dickinson in that order.

Most exciting of all the matches was the final one of the first round of competition against Fairleigh Dickinson. Knowing they had to take two of the three games and total pins to take over first place, the NCE men proceeded to lose the first game. Not in the least dismayed, the NCE keglers bounced back to win the last two games with the terrific scores of 933 and 959 pins, and outpoint Fairleigh Dickinson in total pins 2721 to 2549.
The 1952-53 edition of the Highlander five, being paced by Captain Arnold Giovannoli, compiled a 12-5 record.

The NCE Basketeers started the season off with four straight victories and then cooled off somewhat. For most of the season the Highlanders were without the services of “Tudy” Lubetkin, last year’s high scorer. The slack was somewhat taken up by newcomer Dick Homan, and the improved playing of Larry Sista and Jack Blazier.

Arnold Giovannoli with 325 points set a new NCE scoring record for one season, surpassing Luketkin’s 245 points for the 1951-52 season. Relying mainly on his deadly set shot from the
basketball

Charley Lubetkin

Don Halstead

Harry Novick

Rutgers. NCE trailed in the midway of the third period by 24 points, drew even in the waning minutes of regulation time and won 88-83 in a hectic overtime period. The driving force behind the victory was Larry Sista with 14 field goals.

Another thriller was the 90-83 overtime victory against Pratt Institute in which NCE was paced by the set shot artistry of Mr. "G".

side, Giovannoli averaged twenty points per game. On three occasions these set shots, coming in the closing seconds of a game, were the margin of NCE victories.

Here are some of the highlights of the past season:

The greatest comeback ever seen in the Campbell Hall Gymnasium was staged against Newark
The prospects for the baseball team are somewhat on the bright side, even with the loss of veterans Donald Kroek, Vic Strashinsky, and Ed Gajewski. With many seasoned seniors returning to the diamond, Coach Edward Johnson has confidence in the Highlander squad.

Leading the team will be Charlie Sweet, the 1952 batting star and RBI king; Vince Miller, standout defensive short-stop and veteran of three campaigns; Alan Coles, the fast-balling hurler of the NCE moundsmen, on whose right arm rests the hope for a
The main object this year is to improve on last season's record, and we feel that these men are the ones to uphold the NCE fighting spirit.

Vin Miller

successful season; Kurt Carlson, utility outfielder and the team's leading first-baseman. Bill Backman, third-baseman; Jack Lyons, second-baseman; Joe DeMartino, outfielder and John Urban, pitcher, are among the other regulars who did more than their share of the work last season.

Alan Coles

Kurt Carlson
The past season was indeed a very fruitful one for the Booters, with four victories, two ties, and three losses for a .667 percentage. The team greatly improved last season's record, its initial outing in inter-collegiate competition. With more than twelve lettermen returning, the nucleus of the team was essentially the same as that of the 1951 squad.

The opening game against Stevens Tech, NCE's arch rival from Hoboken, was a good indication of things to come; the highly favored Stevens team was upset by the hustling NCE eleven 3-2.

After dropping a close 1-0 decision to Arnold College, the Engineers came back into the win column by virtue of a 4-3 victory over Long Island University.

Again bouncing back from a defeat at the hands of the U.S. Merchant Marine Academy,
NCE upset a strong Trenton State Teachers team 2-1.

Due to injuries, Coach Alex Rae had to juggle his line-up several times, and against Trenton State he seemed to have found the right combination for from then on the team didn’t lose a single game.

With Captain Alfredo Serrano and Andy Latawiec paving the way on the forward line and Dolph Rotfeld, Steve Rotter, Carmen Verrone, Jorge Miernik, and Kurt Carlson supplying the defensive strength NCE tied Army 1-1, defeated Pratt Institute, the third place team in the Metropolitan Conference, 2-1, and tied Queens College 0-0.

The coaching duties of the team were in excellent hands with Alex Rae, former NCE student, and Professor Robert Swanson of the Physical Education Department, holding the reins.
The history of the past four year's of NCE's Fencers shows them to have been the strongest ever to represent the school in intercollegiate competition.

This season, the fencing team's prospects were dim because of the loss of four veteran stars through graduation. However, under the excellent tutoring of Coach Ringi, the team has developed into a strong squad led by Captain Harry Tabankin. The foil team has shown an ability to make good in spite of the fact that it is made up almost entirely of relative newcomers. The épée team is expected to come through as usual under the leadership of Jim Sullivan, a four year varsity man. The sabre team should prove to be the bulwark of the entire squad as the other members of the squad rally to the leadership of Harry Tabankin.

The prospects of an undefeated season are very good, and though it is anticipated that the going will be a bit rougher without the services of Bowser, Crimmins, and the Taetzsch brothers, Coach Ringi and the team are confident of taking the Invitation Tournament for the fifth straight year.

Jim Sullivan
and Harry Tabankin
As a member of the Metropolitan Intercollegiate Rifle League the varsity Rifle Team of Newark College of Engineering completed its most successful season since its inception. With twelve matches completed, the team had eight wins and 4 losses with two matches left to shoot. The top scorers for the College were:

<table>
<thead>
<tr>
<th>Name</th>
<th>Average</th>
</tr>
</thead>
<tbody>
<tr>
<td>Art Leiser</td>
<td>278</td>
</tr>
<tr>
<td>Ed Hoffmann</td>
<td>276</td>
</tr>
<tr>
<td>Bob Weidenmuller</td>
<td>273</td>
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<tr>
<td>Tom Cunningham</td>
<td>270</td>
</tr>
</tbody>
</table>

A significant fact to be considered is that the team has had virtually no time to practice and still has done so well in competition with the teams of the league. This season saw the team fire its highest score 1381 against C.C.N.Y.

In nation wide competition for the Hearst sponsored match for all AFROTC units the College’s team placed 7th out of 188 competing teams. This is indeed an enviable record.
NCE's first cross-country team took a four-meet season in stride as it bowed to the Kearny Athletic Club, 19-36, Upsala 8-15, and was nipped by Panzer College in two meets, 16-20 and 10-11. Prospects for next season are brighter as the NCE harriers will gain additional experience and have the same squad intact. NCE plans to enter two medley-relay teams in intercollegiate competition during the indoor track season. The season will include local armory meets with small colleges around the metropolitan area. The highlight of the season will undoubtedly be the NJIAC Track and Field Championships. In last year’s meet, Charlie Lubetkin and Bob Shellmer took first and second place in the pole-vault event.
Last year the Tennis Team had one of the best records in the history of the squad's varsity competition, four wins and two losses.

The victories were gained at the expense of Newark-Rutgers, Fairleigh-Dickinson, Montclair State, and Drew. The losses, both by scores of 6-3, were at the hands of Stevens and Upsala.

This year's team is sparked by the return of three lettermen; Henry McLaughlin, Ken Mansuy, and Marvin Smith. However, the team lacks depth inasmuch as only three newcomers with experience have been turning out regularly at practice.

With the added incentive of having a home court, the Arlington Players Club having been secured, the team has high hopes for bettering last season's record.
Several factors contributed to make the 1952-1953 basketball season unique. The predominant factor was the inability to maintain the gains of previous years in the average number of games played by each of the thirty teams in the league, but this recession was due solely to an increase in scheduled classes, and in no way detracted from some very capable organization by the League Director, Peter Currie.

Although there is some doubt at the present writing as to the ultimate league champions, the fact remains that the competition has been more evenly distributed than in previous years, with no single team occupying an undisputed leading position.

The bowling league, whose director has been Senior Mechanical Robert Wachtler enjoyed a banner season. Pi Kappa Phi is currently in first place and gives indications that they intend to remain there.

The badminton tournament, directed by Harry Novick, received a strong impetus from a group of ambitious freshmen, and play extended through the months of April and May. Thirty contestants participated in regular season play.

As if domestic problems were not enough, the army took a mighty wack at the softball league by taking over most of the Branchbrook Park diamonds for anti-aircraft installations, leaving little for Director Stan Kurzeja to ration to the hickory stick artists. Experienced in these problems, Director Kurzeja forged ahead, however, and through sheer determination produced a very successful season.

There are indications that times will be better, however, for a strong movement is under way to initiate a touch football league in the fall. With some breaks and a good amount of determination, the 1953-54 season could be the best year of all in the intramural leagues. This year was only a promise lacking fulfillment.
The Winner!

Anyone for fencing?

A bit of furious action on the hardwood brings Bauder to his feet.

E to the x, dy, dx; E to the x, dx.
Tangent, secant, cosine, sine 3.14159.
Square root, cube root, UDV,
slipstick, Slide rule, NCE.
AROUND THE COLLEGE
Why We Flunked

That's worth a fly speck

“and you future engineers will...”

Why We Passed

Remember the crowded Commons?
"Look at the size of that ball!!"

"Now, for a buck and a quarter..."

It's been a long four years

"What finagle factor do I use here?"

Rumors have it that this is docked in a sewer on Summit Street
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Huscom..............................................Russo Capodone

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1953 FALL TERM OPENS SEPTEMBER 23

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