NUCLEUS
1959

Newark College of Engineering
Newark, New Jersey
In the beginning . . .

. . . there was only an eternal sea of energy. The great contraction started slowly and took eons of time to run to completion, but the end result was well worth the involvement. Tiny beads of mass and energy were formed—atoms. At the center of these tiny pools of energy is the result of the great creation—the nucleus.

There were 405 men separated in a similar way through a sea of space. To college they came and another great contraction started. Their energies were pooled into classrooms and laboratories and again the end result was well worth the effort.

In honor of this nucleus of men, this NUCLEUS is published . . .
Known affectionately by his students and colleagues as The General, this man has provided the inspiration, counsel, and leadership befitting the title. Through his thirst for knowledge and his dynamic personality he has come up through the ranks to the respect that he now commands as scientist-educator. As a firm believer in "learning the fundamentals," he has, through his experience, demonstrated the validity of his principle and has successfully imparted his philosophy to his students. His dedication to this principle was apparent as a young man when he taught himself "the calculus" while he was waiting to enter college. Although his dream of a college career was never realized, he found that his native ability was a means of attaining the same end. This attribute was immediately recognized and put to use at the Bell System. Here he became an expert in the development of the dial system. Forty-four and one-half years with the Bell System gained him many honors and a long list of inventions. Retirement, to this unusual man, was an opportunity to begin a new career as an educator.

Once more, his abilities and aptitudes were recognized by both faculty and students. While maintaining the formality of the classroom, he has still held a close relationship with the students and made available his advice and counsel, whether in the classroom or at his home. Faith in the integrity of the students led him to treat them as mature individuals—a practice that has been appreciated. To this man, Dr. Edward C. Molina, we proudly and sincerely dedicate the NUCLEUS 1959.
Great-grandchildren are a luxury few men are able to enjoy. Dr. Molina has four great-grandchildren, upon whom a greater amount of love could not be bestowed.

"Forty-four and one half years with the Bell Telephone System"—with the probability of what he did there being forgotten equal to zero.

"Do not come to college to pass tests, although you must pass. Come to obtain knowledge."

"The General" is proud of his 1000 volume mathematical and scientific library, with editions dating back to 1698.
During most of your four years at Newark College of Engineering, you have, among other activities, been "supervising" the physical expansion of your college. In your freshman year, ground was broken for Cullimore Hall, which was dedicated in January of your senior year. Tiernan Hall was acquired, old Weston Hall was demolished, and construction of the new Weston Hall is well on its way to completion. In addition, plans were announced for the next step in your College's expansion.

This is good. It is indicative of an institution which is alive to the necessity for increasing its facilities in order to provide educational opportunities for the growing numbers of secondary school graduates who have the desire and the qualifications to be admitted to Newark College of Engineering in the years ahead. Hand in hand with the increase in facilities must be adherence to the principle of continually striving for increasing excellence in the education offered.

Trustees, faculty, nonacademic staff, and graduates and students must be dedicated to this principle.

There are challenging years ahead for you too. They will be years of expanding opportunities, years which will present problems of all kinds for solution, many of which are even undreamed of today. Solutions will be found through your efforts and the efforts of others like you. But they must be the best ones possible, and they will be if you use your talents to the fullest.

If there is any one thought which I want to leave with you, it is that you do the best you know how in everything you undertake. Make excellence your goal in all your endeavors, and the rewards will be great—not the least of which will be the satisfying knowledge that you have fully used your God-given abilities in striving for excellence.

I wish the very best in the years ahead for each of you.

President
NCE’s Board of Trustees is composed of eleven of the most eminent, respected, and educationally inclined men in the state of New Jersey. The Trustees are appointed by the Governor of the State of New Jersey, with the Governor and the Mayor of the City of Newark being members of the Board themselves.

Under the leadership of the President of the Board, Edward F. Weston, the Board of Trustees has shown dynamic leadership in NCE’s tremendous growth. They have worked in close conjunction with President Van Houten, who is Secretary of the Board to determine the policies of the College.

As we approach commencement each year, I have a yearning for a machine, device, or procedure, by which we might evaluate each of the prospective graduates. This evaluation would enable us to put a “price tag” on each diploma to indicate the worth of the product of our educational program.

This “price tag” would not be in dollars, but in values far more enduring than the coin of the realm. These values, intrinsic as they are in the engineer, have been discussed with you during much of your time with us. Their names have become common-place to the end that many feel they are hackneyed. Substitutes are sought but no adequate ones are found for maturity; self-discipline, high ethical standards, both personal and professional, high moral standards; and an understanding of the interdependency of man. Valued seriously is an understanding of the relationship that must exist between engineers and of the dignity and respect that must be directed toward knowledge and experience.

And last, that the merit upon which your future will be judged will be the merit demonstrated by you as you move from day to day.

To each of you, success, as your values and your merit warrant, but, large or small, we will vicariously share it with you.

William Hazell
Dean of Administration
As you practice the profession of engineering, you will be faced with the necessity of making decisions; those which involve the lives of others can seldom be made with assurance.

After careful evaluation and study of the available facts, you will have to make decisions on the basis of what seems right at the particular moment. I can only hope that your decisions concern people who cooperate as well as you have cooperated and succeed in the same measure.

Dean of Admissions

Being a new man in a new administrative position is a very enlightening experience. My observations are those of the newcomer—fresh, clear, and lacking either the prejudice or the restrictiveness of tradition.

How do the students of NCE impress me? Except for the shortage of co-eds, you are no different from any other group of degree-conscious undergraduates. In all honesty, however, I can assure you that I have never witnessed such heavy academic loads as the engineering undergraduate has to carry. In fact, the burden on your intellect is equaled only by the weight of the load of paraphernalia that must be carried around in huge leather bags from class to class. It has been said that you can always spot an NCE alumnus by the sag of his right shoulder, the flatness of his foot, and the wild look of grim determination that lurks in his eyes.

An AFROTC Senior told me the other day that saluting was very tiring because his right shoulder was so low that he had to lift his arm up twice as far to reach his forehead.

Seriously, despite the academic demands, most of you have maintained your sense of humor and have found time to enjoy extracurricular activities. You gripe as much as any other undergraduate group; however, I am certain once you have received your much sought-after degree, you will be proud of your accomplishment.
ADMINISTRATIVE STAFF

DR. DANIEL R. HALL
Assistant to the President

ROBERT K. HAUDBER
Assistant to the Registrar

HERBERT S. SOUTAR
Business Manager

JAMES R. CLOVIS
Coordinator of Schedules

ALEX BEDROSIAN
Assistant to the Dean of Administration

ADELE E. GARRISON
Bursar

E. ALICE HICKEY
Recorder

CLARENCE H. STEPHANS
Director of Industrial Relations
Director of Special Courses

RICHARD D. BLANCHARD
Director of Public Relations

RUSSELL F. LEWIS
Engineer in Charge of Maintenance

DR. FRANK H. LEWIS
Director of Counseling Center

ROY F. BARTSCHY
Assistant to the Registrar
Veterans' Coordinator

GEORGE J. ROTH
Assistant to the Business Manager

IRA A. TUMBLESON
Librarian

EDWARD A. ACKERMAN
Bookstore Manager

MARGARET B. WEIHER
Cafeteria Supervisor

HERBERT S. SOUTAR
Business Manager
During our years at NCE the Class of '59 learned to respect and adhere to the counsel given them by their adviser, Professor Robert G. Poetz.

Professor Poetz of the Chemistry Department was always available when anyone needed him. He saw the class over the "rough spots," and he was always on hand when a social affair was held.

Attend any student affair, look for happy faces and in their midst—Professor and Mrs. Poetz.

Professor
ROBERT G. POETZ

The perfect lab partner—an ideal combination of knowledge, skill, and understanding.

Whether it was a formal dance, square dance, or informal get together, one could count on Professor Poetz to be present with his lovely wife.

Professor Poetz, because of his sincere and intelligent advice and his inimitable manner, has made life-long friends of the Class of '59.
As the NUCLEUS gained energy, a force was required to direct this energy into paths of useful effort. Under the guiding hand of Dr. Herman A. Estrin, the energized mass of freshmen became a dynamic unit capable of assuming leadership in both the college and community affairs.

Never too busy, the "Doctor" provided sound advice and happy exuberance to every freshman's inquiries. His assistance in piloting us through the writing of our class constitution and sponsoring of our first class dance was invaluable.

Passing his advisory role to Professor Poetz, he nevertheless has continued to be closely associated with our class and to help us with our social and academic problems. Every freshman class is indeed fortunate to have a man of Dr. Estrin's caliber waiting to assist them in formulating their academic philosophies and their standards of social and cultural activities.
RUTH KELLY, CLASS OF 1959
Mrs. Richard Pinto

It isn't easy to remember precisely when we first became conscious of Ruth Kelly. Most of us met her in the hectic, cramped Student Activities Office of the old Weston Hall. Even-tempered, interested, and radiant in the performance of her many duties, Ruth was always surrounded by students but always personably in control.

We weren't aware of Ruth in terms of age; she was "our little sister" yesterday and "our big sister" today. We knew that Ruth was a freshman secretary; so she soon became an honorary member of our class.

Ruth was a part of our class and a part of our college days. We were treated daily to a dazzling exhibition of personal charm and efficiency—the qualities of human performance which are often sought but rarely so abundantly displayed.

Ruth came with the Class of 1959 and will leave with us, to enrich, we know, the life of her engineer husband. This is the way it should be, for Ruth contributed far beyond the requirements of her position.

This is the saga of Ruth Kelly, Honorary Member, Class of 1959, Newark College of Engineering.
JR. DIVISION

FACULTY
The mission of the Department of Air Science is to develop in selected college students those qualities of leadership and other attributes essential to their progressive advancement to positions of increasing responsibility as commissioned officers in the United States Air Force and to assist in discharging where necessary any institution obligation to offer instruction and military training. The Air Force blue has become a dynamic tradition at our college, and its training has been responsible for the development of fine citizens.
Introducing us to the tiny world of molecules, the Chemistry Department provided one dimension to the domain of the physical sciences. The "rotten egg smells" were offset by the satisfaction of successfully identifying our unknowns and obtaining the ability to conduct ourselves properly in a chemical laboratory.
The accepted practices of drawing board technique and the special relationships of descriptive geometry were ably taught us by the Engineering Drawing Department. The Department's insistence on perfection will stand us in good stead in the clarification and the explanation of our ideas.
SEATED, left to right: Prof. N. C. Keables, Dr. H. A. Estrin, Prof. W. H. Crater. STANDING: Mr. G. P. Zirnute, Mr. S. B. Winters, Mr. R. L. Wacker, Mr. D. W. Miller, Prof. C. S. Johnson, Dr. A. H. Steinberg, Mr. S. F. Robinson, Mr. J. N. Wise.

HEAD COMMITTEE

Professor Nelson C. Keables, Chairman; Dr. Herman A. Estrin, Executive Associate; and Professor Warren H. Crater.

One of the most important parts of our education was developed by our English Department in leading us through compositions, literature, speeches, and essays to the proficiency needed to complement our engineering curriculum. The Department enriched our lives with its social-cultural offerings.
The basic tool of all sciences was well bestowed on us by the Mathematics Department. The calculus, vectors, “di-fi-qu” all made the “interesting” problems solvable and will provide a basis for clear logical thinking in the future.
Chairman .................. Dr. Robert Kiehl
Executive Associate ...... Professor Paul Cambreleng

An awareness of the professional ethics, social responsibility, and professional development of the engineer was instilled within us by the Personnel Relations Department. Our technical knowledge was supplemented with the intangibles necessary to achieve a successful career as an engineer and a member of society.
As the encompasser of many scientific elements, the Physics Department whets our appetites for future work in the professional departments. The principles learned in physics were used and reused throughout our college years and will be valuable throughout our careers.
PHYSICAL EDUCATION

LEFT TO RIGHT: Professor Paul Hausser, Professor Robert Swanson, Mr. J. Malcolm Simon.

Chairman .................. Professor Robert F. Swanson

From providing instruction in physical education in our freshman year to coaching all major, minor, and intramural sports, the Physical Education Department has added to the physical dimension of our college lives.
IN THE
BEGINNING
The nucleus was formed four years ago . . . It had its inception at Freshman Orientation, when the 405 gathered to hear the first words of their college life . . . As classwork progressed, the facts voiced at orientation began to have more meaning and the realization materialized that this was not an academic drill . . .

With its lunch-bag decor, the Commons became a very familiar scene, and while sipping a coke, we all learned to dodge ping-pong balls . . .
Our first square dance was the most successful affair of its type in the history of NCE . . . Energy was gained as the nucleus elected an honorary member from the secretarial staff bringing the total number of co-ed to four . . . Traditional bad weather hampered the activity on the boat trip to Bear Mountain, but did not dampen the spirits of the "crew" . . . April brought about the first major class election . . .
Ed Kondracki was elected president for the sophomore year . . . When summer vacation began, the noise of the blasting for the groundwork of Cullimore Hall was hardly noticeable.

As the sophomore year began, the nucleus was somewhat smaller, but not lacking in energy . . . As shown by the gathering at the Knoll Country Club (with the usual bad weather), the dances were more populated . . .
Enough money was separated from the class for a one-year sponsorship of Phillipe, a very pleasant experience for all of us.

Too often engineering students are accused of losing themselves so successfully in their work that they forget there are extracurricular activities—or even a world outside of their own. Our class, as sophomores, took exception to this supposed rule and adopted a needy child overseas through the Save-the-Children Federation. The sponsorship lasted for one year. During that time we became more than just friends with Phillipe in France. He expressed the relationship very nicely in one of his first letters when he said that he was very pleased and proud to discover suddenly that he had several hundred big brothers—and sisters.

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Phillippe Labbé Somon

Bolbec, 26th November 1957

Dear Sponsor and dear friends,

It is with my heart full of thankfulness that I send you my deepest thanks for all your generosity towards me. First I have received a postorder of 6,300 francs. My aunt bought me a pair of lined fur boots that cost 5,000 francs. Then Thursday I received the wonderful package. The cover is very nice, and my aunt will make me some bed sheets with the material. Grandmother tasted the nice sweets; after all you have been spoiling us and I thank you ever so much.

It is with great pleasure that I receive the kind letters that you send me. Tonight I have to do my school exercises and I will write you soon to thank you in a longer letter.

I am sending you dear Sponsor and dear friends all my sincere gratitude.

Philippe Labbé-Somon

P.S.—Ever so many thanks for all that you are doing for us and especially for Phillipe. Believe me, dear Sirs, that I am very grateful.

Y. Somon

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As a result of our donation, Phillipe (who lived with his aunt and grandmother) received five greatly needed packages containing food, clothing, and household articles. At the end of the year the remainder of the donation was given to Phillipe in cash. To supplement the packages sent by the SCF, we held a clothing drive which resulted in two large packages of clothes for Phillipe, his aunt, and his grandmother. The Somon family expressed their appreciation in every letter that they sent to us.

It would not be enough to say that we profited from our friendship with Phillipe. No one could put into words what each of us felt when we realized that we had stopped long enough in our busy routine to extend a hand of friendship to a stranger. Phillipe will never forget what has happened.

Nor shall we.
The steel strike ended and under the critical eyes of students and faculty, construction again was under way on Cullimore Hall. The Married Couples Club held its first meeting and gave the veterans a chance to show off their school to their wives and gave the wives a chance to look over the secretaries. During the summer the club held a clambake at Sea Girt, which was so successful that it became an annual affair.

By this time the nucleus was strong enough to divide itself among its varied interests, and we chose our professional departments.
With the beginning of the junior year came the selection of candidates for the departmental honor societies as well as membership in SAM, ASME, ACS, AIChE and ASCE . . . The Chemicals acquired another building which we all came to know . . . Who can forget the long walk to the T-Building? . . . The Civil and Chemical Honor Societies received charters from the national organizations . . .

Although the weather continued to plague us for the Junior Dance at the Canoe Country Club, it broke tradition and was pleasant for the Junior Prom . . . Both dances filled the clubs to capacity . . .
Just about the time our class ring was selected, classes began in Cullimore . . . And the T-Building was left to the Chems . . . The new dining hall in Cullimore opened and Miss Weiher began a new phase of her career . . .

Weston Hall gave way to modernization and NCE took its second major step in building improvements . . . Then came the vocational guidance tests, and we punched holes and answered questions that would mean a great deal to us later on . . .
ROTC members planned their tactics for the coming summer at a regular USAF base. Some of us attended the 1958 graduation exercises as ushers and ended the year with anxious thoughts.

The open-house parties at the frat houses culminated the year's efforts. And we prepared for the last year.
Counseling interviews were under way, and we discovered what we really wanted to be . . . The Senior Dance at the Crestmont Country Club proved successful both socially and financially (at last) . . . In October the Red Cross wheeled its bloodmobile to NCE and 47 students parted with a pint . . .

The count-down began . . . John Seazholtz elected Student Council president . . . Ed Kondracki, class president for the third consecutive year . . . Karl Preusse, IFC president . . . Ed Klehr, Honors Council chairman . . . Mike Turk and Vic Pelkowitz, co-editors of the Technician (we mean Vector of course) . . . Cliff Seipel, ICC chairman . . . The yearbook editors began to worry (they still are worried) . . .
Over 4000 dollars was collected in the Student Council sponsored bond drive as a start on the coming cultural center . . . Resumés . . . Company propaganda . . . End of first semester was the noisiest ever . . . Second semester interviews started and took preference over class work . . . The Military Ball, as usual, was successful . . . And then the Birdmen began to feel the weight of the gold bars . . . Class night held on May 23 (stag) with entertainment from the students and the faculty . . . Coach Bauder's piano playing and imitation of Durante were horrendous . . .

The Senior Prom was the biggest social event of our history, and this is saying quite a lot . . . But the most important night was, of course, the commencement exercises at the Mosque Theater . . . And then it was over!

The nucleus had been active for four years, and now it is ready to break apart and emit its particles to the various areas of the country, wherever they are needed.
THE

SENIORES
CHEMICAL
Blocks away from the main college buildings stands a tower of glass and valves. Here the Chemical Engineering Department, composed of serious and dedicated students, complete their requirements. With the aid of an excellent staff of instructors and research men, they carry the name of our college to the ever-growing chemical industries.
CHARLES R. DOLECKI
Student Council, Secretary; J.V. Basketball; Sigma Pi; Sabre Air Command; American Rocket Society; Newman Club; ACS; AIChE; Section Representative.

JOSEPH F. DALY
Student Council, Secretary; J.V. Basketball; Sigma Pi; Sabre Air Command; American Rocket Society; Newman Club; ACS; AIChE; Section Representative.

WALLACE B. BERMAN
AIChE.

ROBERT M. CASCIANO
Tau Beta Pi; Omega Chi Epsilon, Vice-President; AIChE; Honor Societies Council; Intramural Basketball.

PAUL H. DAN
AIChE; NCE Rhythmaires Orchestra; AIChE Reactions, Cartoonist; ACS; Dance Club.

JERRY L. CAROVILLANO
AIChE; Dance Club; ACS; Intramural Bowling.

WALLACE B. BERMAN
AIChE.

ROBERT M. CASCIANO
Tau Beta Pi; Omega Chi Epsilon, Vice-President; AIChE; Honor Societies Council; Intramural Basketball.

PAUL H. DAN
AIChE; NCE Rhythmaires Orchestra; AIChE Reactions, Cartoonist; ACS; Dance Club.

CHARLES R. DOLECKI
CHARLES J. GROSSMAN
Intramural Bowling; ACS; AIChE; Honors Option; Photography Club; Audio Club; Dance Club.

STANLEY R. GILBERT
Intramural Bowling and Softball; AIChE; "Technician," Exchange Editor, Circulation Manager; Editor, AIChE "Reactions;" Publications Council.

JOHN D. GRANT

THADDEUS W. GUBERNAT
AIChE; Intramural Basketball; and Softball.

EUGENE R. HAUSER
Varsity Bowling Team; Chess Club; Intramural Bowling and Basketball; Class Council; Arnold Air Society; Phi Eta Sigma; AIChE.

JOSEPH J. HELMINSKI
Alpha Sigma Mu; AIChE.
GERALD R. KAMM
AIChe.

JAMES A. LIPUMA
AIChe; ACS; Section Representative; Newman Club; Dance Club; Intramural Bowling.

MORRIS KIBRICK

ROBERT L. McCREA

CHARLES M. MACDONALD
AIChe, Secretary; Class Council; Alpha Sigma Mu, Trustee; ACS; Intramural Basketball.

LEONARD S. MILAZZO
GABRIEL N. PITACCIATO
Varsity Soccer, Captain; Ski Club; Sigma Pi, Secretary, Vice-President; AIChE; ACS; Intramural Basketball and Softball; Interfraternity Basketball and Softball; AA Representative.

EDWARD F. MORAN, JR.
Varsity Baseball, Co-Captain; Varsity Basketball; JV Basketball; Varsity Soccer; Newman Club; Pi Kappa Phi, Warden; Omicron Delta Kappa, Vice-President; Student Council; AIChE.

KENNETH A. MOFFAT
AIChE; Intramural Bowling.

JOHN A. PRAITANO
AIChE; Section Representative; Intramural Basketball, Baseball and Bowling.

DONALD MILLER

HUGH MURPHY
PAUL J. REINMAN
Rod & Gun Club; Intramural Bowling; AIChE; ACS; Phi Eta Sigma; Tau Beta Pi; Omega Chi Epsilon, President; Arnold Air Society; Class Representative.

ROBERT E. RICHARDSON
AIChE; Omega Chi Epsilon, Treasurer.

EDWARD J. SCHUETZ

LYLE C. RYDER
AIChE; ACS.

HENRY STUMPF
AIChE; Intramural Basketball and Bowling.

PETER R. SKWERSKI
Rod & Gun Club; AIChE; Sabre Air Command; Intramural Bowling.
SALVATORE P. TORRISI
AIChE, Vice President; ACS; Class Council; American Rocket Society; "Reactions" Staff; Newman Club; Math Club; American Nuclear Society.

JAMES R. WALLACE
Intramural Basketball and Bowling; Varsity Bowling; Intramural Softball; Section Representative; Phi Eta Sigma; AIChE, Treasurer.

MICHAL SZARANOWSKI
ACS; AIChE.

EARL W. WHITTLE
Section Representative; Intramural Bowling; American Rocket Society; AIChE, President; Photography Club; AIChE; Reaction Staff; ACS; Professional Societies Council.

WALTER S. WOLLAK

LEO B. WILLNER
Phi Eta Sigma; Omega Chi Epsilon, Secretary; Tau Beta Pi, Cataloger; Chess Club, Vice-President; Table Tennis, Secretary; Intramural Bowling; AIChE; "Reactions" Staff; "Technician."

Camera Shy
JAMES L. DURAND
HENRY PAULSON
JAMES T. RYAN
KENNETH F. STEWART
DONALD SWAKOPF
JAMES A. TURNBULL

44
CIVIL
Chairman Professor William LaLonde
Executive Associate Professor James Robbins

Constantly watching the growth of our college is a small group of men dedicated to construction and growth—the Civil Engineering Department. Being the first branch of engineering, the civils hold a special place in our profession. As long as there is change and progress in our society, we shall find and need civil engineers.
FRED H. BACHMANN, JR.
Rifle Club, Vice-President; Rifle Team, ASCE.

LOUIS R. BAIANO
ASCE.

CHARLES H. F. BLUMELING, III
Tau Delta Phi; Rifle Club; Softball.

JOHN BUBROW

JAMES E. BARR
ASCE; Intramural Softball.

DONALD T. COOPER, JR.
ASCE; Honors Option Program.
LIONEL D. EATROFF
Chi Epsilon.

STEPHEN J. DE ZAIO
ASCE; Intramural Softball; Intramural Basketball; Dance Club.

MICHAEL D. DISKO
Chi Epsilon; Pi Delta Epsilon; ASCE; Art Editor, "Orbit;" Publications Council; Editor, "Surveyor;" Intramural Basketball; Intramural Softball.

LIONEL D. EATROFF
Chi Epsilon.

JOHN P. FUNSCH
ASCE; Intramural Softball; Intramural Basketball; New Building Committee; Honors Option.

WILLIAM D. FRANKLIN
Varsity Cross Country Team; ASCE.

JOHN G. DONARGO
Chi Epsilon.
WALTER E. GUNDAKER
ASCE, Treasurer; Chi Epsilon; Class Representative; Intramural Bowling, Intramural Softball, Intramural Volleyball; Honors Option.

ALVIN C. HERMAN
ASCE; Marshall, Chi Epsilon; Chairman, New Building Committee.

ANDRIJ HONCZARENKO

MINDAUGAS JATULIS
Motor Club, Secretary, President, Delegate to New Jersey Council of Sports Car Club; Audio Club; Photography Club; Sabre Air Command; ASCE, Secretary.

FREDERICK J. HOFMANN
Intramural Basketball; Bowling; Softball.

MICHAEL L. MARESCA
"Orbit" Staff, Co-Editor.
HERBERT F. MAYER
Chi Epsilon; ASCE; Glee Club; Christian Fellowship, President, Vice-President, Secretary, Treasurer; Sabre Air Command; Intramural Volleyball; Honors Option.

LOUIS RAIMONDI

HAROLD NIGHTINGALE, JR.
Motor Club, Treasurer, Rally Committee; Intramural Bowling; Section Representative; ASCE, Social Committee.

FELIX J. ROSPOND
ASCE; Chi Epsilon; Associate Editor, Transit; Vice-Chairman, Metropolitan Section ASCE.

THEODORE P. SCHUMM
Rifle Club; ASCE; Intramural Basketball; Intramural Softball.

GEORGE H. SCHNITZER
Student Council; Assistant Editor, "Surveyor;" Varsity Bowling Team; Intramural Basketball; ASCE.
FRED SCORDO
ASCE; Intramural Basketball; Intramural Softball.

DONALD W. SMITH
Phi Eta Sigma; Tau Beta Pi; Chi Epsilon, President; ASCE; Intramural Basketball.

RALPH P. SOMMARIVA
Pi Kappa Phi; ASCE; Newman Club; Intramural Basketball; Intramural Softball; Interfraternity Basketball; Section Representative.

EDWARD R. SOWINSKI
Pi Kappa Phi, Historian, Chaplain; ASCE; Newman Club; CE Representative to Class Council; Section Representative; Sabre Air Command; Intramural Bowling; Intramural Basketball; Intramural Softball; Intramural Volleyball; Distinguished Military Student.

HENRY J. VITZ
ASCE.

DANIEL C. VALENTI
ASCE; Honors Option.
FRANKLIN WILLIAMSON

Freshman Council; Chairman Constitution Committee; Sabre Air Command, Commanding Officer; ASCE; Chi Epsilon; Honors Option; Intramural Basketball; Intramural Softball; Intramural Volleyball; Intramural Bowling.

JOHN WINECKER

Varsity Soccer; Co-Director Intramural Volleyball League; Section Representative; Christian Fellowship; ASCE; Sabre Air Command; Staff of "Surveyor;" Intramural Bowling; Intramural Basketball; Intramural Softball; Intramural Volleyball.

Camera Shy

CHESTER S. BROZOWSKI
DAVID E. DECKER
LEO ECKMANN

J. F. FOX
RAYMOND A. HOWARD
RAYMOND LORD
ALLEN LUBNICK

WILLIAM H. MARTIN
TERENCE J. McGHEE
JAMES PRATT
LUDWIG J. WIEDMANN
ELECTRICAL
Amid the complexity of the electron’s activities is a large group of painstaking explorers. Combining their talents with a maze of expensive equipment, the students of the Electrical Engineering Department seek and record and then turn to seek again. Because of their training at the college, they can face the intense electronics industry in a proud and able manner.
CARMINE C. BALBO
Phi Eta Sigma; Eta Kappa Nu; Tau Beta Pi; Recording Secretary; Omicron Delta Kappa; Math Club, President; Alpha Sigma Mu; AIEE; IRE, President; Honors Option Program.

ANTHONY A. BELL
Phi Eta Sigma; AIEE; Tau Beta Pi, Vice-President; Eta Kappa Nu, Vice-President; Arnold Air Society, Secretary; Omicron Delta Kappa; Intramural Softball; Honor Societies Council Representative; Engineer's Council for Professional Development, Guidance Program, Chairman.

HOWARD R. BEELITZ
Eta Kappa Nu, Recording Secretary; Tau Beta Pi; Honors Option.

BERNHARD BLUTINGER
Rod and Gun Club; Math Club, Vice-President; AIEE; Class Council; Tau Epsilon Phi.

CARMEN M. BENIMELI
Rifle Club; Cheerleader; Glee Club; "Technician," Advertising Manager; Kampus Kapers, Treasurer; New Jersey Collegiate Press Association, Corresponding Secretary; IRE; Alpha Psi Omega; Radio Club; "Nucleus;" Class Council; Ski Club.

STANLEY O. BERG
IRE; Ski Club; Rod and Gun Club.
ELMER R. BODNAR
Class Council; Recording Secretary, Class of 1959; Varsity Bowling Team; AIEE; IRE; Radio Club; Ski Club; Interfraternity Council Representative; Alpha Sigma Mu; Intramural Softball.

RICHARD J. BRISCOE
AIEE; IRE.

SERGEI W. BOGAENKO

RICHARD L. BRAYDEN

RICHARD L. BURROWS

GEORGE G. BUTENKOFF
Eta Kappa Nu; Tau Beta Pi; IRE; AIEE; Intramural Softball; Yacht Club; Student Council; Honors Option Program.
HENRY W. CANFIELD
Intramural Softball; Intramural Basketball; "Technician," Circulation Staff; Tau Delta Phi, Corresponding Secretary, Treasurer; IRE.

ROBERT A. CICERO

ROBERT B. CHAMPLIN
"Technician," Sigma Pi; Class Council; Interfraternity Council; AIEE; IRE.

ANDREW T. D'AMICO
AIEE; IRE.

CONSTANDINO A. CIRELLI
AIEE, Vice-President; IRE; Newman Club, Corresponding Secretary, President; Class Council; Interclub Council; Pi Kappa Phi, Chaplain; Interfraternity Basketball and Baseball.

NOEL E. CRAM
VINCENT R. DE STEFANO
IRE.

MICHAEL DYDYK
Table Tennis Club; Rifle Club.

HANS J. E. FISCHER
AIEE; Arnold Air Society; Intramural Volleyball; Honors Option; Distinguished Military Cadet.

JOHNSON A. FLOREN
Math Club, Corresponding Secretary; Class of 1959, Vice-President; Class Council; IRE; Forensic Society; Alpha Sigma Mu; Married Couples Club.

THOMAS M. FLANAGAN
AIEE; IRE.
ERNST F. GERMANN, JR.
Eta Kappa Nu; IRE; AIEE; American Rocket Society.

ROBERT A. FREIDAY
Tau Beta Pi; Eta Kappa Nu; Phi Eta Sigma; IRE; AIEE; Honors Option Program.

JAMES I. GEARY

PAUL GIANAS
Phi Beta Tau, President; "Technician," Sports Editor; Radio Club; "Nucleus;" Intramural Basketball; Intramural Bowling; Yacht Club.

JOHN J. GLOSEK
Phi Eta Sigma; Eta Kappa Nu; Tau Beta Pi; Omicron Delta Kappa; AIEE; IRE, Treasurer; Math Club, Treasurer; Alpha Sigma Mu, President.

WILLIAM GILLESPIE, JR.
Phi Eta Sigma; IRE; AIEE.
GUS A. GUTIERREZ

WALTER J. GLUCHOSKI

EDWIN M. GOLDBERG
Kampus Kapers, Music Director; Alpha Psi Omega, President; IRE; Radio Club; NCE Dance Band, Rhythmaires, Assistant Band Leader, Band Leader.

SAMUEL C. HANNA
AIEE; Soccer Team.

AARON GOLDBERG

HUGH J. GUNN
EUGENE G. HANNON
Intramural Bowling.

WAYNE A. HEMBREE
IRE; Phi Eta Sigma; Eta Kappa Nu.

GEORGE V. HECTUS
IRE; Intramural Volleyball.

PHILIP W. HERRLE, JR.
Tau Beta Pi; Eta Kappa Nu; Radio Club;
Alpha Sigma Mu, Vice-President; IRE; AIEE,
Chairman; Class Council; Honors Option.

CHARLES W. HEIM
Phi Eta Sigma; Eta Kappa Nu; IRE; AIEE;
Honors Option.

EDWARD HLIPALA
Phi Eta Sigma.
ALLEN H. HOLLINGSWORTH
Alpha Phi Omega, President; Vice-President; Treasurer; Alpha Sigma Mu, Treasurer; AIEE; IRE; Radio Club; Photography Club; Varsity Rifle Team; Captain; Class Council; Who's Who Among Students in American Universities and Colleges.

JOSEPH C. JAGIELLO

WILLIAM KAPLAN
Eta Kappa Nu; "Orbit" Staff; Audio Club; Class Council; Varsity Bowling; AIEE; IRE; Intramural Bowling.

JOHN W. HOWARD
Tau Beta Pi; Eta Kappa Nu; IRE; Married Couples Club.

LAWRENCE A. KOMINIAK
Pi Kappa Phi.

RONALD A. KAUFMAN
Class Council; Class of 1959; Corresponding Secretary; Phi Eta Sigma, Vice-President; Eta Kappa Nu; Omicron Delta Kappa; Tau Beta Pi, President; Who's Who Among Students in American Universities and Colleges; Alpha Sigma Mu; AIEE; IRE.
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MICHAEL KOWALSKY
Radio Club, President; Audio Club, Treasurer; Dance Club; Photography Club; Interclub Council, Secretary; IRE, Vice-Chairman; Alpha Sigma Mu.

JOHN M. KREIN
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BARRY D. KUSHNER
AIEE; Intramural Basketball; Bowling and Badminton; Honors Option; Class Council.

LEON J. KOZLOWSKI
Rifle Club; Alpha Phi Delta; Intramural Bowling.

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ERIC V. MADSEN
Phi Eta Sigma; Intramural Softball; Eta Kappa Nu.

BERTRAM LE MUNYON
Alpha Sigma Mu; IRE; Intramural Basketball; Christian Fellowship, President; Audio Club.

CLAYTON D. LUCE
Kampus Kapers; Audio Club, President; Newman Club; Yacht Club; IRE; Interclub Council.

EDWARD K. MARRIE
IRE; Intramural Basketball; Math Club; "Nucleus;" Audio Club.

CHARLES S. LocASTRO
Eta Kappa Nu; Math Club; Class Council.
ROBERT W. MARSCHALL
Phi Eta Sigma; Eta Kappa Nu; Alpha Sigma Mu; Rod and Gun Club; Treasurer; IRE; AIEE; Interfraternity Softball; Intramural Volleyball; Married Couples Club.

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Phi Eta Sigma, Historian; Tau Beta Pi; Eta Kappa Nu; Omicron Delta Kappa; Alpha Psi Omega; Who's Who Among Students in American Universities and Colleges; Pi Kappa Phi, President; AIEE; IRE; Kampus Kapers, President.

JAMES W. McCOURT
Class Council; AIEE.

BERNARD W. MERKLE
Intramural Basketball, Volleyball and Softball; Radio Club.

JOSEPH W. O’ROURKE
Pi Kappa Phi, Historian, Treasurer; Phi Eta Sigma; Intramural Bowling.

HARVEY MORGINSTIN
Tau Delta Phi; AIEE; IRE; Kampus Kapers.
RAYMOND C. ORTMAN
Class Council; AIEE, Secretary, Treasurer; IRE; Eta Kappa Nu; Christian Fellowship; Honors Option Program.

CHARLES QUINTAVELL, JR.
Alpha Phi Delta, Treasurer, Chaplain; Arnold Air Society; AIEE; Dance Club.

HARRY REINIG

MORRIS M. PERUGINI

THOMAS J. PLINIO
Alpha Phi Delta, President, Vice-President, Corresponding Secretary; Alpha Psi Omega; AIEE; Glee Club, Vice-President, Dance Club; Sabre Air Command, Sgt. at Arms; Who's Who Among Students in American Universities and Colleges; Class Council; Rifle Club; Kampus Kapers.

JAMES E. REYNOLDS
Athletic Association, Representative, Treasurer, President; Sigma Pi Fraternity; Varsity Tennis Team; Arnold Air Society, Treasurer; Distinguished Military Student; Student Council; Co-Director Intramural Basketball League; Intramural Basketball; Who's Who Among Students in American Universities and Colleges.
JOHN RICHARDSON

JOSEPH SALERNO
IRE; Math Club; Radio Club; Honors Option.

THOMAS ROONEY

WALTER R. SCHAEFER
Varsity Fencing; AIEE; IRE; Sigma Pi.

BRUCE L. SAMITT
IRE; Bridge Club, President, Vice-President; Interclub Council; Radio Club.
ROBERT M. SCHUSTER
IRE.

ALBERT E. SCHMIDT

JAMES SCHEIBNER

KENNETH H. SHOTWELL
AIEE; Intramural Bowling; Mars, Chief Operator; IRE.

JOHN R. SCHWIND

SAUL SHERMAN
Radio Club; Audio Club; AIEE; IRE.
WILLIAM P. SHVIDRIK

IRE; Intramural Volleyball.

ROBERT H. SKIDMORE

IRE; AIEE; Intramural Bowling; Math Club; Kampus Kapers Club; Sabre Air Command.

JOHN A. SINKER

Tas Delta Phi; Intramural Basketball, Bowling, and Volleyball; Bridge Club; Newman Club.

BERTRAM SIMON

DONALD W. SMITHEMAN

ALFRED A. SLOCUM

Intramural Bowling.
ROBERT P. STANION
Intramural Basketball and Bowling; Newman Club; Rod and Gun Club.

MARTIN SPERBER
IRE; Radio Club; Math Club; Kampus Kapers Dance Band; Honors Option.

MELVIN SPITZ
Bridge Club; AIEE; Intramural Basketball; Audio Club.

STEVEN W. STOMPF
Intramural Basketball; Audio Club; AIEE; Eta Kappa Nu, Bridge Correspondent; Tau Beta Pi; Honors Option.

JOSEPH J. STRANO
Sigma Pi; Interfraternity Basketball; Intramural Softball; Tau Beta Pi; Eta Kappa Nu; AIEE; IRE; Audio Club; Radio Club.

ASHLEY C. THORNDIKE
HERBERT J. TOEGEL
Tau Beta Pi; Eta Kappa Nu; Alpha Sigma Mu; AIEEE; IRE; Math Club; Radio Club.

JOHN N. TRIANO

THOMAS A. VARETONI
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WILLIAM WOOD
Class Council; IRE; Intramural Basketball.

JOHN R. VELEBER

GERHART R. WOERNER
Phi Eta Sigma; Alpha Phi Omega; IRE; AIEEE; Honors Option.
JAMES R. WOODS
Class Council; Intramural Basketball, Softball and Volleyball; AIEE; IRE.

DONALD S. YOUNG
Eta Kappa Nu; AIEE; Tau Beta Pi; Honors Option.

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JOSEPH A. BENNETT
E. BOUFFARD
JOHN B. BRADFORD
JOHN A. BROWER
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DONALD CUTTRISS
EUGENE A. DEMBINSKI
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DONALD FRANK
RALPH RINGSTAD
DONALD ROSA
JOHN RUSINKO
LOUIS P. SCHLAEFER
IVAN SILVER
CORNELIUS C. SULLIVAN
RICHARD SUTTON
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ROBERT TESCHNER
BERNARD P. TOTH
HERMANN J. WUERDEmann
ROBERT A. YEATES
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The Management Engineering Department turns out a rare hybrid student. A combination of a competent background in Mechanical Engineering with business and management courses prepares the students of this department for many varied industrial responsibilities. Although few in number, the students of this department have proved to be large in spirit and talent.
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ASME; ARS; SAM; Intramural Basketball, Bowling, and Softball; Student Council.

ROBERT J. BANSER

HAROLD K. BIRD

WILLIAM E. BETZNER
ASME; SAM.

MICHAEL BOGOSH
Intramural Baseball, Softball and Basketball; SAM; ASME; Alpha Sigma Mu; SAM, President.

ROBERT G. BURTHA
ASME; ARS; SAM; Intramural Basketball, Bowling, and Softball; Student Council.

JAMES G. CAIROLI
ASME; SAM; Rod and Gun Club; Class Council; "Technician," Photography Editor.
JOHN COTTER

"Technician," News Editor; "Orbit," Business Manager; "Nucleus," Senior Editor; "Steamlines," Staff Writer; Who's Who Among Students in American Universities and Colleges; Class Council; Math Club; Intramural Basketball; Married Couples Club; Graduation Usher; SAM; ARS; ASME, Treasurer; Pi Delta Epsilon; Pi Tau Sigma, Pledge Chairman; Senior Prom Committee; New Buildings Committee.

WILLIAM P. CASTLE

ASME; SAM; Sophomore Council, Corresponding Secretary; Student Council, Treasurer, Vice-President; Chairman Student Council Finance Committee; Chairman, Social Committee; "Technician" Staff; "Samaritan" Staff; "Nucleus" Staff; Pi Tau Sigma; Who's Who Among Students in American Universities and Colleges; Intramural Bowling, Basketball, Softball, Volleyball; Dance Club; Rod and Gun Club; Graduation Usher.

KENNETH W. CLARK

ASME; SAM; Intramural Basketball; Intramural Softball; Graduation Usher; Christian Fellowship.

WILLIAM F. GROVES

Alpha Sigma Mu, Vice-President; Married Couples Club; Varsity Fencing Team; Class Council Representative; ASME; "Nucleus," Literary Editor; Intramural Softball and Bowling; SAM; Victor's Day Committee; Intramural Basketball.

JOSEPH A. GIORLANDO

Alpha Phi Delta; Intramural Basketball and Bowling.

CARL H. ILG

SAM; ARS; ASME; Varsity Fencing Team; Alpha Sigma Mu; Math Club; Intramural Bowling and Baseball.
MARTIN N. KANN
SAM; ASME; Pi Tau Sigma, Winner, Technical Paper Contest; Arnold Air Society; Sabre Air Command; Class Council; Baseball Team; Intramural Sports.

EUGENE A. KAPLAN
ASME; Chairman; Intramural Basketball and Bowling; Newman Club; Math Club; SAM; President, Professional Societies Council.

JOHN G. KOMSA
ASME; SAM; Married Couples Club, Secretary.

ANTHONY T. KOBYLINSKI, JR.
ASME; "Log NCE," Co-Editor; "Technician," News Editor and Staff Member; "Nucleus," Co-Features Editor; Intramural Basketball.

GEORGE L. LIPPMAN
Tau Delta Phi.

MARTIN E. LEONARD
SAM, Corresponding Secretary; Newman Club.
ROBERT LYNETTE
Tau Delta Phi, Secretary; Table Tennis Club, President; Athletic Association; SAM; ASME; Bridge Club; Intramural Bowling; Table Tennis Team.

VICTOR A. PELKOWITZ
Co-Editor in Chief, "Technician;" Honor Societies' Council, Secretary; Publications Council; Pi Delta Epsilon; Who's Who Among Students In American Universities and Colleges; ASME; SAM; Intramural Basketball; Student Morale Committee; "Nucleus" Staff.

JOHN McCREA
SAM; ASME; Table Tennis Club; Sigma Pi.

RICHARD F. PIPAN
ASME; SAM.

EARL W. PARKER

JOHN W. PLOCH
ASME; SAM.
ARTHUR PORCELLI

EDWIN H. RODGERS
SAM; ASME; Class Council; Honors Option.

THOMAS P. ROMAGNOLI
SAM, Vice-President; ASME; Alpha Sigma Mu; "Technician," Greek Gossip Column; Math Club; Intramural Softball; Interfraternity Softball.

MATTHEW ROLNICK
SAM; Intramural Basketball.

VICTOR A. ROTOLO

JOSEPH ROGERS, JR.
JOSEPH J. SANTIGLIA

"Nucleus," Co-Editor; Class Council; "Technician" Staff; Co-Chairman, Student Council Welfare Committee; Chairman, Student Council Finance Committee; Sabre Air Command; Arnold Air Society; Pi Tau Sigma; Alpha Phi Delta; Who's Who Among Students in American Universities and Colleges; ASME; Intramural Bowling.

JOSEPH F. SCHOENIG

Class Council; SAM; ASME; Intramural Bowling, Softball, Volleyball; Publications Council, Secretary; "Technician" Staff; "Samaritan," Co-Editor; Who's Who Among Students in American Universities and Colleges; Married Couples Club; "Nucleus," Features Co-Editor.

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Intramural Baseball and Bowling; Table Tennis Team, Vice-President; "Technician" Staff; "Samaritan" Staff; ASME; SAM; "Nucleus" Staff.

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SAM, Recording Secretary; Senior Class Council; "Technician" Staff; "Samaritan" Staff; Alpha Sigma Mu, Interfraternity Council; Basketball; Intramural Softball and Bowling; "Nucleus" Features Staff; ASME.

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Student Council, President, Vice-President; "Nucleus," Co-Editor; Who's Who Among Students in American Universities and Colleges; Arnold Air Society; Executive Commander; Athletic Association, Secretary; National Student Association Representative; Class Council; Pi Kappa Phi; "Technician," News Editor; Forensic Society, Secretary; Soccer Team; Intramural Sports; ASME; Sabre Air Command.

JEROME S. SHAFIR

"Nucleus," Co-Editor; Class Council; "Technician" Staff; "Samaritan" Staff; Alpha Sigma Mu, Interfraternity Council; Basketball; Intramural Softball and Bowling; "Nucleus" Features Staff; ASME.
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ASME; SAM; "Technician" Staff; "Samaritan" Staff.

MICHAEL A. TURK
"Technician," Co-Editor-in-Chief, Features Editor; Pi Delta Epsilon, President; Who's Who Among Students in American Universities and Colleges; Pi Tau Sigma; Publications Council Chairman; "Nucleus," Associate Editor; ASME; SAM; Student Council; Student Morale Committee; Chairman of Junior Class Election Committee; Intramural Basketball, Basketball, Bowling; Ski Club; Dance Club; Graduation Usher.

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Publications Council, Business Manager; "Technician," Art Editor; "Orbit," Editor; "Samaritan," Art Editor; Class Council; SAM, Treasurer; ASME; SAE; Pi Delta Epsilon; Who's Who Among Students in American Universities and Colleges; Intramural Basketball; Square Dance Chairman.

F. WILLIAM STEELE
SAE, Vice-Chairman; "Orbit," Advertising Manager; Senior Class Council; ASME; SAM; Motor Club; Intramural Softball.

ALBERT P. VERCAMMEN
"Samaritan," Co-Editor; Publications Council; ASME; SAM; Intramural Basketball and Bowling.

DINO C. VERGANO
JOHN H. WILLIAMS
American Rocket Society, President; ASME, Vice Chairman; "Technician," Features Editor; "Orbit," Features Editor; SAM.

ROBERT H. ZEILLER

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NORMAN ANDERSON
EDWARD BLYSKAL
WILLIAM BOLAN
S. CARPENTER
DONALD FITTON
W. HAYES
WILLIAM HEFFNER
WILLIAM LAUER
ROBERT McEWEN
RONALD SECKAR
WILLIAM TRIMMER
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MECHANICAL
DEPARTMENT OF MECHANICAL ENGINEERING

Surrounded by the constant throbbing of their compressors and by the hissing of their steam generators, the Mechanical Engineering Department maintains the moving organism of industry. Using the truth of science as their guide, this able group of instructors and students stand as a pillar of strength in our college.
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ASME; Pi Tau Sigma.

ANTHONY I. AGRESTA, JR.
Section Representative; Photography Club; Alpha Phi Delta; ASME; Ski Club; Chairman Freshman Dance Committee.

FREDERICK E. BETZ
Sigma Pi; Herald; Sabre Air Command; Forensic Society, President; Intramural Basketball; Student Council, Corresponding Secretary; ASME.

PHILIP ADINOLFI

WILLIAM A. BERGE
Pi Tau Sigma; Alpha Phi Omega; ASME; SAM; American Rocket Society; Flying Club; Ski Club; Photography Club; Intramural Basketball; Class Representative.

FRED P. BARRIE
DONALD T. BURKE

FRED T. CARUSO

Intramural Softball.

FRED C. BORJES

American Nuclear Society, President; American Rocket Society, Secretary; ASME; Pi Delta Epsilon; "Orbit," Circulation Manager; Section Representative; "Technician; Intramural Basketball; Dance Club; Graduation Usher.

MARTIN F. BEYER

Varsity Baseball, Captain; Varsity Basketball, Captain; ASME; Golf Club.

JOHN L. BYRNE, JR.

DAVID V. BRUCE

FRED T. CARUSO

Intramural Softball.

Section Representative; "Technician; Intramural Basketball; Dance Club; Graduation Usher.

DAVID V. BRUCE

FRED C. BORJES

American Nuclear Society, President; American Rocket Society, Secretary; ASME; Pi Delta Epsilon; "Orbit," Circulation Manager; Section Representative; "Technician; Intramural Basketball; Dance Club; Graduation Usher.

MARTIN F. BEYER

Varsity Baseball, Captain; Varsity Basketball, Captain; ASME; Golf Club.

JOHN L. BYRNE, JR.

DONALD T. BURKE

FRED T. CARUSO

Intramural Softball.
GEORGE CHAPLICK
Alpha Sigma Mu; ASME; Section Representative; Intramural Bowling and Basketball.

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Pi Tau Sigma; Arnold Air Society; ASME; Class Council Representative; Rod and Gun Club; Intramural Basketball; Intramural Softball; Recording Secretary, Class of 1959; Class Night Committee; Pi Kappa Phi.

MICHELE A. D'ANTUONO
ASME; Varsity Soccer; Alpha Phi Delta, Historian; Class Council Representative.

ANGELO C. COLUCCI
Class Council Representative; ASME.

F. PETER DEAN
ASME, Recording Secretary; Forensic Society, Treasurer.
JOHN N. DEZIO
ASME; Newman Club; Intramural Baseball.

RICHARD H. DIERKES
ASME; Intramural Basketball.

ROY DIETRICH
Intramural Basketball; Sabre Air Command; ASME.

JOHN T. DOWD
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GERARD FERNS

ALBERT EISENSTEIN
PASQUALE J. FLORIO, JR.
Alpha Phi Delta, Historian.

WILLIAM A. GARDNER
American Rocket Society, Recording Secretary; Married Couples Club; ASME.

WILLIAM E. GILLIAM

ROSARIO GIOIA

JOHN A. GIBSON, JR.
ASME.

CHARLES W. GLADE
Intramural Bowling.
MARIO GOMES
Class Council Representative; Treasurer, Class of 1959; Intramural Baseball, Intramural Bowling; ASME; SAM; Married Couples Club; Alpha Phi Omega.

PETER J. HALPIN
ASME; Intramural Basketball.

STEWART E. HARTKOPF
Arnold Air Society, Commander; Pi Tau Sigma; Sabre Air Command; ASME; Intramural Basketball, Softball, Bowling and Badminton.

GEORGE J. HERDEGEN
Varsity Bowling Team, Captain; Intramural Softball.

DONALD B. HARDY
Christian Fellowship; ASME.

JOHN C. HOAGLAND
Glee Club.
CHARLES J. HORTON
ASME; Ski Club; Dance Club; "Orbit" Staff; Intramural Softball and Basketball; Rod and Gun Club; American Nuclear Society.

JOHN J. HUDAK

WILLIAM F. IMFELD
ASME; Phi Eta Sigma; Pi Tau Sigma; Sabre Air Command; Arnold Air Society; Intramural Basketball and Softball.

FRANK J. KENNA

NICHOLAS W. HUZIL
ASME; SAM; American Rocket Society.

E. KARL KRAFT
ASME; SAE.
EDWARD E. KLEHR
Honor Societies Council, Secretary, Chairman; Pi Tau Sigma, Corresponding Secretary; Phi Eta Sigma, President; Omicron Delta Kappa; Phi Beta Tau Fraternity, Corresponding Secretary, Treasurer; Who's Who Among Students in American Universities and Colleges; "Nucleus," Business Manager; Varsity Baseball; Class Council; Student Council; Chairman, Student Council Activities Cards Committee; Student Council Activity and Awards Committee; ASME; ARS; Christian Fellowship; Math Club; Dance Club; Yacht Club, Vice-Commodore; IFC Basketball and Softball; Intramural Basketball, Bowling and Softball.

GEORGE A. KRITZLER
"Orbit," Art Editor, Advertising Manager, Co-Editor; Photography Club; ASME; ARS, Vice-President; Pi Delta Epsilon, Vice-President; Publications Council, Vice-President; Intramural Basketball; Intramural Bowling, Graduation Usher; "Technician;" New Jersey Collegiate Press Association; Married Couples Club; Interclub Council.

ROBERT V. MAHON

JAMES S. LOCKWOOD
ASME; Command Squadron.

HEIKI MARTVELI
ASME.

HARRY C. McGINTY
DU FRENÉ S. MEDRICK

ALLAN G. MONKA

WAYNE E. McGOVERN
Pi Tau Sigma, President; Phi Beta Tau, Vice-President; Manager, Varsity Basketball Team; Junior Varsity Basketball Team; Athletic Association, Treasurer; Newman Club; Yacht Club; Dance Club; Interfraternity Council; Chairman, Student Council Activity and Awards Committee; Omicron Delta Kappa; Who's Who Among Students in American Universities and Colleges; ASME; Arnold Air Society; Sabre Air Command; IFC Basketball and Softball; Intramural Basketball and Softball.

HERBERT J. MORELLO
ASME; Ski Club; Dance Club; Intramural Softball, Basketball, Volleyball; American Nuclear Society.

GEORGE K. NUTZ, III
Arnold Air Society; ASME; SAE, Secretary; NCE Motor Club, Treasurer; "Nucleus" Staff; "Technician" Staff; Intramural Bowling; Interclub Council.

GENNARO MOLA, JR.
Ski Club; ASME.
SANDER E. NYDICK
ASME; Intramural Basketball; "Orbit" Staff; Honors Option.

KARL E. PREUSSE
Varsity Fencing, Captain; Interfraternity Council, Vice-President, President; Sigma Pi, Pledgemaster, President; Forensic Society, Vice-President; ASME; Pi Tau Sigma; Omicron Delta Kappa; Who’s Who Among Students in American Universities and Colleges.

PATRICIA A. OBERDING
Cheerleader; Kampus Kapers; ASME; Pi Tau Sigma, Recording Secretary; Phi Eta Sigma Special Award; Tau Beta Pi Women’s Badge; Who’s Who Among Students in American Universities and Colleges.

GILBERT F. PERLEBERG
Arnold Air Society; Sabre Air Command; ASME; Class Council Representative; Intramural Bowling.

WILLARD E. OLDES, II
ASME; Motor Club; Dance Club; SAE.

EDWARD S. RAPACKI
Intramural Basketball, Volleyball and Softball.
CHARLES P. REILLY
Sigma Pi, Herald; Varsity Tennis, Captain; Intramural Basketball League Director; Intramural Softball, Basketball and Bowling; Interfraternity Basketball and Softball; "Steam Lines;" ASME; "Technician."

ROBERT A. RITTENHOUSE
Married Couples Club; Intramural Basketball; ASME.

STANLEY RUTKOWSKI

ROY D. SANDFORD, JR.
American Rocket Society, Treasurer; ASME; Varsity Baseball; Newman Club; Pi Tau Sigma; Graduation Usher.

BENJAMIN H. ROBINSON
Tau Delta Phi, Corresponding Secretary, Vice-President, Custos; Pi Delta Epsilon, Treasurer; Dance Club, Vice-President, President; "Technician," Circulation Manager; ASME; SAE; Interclub Council; Interfraternity Council; Interfraternity Sports.

JOSEPH W. SCHIESL
Motor Club, Secretary, Vice-President; SAE, Vice-President, President; ASME; Newman Club; Intramural Bowling, Basketball, Softball, Volleyball; "Technician;" Dance Club; Class Council.
CHARLES E. SCHMITT
Phi Eta Sigma; Pi Tau Sigma; Tau Beta Pi; Omicron Delta Kappa; Alpha Phi Omega; President; ASME; Ski Club; Newman Club; Class Council; Cullimore Fund Committee Chairman; Honors Option Program.

CLIFFORD D. SEIPEL
ASME; Phi Eta Sigma; Pi Tau Sigma; Alpha Phi Omega; Treasurer; Interclub Council, Chairman; Radio Club, Chief Operator; Ski Club; Intramural Basketball, Bowling, Softball and Volleyball.

ROBERT SCHREITMUELLER

ALFRED W. SEALE
ASME; SAE; Dance Club.

PAUL D. SINISCAL
Cross Country; Dance Club; Newman Club; Yacht Club.

PAUL S. SKOPOWSKI
ASME; Intramural Volleyball, Basketball, Bowling and Softball.
WILLIAM J. SMITH
Alpha Sigma Mu; Photography Club, Vice-President, President; Rod and Gun Club; Rifle Team and Club, President, Manager; Intramural Volleyball and Softball; Athletic Association Publicity Director.

JAMES R. SPECHT

LEON H. SNEAD

WILFORD C. SODOMA
ASME; Kampus Kapers Dance Band; Rod and Gun Club; "Nucleus" Staff; Math Club.

WILLIAM SQUIRE
ASME; Intramural Bowling; Tau Epsilon Phi, Historian, Vice-Chancellor; Photography Club; Interfraternity Council.

DAVID L. STEEL
Motor Club, Vice-President; Intramural Bowling; Pi Tau Sigma; Dance Club; ASME.
JOHN STENNER

BRUCE SUMMERS
Intramural Volleyball; Sabre Air Command, Executive Officer; ASME.

IVAN F. STUART
Sabre Air Command; Arnold Air Society, Operations Officer; ASME; Highland Rifles.

PAUL H. SUTPHEN
ASME; Intramural Bowling, Softball, Volleyball.

EDWARD A. SZOTT
SAE; ASME; Motor Club; Student Council; Alpha Phi Omega; Intramural Baseball and Bowling; Ski Club.

WILLIAM R. THORBORG
Intramural Volleyball, Bowling, and Softball; Junior Varsity Basketball; Class Council; ASME; Pi Kappa Phi.
ANTHONY A. VANagas
Pi Kappa Phi, Historian; “Nucleus,” Photography Editor; Student Council, Treasurer; ASME; Newman Club; Student Council Finance Committee; Varsity Soccer Team; Dance Club; Arnold Air Society; Intramural Bowling; Ski Club.

ALBERT M. WAGNER, JR.
Pi Kappa Phi, Secretary; Pi Tau Sigma; Phi Eta Sigma; Class Council; ASME; Golf Club, President; Athletic Association; “Technician;” Intramural Volleyball, Softball, Basketball and Bowling; Dance Club; Honors Option Program; “Nucleus.”

ARTHUR R. VANNUCCHI
“Technician,” Exchange Editor, Advertising Manager, Business Manager; “Orbit,” Circulation Manager; Pi Delta Epsilon; Pi Tau Sigma; ASME, Corresponding Secretary; American Rocket Society.

HENRY WEISS
Intramural Bowling and Basketball; Tau Delta Phi; ASME; SAM.

STANLEY E. VernoVAGE
ASME; Varsity Basketball; Junior Varsity Basketball; Rifle Club; Intramural Bowling, Softball and Volleyball.

GEORGE J. WELSCH
Intramural Softball, Basketball, Bowling and Volleyball; Class Council; ASME; American Nuclear Society.
THOMAS L. ZALESKI

IRWIN ZINNES
ASME; Class Council; Intramural Basketball and Softball; Co-Director, Volleyball Tourn-ament.

PAUL ZUCKER
Class Council; ASME; Pi Delta Epsilon; Arnold Air Society; "Technician" Staff, Features Editor; "Orbit" Staff; "Cadet" Editor; "Log NCE," Co-Editor, Editor; Intramural Softball, Volleyball and Basketball; Dance Club.

Camera Shy
RONALD ANDRAS
DAVID ANTHONY
HARVEY HAMMER
WAYNE HOFFMAN
RUSSELL HOPE
WALTER JOHNSON
THOMAS KAYE
HOWARD KRESSLER
JOHANN KUNST
MICHAEL LENHARDT
BRUCE LOCK
SALVATORE MALANGA
AMBROSE MAUND
SALVATORE MAZZONE
EDWARD MIELAK
MICHAEL PAPPAS
HENRY RADEL
ROBERT ROSS
ROBERT SAVAGE
RICHARD SCHWARTZ
GERHARDT STICHLING
WILLIAM STRAIT
BENJAMIN SURDI
N. SWEETMAN
NELLO ZANDONELLA
It doesn't take long for each year's crop of freshmen to get to know the "at-home" feeling that comes with any contact with Professor Swanson. They sense it not only in his active participation in their basketball, softball, volleyball, and badminton games, but particularly in those informal chats which put everyone at ease, relieving the pressure of their first exposition to the tough grind of an engineering curriculum. The daily sacrifice of time and effort on the part of "Mr. Dance Club" to round off our education and to insure that it is studded with enjoyable experiences and lasting friendships is phenomenal. The Dance Club, which he founded and of which he is advisor, has become an institution at NCE—and it sure is wonderful to see him there every Friday night. Never too busy to referee a basketball game, never too busy to talk over individual problems or to offer advice, Professor Swanson has contributed much toward making our four years here pass all too quickly.

Invested now with the responsibility of supervising and co-ordinating all student activities, he has reached out to more students with his guidance, his wisdom, his companionship. His open-door policy does not stop at his office. Many of us remember his invitations to drop in at 45 Mayfair Drive, West Orange. Upon arrival you would find an open door, four lovable Swanson kiddies, and Mrs. Swanson would have a cake in the oven and a pot of coffee on the stove. All in all, Professor Bob Swanson's contribution to the experiences and friendships we have shared and to the education we have garnered has been great. NCE would not be NCE without him.
ACTIVITIES
STUDENT COUNCIL


President ............................................. John Seazholtz
Vice President ....................................... William Castle
Corresponding Secretary ......................... Robert Kobberger
Recording Secretary ............................... Barry Shandler
Treasurer ............................................. Anthony Vanagas
Advisers .......................... Dr. Herman A. Estrin, Professor Robert F. Swanson
"The meeting is called to order"... Every other Tuesday, President John Seazholtz began the Student Council meetings with that familiar phrase. During the course of the year the Council discussed the plans and problems of the student body and acted as a hub co-ordinating the activities of the student body. The Council consists of one representative from the Athletic Association, Interclub Council, Interfraternity Council, Publications Council, Honors Council, Professional Societies Council, and the four classes.

The work of the Student Council was carried out through its committees, which worked continually throughout the year. The Financial Committee aided the council in apportioning the funds of the Student Council and in regulating the revenues from activities, fees, and other sources. The Social Calendar Committee regulated the schedule of the college, co-ordinating them to allow maximum benefits to the student body. The New Building Committee worked with the administration in planning the student lounge areas for the new building.

Beginning the holiday season at the Annual Christmas Convocation.

"And why not?"

In the fall the Student Council worked with the faculty and alumni in the College Fund Campaign to aid in the development of facilities for higher education. In December, the Annual Christmas Convocation was held, and once again the feeling of brotherhood was fostered throughout the student body. As the new year began, the Council worked with the administration in laying plans for the forthcoming 75th Anniversary of the college. For the first time the Student Council in conjunction with the administration made nominations to Who's Who Among Students in American Universities and Colleges. In late April the Student Council sponsored the first college-wide affair. An ice skating party held at the West Orange Iceskating Rink.

The year showed many accomplishments. In co-operation with Dr. Estrin and Professor Swanson, the Council was able to develop a closer relationship between students and the administration and practice together one of the principles of the philosophy of engineering upon which the College was founded—the development of the "whole man."
Carols by the Christian Fellowship Club Members.

Kick-off of the College Opportunities Campaign Fund.

NCE Lobbyists move out smartly.

NCE participation in National Student Association.

Coeds + Costumes + Halloween = Successful United Appeals Drive.

Guest Soloist at Christmas Convocation.

First Schoolwide Skating Party.
Who's Who Among Students in American Universities and Colleges

Who's Who Among Students In American Universities and Colleges extended its recognition to NCE for the first time in 1959. Students were nominated by a Student Council committee from the Junior and Senior classes, which based selections on participation in activities, academic standing, and leadership.

From the list of nominees submitted, twenty-six were selected to appear in the book which will be released in July of this year.

Along with a write-up in "Who's Who," each member is eligible for a gold key. Also available to members is a service of furnishing resumes for business or educational groups on request of the member.

NCE is grateful to "Who's Who" for the national recognition granted its outstanding students.
SENIOR CLASS COUNCIL

CLASS OF 1959
President .......... Edward Kondracki
Vice President ..... Thomas Varetoni
Corresponding Secretary
Ronald Kaufman
Recording Secretary
Millard Cherry
Treasurer .......... John Dowd
Adviser .......... Professor Robert Poetz

JUNIOR CLASS COUNCIL

CLASS OF 1960
President .......... Michael Cafone
Vice President ..... Joseph Kulpinsky
Corresponding Secretary
Martin Hoffman
Recording Secretary
Jacqueline Kane
Treasurer .......... Charles Churchill
Adviser .......... Mr. J. Malcolm Simon


SOPHOMORE CLASS COUNCIL

CLASS OF 1961

President David Festa
Vice President Thomas Fennessey
Corresponding Secretary Frances Callanan
Recording Secretary Carol Rose
Treasurer Donald Andres
Adviser Mr. Clarence Johnson


FRESHMAN CLASS COUNCIL

CLASS OF 1962

President Eugene O'Brien
Vice President Martin Murphy
Corresponding Secretary Edith Jeffrey
Recording Secretary Eileen Middelstaedt
Treasurer Paul Scraggs
Adviser Dr. Herman A. Estrin

The eight varsity and five intramural teams of NCE’s complex athletic program are administered by the Athletic Association’s elected officers.

Funds for the operation of all athletic clubs are received from the Student Council. The administration, the purchasing, and maintenance work of all phases of athletics are done by the Association.

With the administrative assistance of the Athletic Association, the athletic clubs are run by their respective coaches and captains. The capable job done by the Association is reflected in the large participation by students in the athletic program.
The 1958-1959 Highlander basketball team was as unpredictable as the weather. Coach Fred Bauder changed his offense and defense repeatedly in an effort to find a winning combination. Plagued by injuries, the club finished with a respectable seven wins and eight losses.

Through graduation Coach Bauder loses high scoring Marty Beyer and the always dependable Stan Vernovage and faces a rebuilding job next season. Bobby Taylor, a promising sophomore, should help make the job a little easier.

Win or lose, the NCE five provided exciting basketball for the cage enthusiasts at the college.

Captain .................. Martin Beyer
Manager .................. Wayne McGovern
Coach .................... Professor Frederick Bauder
After a disastrous 1958 season the Highlander baseball squad is looking forward to a more successful campaign in 1959.

Coach Paul Hausser is molding the club around veteran co-captains Marty Beyer and Ed Moran. Joe Kulpinsky, hard hitting junior, will hold down first base; and if the pitching staff comes through, NCE opponents are in for a rugged time.

The tough eleven-game schedule for 1959 is highlighted by the April 25 games against Stevens Tech. NCE will go into the game with six games under its belt and it should be a good one.
The NCE bowling team represents the college in the Eastern Intercollegiate Bowling Conference. The five-man team average of 792 is bolstered by the pinwork of Jerry Schomberg and seniors George Herdegen and Bill Kaplan. In the stiff competition of the 25-team league NCE is 95 pins off the pace set by the leaders. Hopes to close the gap are high.
FENCING TEAM

BACK ROW, left to right: Mr. Marshall Natapoff, Assistant Coach; Thomas Hallgarth, Dan Mahan, Peter Van Splinter, Louis Giordano, Roland Barth, Alan Perry, John Terninko, Joseph Boschi, Philip Bloom, Manager; Dee Mageros, Professor Paul Hausser, Coach. FRONT ROW: Leonard Wise, Arthur Anderson, Ira Shulman, Louis DeVito, Karl Preusse, Captain; Dymeitro Durbak.

After a slow start in its opening match against Pace, the Fencing Team went on to complete a fine 6-2 record for the season. The efforts of the team were greatly aided by Coach Paul Hausser, Assistant Coach Marshall Natapoff, and Captain Karl Preusse.

The season was brought to a climax at the NCE Invitation Fencing Tournament, in which NCE finished a close third, only three points behind the leader.

Coach Professor Paul Hausser
Captain Karl Preusse
The soccer team, after a long rebuilding job, finished a fine season in 1958 with a record of four victories, one loss, and three ties.

Led by Roland Barth and Louis DeVito, who received All-Eastern Honors, and Captain Gabe Pitacciato, the team fought through the tough eight-game schedule in championship style.

Losing only Pitacciato, Winecker, and Moran by graduation, Coach Simon expects an undefeated season in 1959.

The record of the soccer team from 1955 through 1959 is thirteen wins, thirteen losses, and six ties.
GOLF CLUB

President .................. Albert Wagner
Adviser .................... Mr. Hanus

When it comes to avid participants in athletics, golfers have no peers. The small group of golfers at NCE can be found on the local courses, weather permitting or not, in the endless hunt for birdies, eagles, and the rare ace . . . fore.

CROSS COUNTRY TEAM

NCE's Cross Country Team may not have many members, but the men it has show remarkable spirit. This year the 5-man team ran in meets against F.D.U., Upsala, Paterson, and St. Peter's. Due mainly to limited practice, the team did not fare too well, but a never-say-die spirit prevailed.

KNEELING, left to right: P. Siniscal, Professor R. Swanson, Coach.
STANDING: J. Perrera, G. Sevchuk.
In 1956 Elliot Sazer and Robert Lynette organized the varsity table tennis team and began one of the most popular activities at the college. The new table tennis room in Cullimore Hall is the scene of the varsity and inspired intramural competition. It is used continually by students who look for fun and exercise.

The varsity team led by Elliot Sazer and Bob Lynette has matches planned with Princeton University and Philadelphia College of Pharmacy. As the season progresses, an expanded schedule is anticipated.
When the weather is above freezing and the ground is dry, the Tennis Team begins to work out for the matches beginning in April. Professor Fithian's teams are a hard-working group holding their own against tough intercollegiate competition.

The 1957 season was a successful one with the final record of five victories and three losses. The overall record from 1955 through 1958 is nine victories and thirteen losses.
The rifle enthusiasts at NCE enjoyed participation in the Rifle Club and varsity team with matches held under the auspices of the Metropolitan Intercollegiate Rifle League away and at home.

The NCE sharpshooters, under the expert instruction of their coaches, have compiled a 27 won, 26 lost record from the 1955 through 1958 seasons.

KNEELING, left to right: H. Jewik, A. Hollingsworth, M. Leahey.

President ................................................. William Smith
Vice President .......................................... Fred Bachman
Secretary-Treasurer .................................... Leonard Wise
Captain .................................................... Allen Hollingsworth
Advisers ............................................... Captain Quann, Captain Warner,
                                           Mr. Rights
The Yacht Club was organized to provide the opportunity for NCE students to apply their sailing prowess. Since the Yacht Club is a member of the Athletic Association, it has plans of participating in intercollegiate races. With this dream as an inspiration, the club hopes to provide an interest in the art of boat building, boat design, and racing.

The major part of the Yacht Club's activities this past year was in getting their sea-going vessel ship-shape on the campus between Campbell Hall and the lab building.
Approximately five-hundred people participate in the intramural sports program at the college.
Badminton, bowling, basketball, softball, and volleyball teams enthusiastically compete throughout the school year.
Under the able direction of Professor Robert Swanson, the Student Activities Office handles the mountainous task of forming, scheduling, and recording intramural sports activities.
The program provides many hours of healthful activity and sheer enjoyment.
Our cheerleaders have inspired both the basketball team and the spectators. Their pep and vigor have often given the team incentive to fight to score that final point which is often the difference between winning or losing. Led by co-captains, Pat Moran and Carol Rose, the twelve girls have attended all of the basketball and some of the soccer games.

The regular cheerleaders are Jackie Kane, Jacquee Jones, Pat Moran, Carol Rose, Maureen Cronin, Fran Callanan, Pat Oberding, and Carmen Benimeli. The alternates are Pat Minella, Eileen Middelstandt, Leona Balkenende, and Carol Scherneck.
The HSC was formed at NCE five years ago. It is an organization which coordinates and represents the interests of all the honor and recognition societies on campus.

The council sponsors a dinner each semester, during which all recent initiates in the various societies are introduced. A prominent speaker addresses the gathering.

Composed of a representative from each individual society and four elected officers from the various societies, the HSC has made great strides towards establishing a central unit for NCE’s honor and recognition societies.
Tau Beta Pi, national engineering honor society, is the oldest honor society of its kind. The purpose of the organization is to recognize those men who have brought honor to their college by distinguished scholarship and exemplary character as undergraduates in engineering or by their attainments as alumni in the field of engineering, and to bring about a spirit of liberal culture in the engineering colleges of the nation.

The activities of Tau Beta Pi include a tutorial service for students in the Senior Division, the instructor-rating program for faculty members who request this service, and an annual presentation of several books to the school library.
OMICRON DELTA KAPPA

ODK, the national leadership honor society for men, was founded in 1914 at Washington and Lee University.

The purpose of the Omicron Delta Kappa Society is threefold: first, to recognize men who have attained a high efficiency in collegiate activities and to inspire others to strive for attainments along similar lines; second, to bring together the most representative men in all phases of collegiate life and thus to create an organization which will help to mold the sentiment of the institution on questions of local and intercollegiate interest; third, to bring together members of the faculty and student body on a basis of mutual interest and understanding.

The Newark Circle of ODK received its charter in 1950. Since then, it has striven to fulfill the aims of the parent society.

President Edward Kondracki
Vice President Edward Moran
Recording Secretary Professor Joseph Fitzgerald
Treasurer Allen Hollingsworth
Adviser Dean William Hazell
Chi Epsilon, the Civil Engineering Honor Fraternity since its founding in 1922 at the University of Illinois, has grown until the 50th chapter was installed in the spring of 1958 at Newark College of Engineering.

Chi Epsilon places that mark of distinction on the undergraduate who through high scholastic ability has upheld the honor of the Civil Engineering Department and has adhered to the broad principles of scholarship, character, practicality and sociability.

The object of Chi Epsilon is to contribute to the improvement of the civil engineering profession; to aid in the development of those characteristics which comprise the successful civil engineer, and to encourage any movements which will advance engineering education.
Eta Kappa Nu, the national honorary electrical engineering society, had its Gamma Kappa Chapter established at NCE in 1953. The foremost purpose of the Association is to bring into closer union those men in the profession of electrical engineering, who, by their attainments in college or in practice, have manifested a deep interest and marked ability in their chosen life work whereby mutual benefits may be derived. Also, the purposes of this chapter are to give recognition to those deserving through scholarship and character, to foster scholarship, to promote professionalism, and to form liaison between the Electrical Engineering Department and its students.

President .................................. Thomas Varetoni
Vice President ................................. Anthony Bell
Corresponding Secretary .................... William Lawless
Recording Secretary ......................... Howard Beelitz
Bridge Correspondent ........................ Stephen Stompf
Adviser ..................................... Professor R. Anderson
The Eta Chapter of Omega Chi Epsilon was installed at Newark College of Engineering on December 13, 1957. Its prime purpose is to recognize and promote high scholarship, professional ethics, and original investigation in all fields of chemical engineering. This year the members established a tutoring service for juniors and seniors, as well as a provision for various services for the Chemical Engineering Department. In the future it is hoped to institute other programs in addition to representing the Chemical Engineering Department in the Honor Societies Council. Outstanding seniors and juniors, both male and female, as well as deserving graduate students are eligible for membership by election.
The Newark Tau Theta Chapter of Pi Tau Sigma, the national honorary mechanical engineering society, has a many-purpose objective. These objectives include the fostering of the high ideals of the engineering profession; the stimulating interest in coordinating departmental activities; and the developing in mechanical engineering students the attributes necessary for effective leadership and the assumption of the responsibilities of a citizen in a democracy.

Among the Chapter’s activities are active participation in the Visitors’ Day Program and the tutoring services for ME students. In cooperation with the Department of English, the Chapter also sponsors an annual technical report-writing contest among sophomores.

President .................. Wayne McGovern
Vice President ............... John Dowd
Corresponding Secretary .... Edward Klehr
Recording Secretary .......... Patricia Oberding
Treasurer .................... David Steel
Adviser ...................... Professor George Thom
The aim of Phi Eta Sigma, the National Freshman Honor Fraternity, is to recognize superior scholastic achievement and high morale character among the students. In addition, the fraternity encourages high scholarship among all the students and to this end provides a tutoring service open to all lowerclassmen.

Seven day students were initiated in the spring of 1958, and twenty-two day and evening undergraduate students were initiated in the fall.
The Arnold Air Society, named after the late General "Hap" Arnold, recognizes AFROTC students who demonstrate interest in the ROTC program, excellent leadership qualities, and high scholastic achievement.

In addition to sponsoring the annual Military Ball, the society also maintains a pilot-training device, arranges field trips to air installations, and promotes local civil air patrol and explorer scout troops.

Commander ....................... Stewart Hartkopf
Executive Officer ............. John Seazholtz
Corresponding Secretary ...... Anthony Bell
Operations Officer ............ Ivan Stuart
Comptroller ..................... James Reynolds
Information Service Officer .. Paul Zucker
Adviser ......................... Captain J. Quann
The Newark Cast of Alpha Psi Omega, a national honorary organization recognizing outstanding work in college dramatics, functions primarily to coordinate and direct theatrical entertainments. In addition to its work with Kampus Kapers, Pi Theta has joined with casts in other schools in New Jersey to sponsor intercollegiate dramatic programs. Members are elected on the basis of contributions to college dramatics in the areas of acting, directing, staging and lighting, business properties, and production.
Pi Delta Epsilon assists any organization which requests fraternity, promotes student participation in undergraduate publications and seeks to establish a code of ethics among the staffs of the individual college publications.

Among the purposes of Pi Delta Epsilon are to evaluate the cause of journalism, to foster the mutual welfare of student publications, to develop fraternal spirit among its members, to encourage loyalty to their Alma Mater, and to reward those journalists who have contributed their efforts and services to student publications by admission into the organization.

Pi Delta Epsilon assists any organization who requests aid in its publications. The fraternity also sponsors the writing and editing of "Log NCE."

President .................... Michael Turk  
Vice President ............... George Kritzler  
Secretary .................... Arthur Vannucchi  
Treasurer .................... Benjamin Robinson  
Adviser ...................... Dr. H. A. Estrin
The Interclub Council is the official representative of all the clubs in school. With almost twenty clubs under its jurisdiction, the Interclub Council forms an important part in programming various events. Through careful planning and scheduling, the organizations have been able to hold their meetings and outings with a minimum of interference between club meetings.

As the representative of these clubs in Student Council, the Interclub Council is able to secure funds to keep these organizations functioning. Through these varied fields of interest, the engineering student may broaden his background and make himself a better member of society.
**ALPHA PHI OMEGA**

President Charles Schmitt  
1st Vice President Richard Miske  
2nd Vice President Allen Hollingsworth  
Secretary Richard Abel  
Treasurer Clifford Seipel  
Adviser Professor M. Weller

Alpha Phi Omega, the service fraternity, has really lived up to its name. Its varied activities include ushering at the Kampus Kapers' productions and the Newark Science Fair, maintaining the APO book exchange, and procuring of information and tickets for the Broadway shows, concerts, and television shows. The service that APO has given to the college and the students is immeasurable.

**AMERICAN ROCKET SOCIETY**

President John Williams  
Vice President George Kritzler  
Secretary Frederick Borjes  
Treasurer Roy Sandford  
Adviser Professor M. Weller

In the brief span of our four years in college, the rocket has gained tremendous acclaim. The fictional story of "Buck Rogers" has almost become a reality. To reach this stage of space cities and interplanetary travel, new branches of science are being developed.

Keeping pace with this world of the future are the men of the rocket society. These men with the engineering background and the flare for imagination will become the leaders of tomorrow.

**SEATED**, left to right: E. Whittle, S. Torrisi, G. Kritzler, J. Williams, R. Sanford, F. Borjes, R. Kroll.

During the late hours of the afternoon, a loud roar of a cannon reverberates through the school. Is our nation at war? No, it's only the Audio Club and its record of "The 1812 Overture." The club has given demonstrations of various types of hi-fi equipment. As part of its program, field trips were taken to see some of the newest of the audio equipment. One of the club's projects is the planning of a hi-fi combination for the student lounge.

The Bridge Club has had another successful year. As one passes through the "lunch box" during school hours or drops into the cafeteria on Friday nights, he will see the familiar faces of the bridge enthusiasts.

The club has participated in many bridge tournaments where master points are given to the winners and the runner-ups.
With an instinct for analytical subjects, the engineer is attracted to the game of chess. Some players actually consider their game from a standpoint of potential energy of each piece. In addition to the games between the members, the club has played matches with other colleges and teams from industry.

To add a new thrill a three-dimensional game was displayed. The theory behind the 3-D game was taught to members of the club which opened a new facet of enjoyment in the game.

The Christian Fellowship is the club which actively participates in the program of Bible study, prayer, and fellowship of the members. The club is dedicated to the truth of God's word, the Bible. The group is affiliated with the Intra-Varsity Fellowship, an organization having chapters in over five hundred colleges in the United States and in foreign countries.
The Forensic Society was organized in our freshman year. This society affords the student the opportunity for expressing himself orally. The club has developed a program of teaching the essentials of debating. In future years, the club hopes to have a debating team to compete in collegiate competition.

LEFT TO RIGHT: David Criste, Robert Cifelli, Fred Betz, James Wojcik.

This club exists solely for the benefit of its members. It was formed in 1959 as the result of a movement started one lunch hour on a warm spring day—a movement that grew to a daily outing. Since its beginning the club has grown at such a fantastic rate that the members feel they will soon be forced to elect officers.

Membership requirements have not been written into any official documents, and at present all that is required is a birth certificate dated previous to 1938 and a greased elbow.
The Newman Club is a group that fosters the spiritual, intellectual, and social interests of the Catholic students at NCE. The club has been very active at the college especially during the Lenten period. The club has had the honor of starting our social season with its annual Newman Club Dance in the Fall semester. The club is affiliated with the National Newman Club Federation, which has units throughout most colleges and universities.

The Mathematics Club was another of the clubs started during our freshman year. Although only a few years old, the Math Club is gaining in popularity under the guiding hand of Professor Barkan. The purpose of the club is to provide the members with a greater knowledge of the practical side of mathematics. Its origin, its development, and the role it plays in our present-day civilization by this goal are accomplished by bringing in outside speakers from industry and by projects undertaken by the members.
"For Love or Money" by . . . . .

KAMPUS KAPERS

President .................. Leon McGuire
Secretary .................. Jacqueline Jones
Treasurer .................. Carmen Benimeli
Advisers .................... Dr. J. Shawcross, Professor F. Bauder, Professor P. Hausser, Professor J. Fithian

As shown by the encouraging reviews given to the Kampus Kapers productions, engineers do have an artistic side to their personalities. The club has afforded an outlet for the creative ability of NCE students despite the heavy schedule that the members carry.

SEATED, left to right: J. Friend, J. Jones, L. McGuire, C. Benimeli, Professor F. Bauder. STANDING: Professor J. Fithian, D. Festa, T. Plinio, Dr. Shawcross, E. Goldberg.
The most popular of all the student activities at NCE is the Dance Club. On each Friday night, the students flock to the gym to learn the art of ballroom dancing. Under the masterful teaching of Professor Swanson, assisted by girls from the nearby colleges, the students learn the basic steps for modern dances.

After the lesson the gym becomes a ballroom with music provided by a combo or by records. The popularity of the club is shown by the large attendance week after week.

OFFICERS

PICTURED BELOW, left to right: Jaison Green, Acting President; Benjamin Robinson, President; Carl Mann, Treasurer.
RADIO CLUB

President................ Michael Kowalsky
Secretary-Treasurer......... Bertram Simon
Chief Operator.............. Clifford Seipel
Adviser.................... Dr. F. Russell

The Radio Club is the haven of the amateur radio operator. The club has been active as the membership has grown to include students from all classes. One of the outstanding jobs done by the club is the tutoring of members who wish to apply for their operator’s license.

SEATED, left to right: C. Benimeli, C. Seipel, M. Kowalsky, Dr. Russell, Adviser; L. Goldberg.

SOCiETY OF AUTOMOTIVE ENGINEERS

Chairman.................. Joseph Schiesl
Vice Chairman............. William Steele
Secretary............... George Nutz
Treasurer............... Lawrence Miloscia
Adviser.................. Professor M. Weller

The SAE was started in the fall of 1957 as a professional society. Since any new society must be established for at least two years before recognition is given by the Professional Societies Council, the SAE is at present under the jurisdiction of the Interclub Council.

The purpose of the organization is to acquaint its members with the problems and solutions in automotive engineering through lectures, speakers, and personal experience.

The Rod and Gun Club was organized to conserve game, fish, and other wildlife. The organization has been instrumental in spreading knowledge of the outdoors to the students at NCE. The highlight of the calendar year is the annual venison dinner. The dinner has brought fond memories to the hearts of all who attended.

The Ski Club was organized to promote the skiing activities among the students and to foster close personal relations between the members. The club has taken many treks to the ski slopes of New York State and Vermont.
The Motor Club is the meeting place of NCE automobile enthusiasts. The club affords the student an opportunity to learn about trends in automobiles. A prime function of the club is the annual rallies. They test the driver's ability to travel courses that are unknown to him and stay within the limits prescribed for the run.
The Intrafraternity Council was formed to broaden the educational and social activities of the fraternities and to provide a liaison between the fraternities, the independents, and the administration. Much time was spent at the beginning of this year to set up new standards and to define more clearly standards for the fraternities at the College. The result was a more active and efficient Council.

Its activities include varied sports program and the annual IFC dance.
Alpha Phi Delta, aware of the expansion of NCE, has undergone a change of its own. The Beta Xi Chapter, which has always had a full social schedule to offer as an outlet for its members, has made a few important additions this year. The Annual Dinner Dance, the Pledge Smoker, the Christmas Dance, the Barn Dance, the Halloween Party, and the Fall Hayride were the usual successes which highlighted the fall semester. Following these came the annual Communion Breakfast at the Waldorf-Astoria, the 29th annual Alumni Banquet, and the newly organized Spring Dance and Summer Picnic, which adds a final note to the social season.

In the service of the community, Alpha Phi Delta had its Christmas Orphans' Party and the First Annual Easter Party with proceeds being donated to a local charity. The spring semester also saw the printing of the first issue of the monthly chapter newspaper, which will serve to draw alumni and undergraduates closer to each other. The strong ties of fraternalism, coupled with capable leadership will see Alpha Phi Delta play a prominent part in the activities of the new NCE.

OFFICERS
President .................. Thomas J. Plinio
Treasurer .................. Charles Quintavell
Corresponding Secretary .... Joseph Anton
Vice President .............. Salvatore Petoia
Recording Secretary ....... Richard Costabile
Adviser .................... Dr. Achille Capecelatro
The fraternity, founded in 1954, is composed of veterans of our armed-forces. In fact, the only requirement for membership is that the person be a veteran.

The fraternity holds meetings once a month and also sponsors various social functions during the college year. The membership is composed of approximately eighty fraters who participate most actively in most of the affairs.

Perhaps the best description of this organization would be the remark once made by a visitor at one of the fraternity socials. He said, "It looks like you have a membership based on friendship among guys who have shared a common experience."
Phi Beta Tau's goals this year were to enhance the reputation of the fraternity and to increase its membership.

Through the brothers' being active in student government, sports, and college activities, Phi Beta Tau is gaining recognition as being one of the most active fraternities on campus. This year some of the brothers received national recognition for outstanding contributions to their college.

A full social program including a mid-semester vacation at Stokes State Forest has helped to increase Phi Beta Tau's membership.
Pi Kappa Phi has overcome its one major problem, namely, locating and securing a suitable house. Its new quarters at 119 Summit Avenue is a great improvement over the old house on Warren Street. Besides this major project, the brothers have engaged in their many social activities. The brothers excelled in student government and activities and six of them were selected for Who's Who In American Universities and Colleges. The brothers along with their many activities still stressed scholarship, as can be noted by their fraternity grade point average of 2.51. During this past year, as in the previous years, the brothers of Pi Kappa Phi have lived up to their purpose and aim: "... to promote fellowship and mutual trust among its members, to uphold the traditions and ideals of the college where its chapters are located, to encourage excellence in scholarship, and to inculcate in its members the highest ideas of Christian manhood and good citizenship."

OFFICERS

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Treasurer ............. John Krein
Secretary ............ Albert Wagner
Warden ............... John Dowd
Chaplain ............. Gus Cirielli
Historian ........... Anthony Vanagas

2nd Semester
Archon ............... David Bannan
Treasurer ............ Edward Ossolinski
Secretary ........... Harold Mason Ford
Warden ............... Anthony Barbara
Chaplain ............. James Brand
Historian .......... Michael Kane
Adviser ............. Professor J. Fitzgerald
The Alpha Mu chapter of Sigma Pi places high on its list of ideals the importance of scholastic achievement and the participation of its members in the extracurricular activities at NCE.

Among the prominent affairs of the fraternity is the Orchid Ball, which is usually held around Thanksgiving Day. Also high on the social list are the Founders' Day Banquet, the Spring Dance, a Halloween party, and the Christmas Party.
The twelfth year of Tau Epsilon Chapter was a highly successful one socially, athletically, and scholastically. Semi-annual pledge parties highlighted the social calendar, which included a George Washington, Halloween, and New Year's Eve Party, a Monte Carlo Night, and a rousing Inter-Fraternity Dance at Twin Brooks Country Club.

Scholastic attainment was reflected in the large percentage of ROTC officers and members in honorary societies. Participation in interfraternity basketball and baseball leagues, coupled with games with rival chapters in Newark and New Brunswick, completed a well-rounded series of activities.
"Friendship, Chivalry, Service . . ." this is the creed of Tau Epsilon Phi. With these as a goal, Tau Psi Chapter is continually striving to make the present better than the past.

In the past year, Tau Epsilon Phi has held at least one social event per month including drag and stag parties, the Annual New Year's Party, and the semi-annual installation dinner.

Social events are being held with the new Rutgers Colony. The high point of the year was the Metropolitan Conclave Ball at the Hotel Statler.

In 1959, the Chapter will act as one of the hosts for the Fraternity's National Convention at Grossinger's, New York.
"Coordination" and "cooperation" are the key words when one is describing the Professional Societies Council. Composed of the presidents of the different professional societies on campus, the group directs its efforts toward the professional development of the individual student members. Occasionally the Council will combine its efforts to sponsor a meeting at which an important speaker would discuss a topic that would be of interest to all students. The Council also has representation in the Student Council.
The ACS is a professional society originally founded for chemical engineers and chemists. The NCE chapter is a member of the national council and is also affiliated with the Intercollegiate Council, which represents nine northern New Jersey colleges and universities.

Among the society's important functions are the development of a professional attitude on the part of the student, the broadening of the student's ideas by association with others of his chosen profession, the coordination of scientific and educational activities in chemistry, and the acquisition of a practical point of view towards various operations in the chemical industry. The society has many activities in which its members participate, such as regional conferences, national conventions, and various field trips to industrial plants.

Accepting responsibility is one of the mainstays of a professional man, and the development of responsible men is the main purpose of the society.
The American Institute of Chemical Engineers is a national engineering society of professional status. In addition to helping students in chemical engineering become acquainted with their professional society during their training period, the NCE student chapter helps provide the student professional growth and broader viewpoints on the chemical industry by means of guest speakers and plant trips. Members are encouraged to participate in the New York-New Jersey Metropolitan Conference of the student organization and in the national A.I.Ch.E. Student Problem Contest. Once each year all chemical engineering seniors take a four-day plant trip sponsored by the chapter in conjunction with the Process and Plant Design Course.
The AIEE after its inception in 1926 at NCE has successfully pursued its aim to broaden the scope of the electrical engineering student by introducing him to all fields of his chosen profession.

By bringing in prominent speakers from industry, watching films on new developments, and touring industrial plants and research laboratories, the student members are introduced to practical problems in the electrical engineering field.

Benefits of student membership include the following: a subscription to "Electrical Engineering" magazine, the use of the Engineering Societies Library and its services, and the opportunity to become an associate member upon graduation.
The ASCE has always stressed professional conduct and integrity among its members. It maintains high ideals and attempts to solidify these ideals in the members and the engineering profession in general.

Besides having an annual convention in New York City, at which the student members get a chance to meet many prominent men in the civil engineering field, the ASCE invites many speakers to address the group at the monthly meeting. Its many social activities include a dinner in the fall, a dance in the winter, and a picnic in the spring.

President          John Donargo
Vice President    Franklin Williamson
Secretary          Mindaugas Jatulis
Treasurer          Walter Gundaker
Social Chairman    Felix Rospond
Adviser            Professor R. Mangasarian
The American Society of Mechanical Engineers, which is open to all students pursuing an M.E. degree, has as its primary object the promotion of professional spirit among its members and the provision of a source of contact with practicing engineers.

The NCE Chapter, which has the largest student membership of any college in the country, includes in its yearly activities conferences with other colleges, field trips to both nearby and distant plants, the showing of instructional films, talks by outside speakers, and student participation at society conventions.

The local chapter’s nine active committees, which carry out the work and thus insure the success of the planned activities, also offer a means whereby individual students can originate, formulate, and adapt their ideas to the interests of the chapter while sharing in a greater part of the chapter’s undertakings.
The Society for the Advancement of Management, the recognized professional society for industrial engineers and managers, offers NCE students pertinent information on the general topics of these fields and also presents opportunities for the students to become acquainted with the people and practices in industry through meetings and plant visits.

The highlights of this year's activities for the chapter was the annual meeting held at the Hotel Suburban in East Orange, which was attended by all. In contrast with the usual meetings, at which the topic of discussion is usually a specific function or a number of different and unrelated topics, this year's program was a well-integrated presentation of the problems that could arise in practically any plant. Proposed solutions to these problems were offered by such renowned authorities as Phil Carroll, the national president of SAM.

Meetings such as this offer the student a close personal contact with professional engineers and managers already advanced in the field.

President Michael Bogosh
Vice President Thomas Romagnoli
Corresponding Secretary Martin Leonard
Recording Secretary Richard Schlein
Treasurer Dean Staudt
Adviser Professor Joseph Rich
The student chapter of the Institute of Radio Engineers performs the important function of introducing student electrical engineers to, and of acquainting them with, the activities and literature of this professional society. Special membership and subscription rates allow the student to enjoy benefits which would ordinarily cost him at least three times as much. In performing this function, the student chapter hopes to achieve two objectives: (1) to supplement the student’s education and broaden his outlook as a potential professional man, and (2) to further the aims of the Institute of Radio Engineers by increasing membership and by insuring that future members will take a more active interest in and have a better understanding of the functions of the I.R.E.
The Publications Council in 1958 became a working organization rather than a title. Its first action of the new year was to adopt a new and complete constitution. For the first time in the history of the college's publications, all the publications submitted their individual budgets in a master budget to the Student Council. Three publications which heretofore had received no aid from the Council were granted finances.

The four permanent members are the Technician, the Orbit, the Log NCE, and the Nucleus. The temporary members are the Samaritan, the Steamlines, the Cadet, the Surveyor, and the AIChE Reactions. Under the auspices of the Publications Council, the AIChE Reactions became the first paper of the Chemical Engineering Department.
The Technician continued, in 1959, to serve the entire student body and the college through complete coverage of all events concerning the students, faculty, and administration. In a concerted effort to aid the college, The Technician came to the aid of the College Opportunities Campaign by publishing a special College Opportunities Campaign Fund Issue to give all the needed facts and figures to arouse student and public interest in the drive to publicize the need for the Bond Issue.

The dedication of Cullimore Hall with Mrs. Cullimore and Governor Meyner present was a big day in the college's history and was captured pictorially and literally on the pages of The Technician.

Columns such as “A Senior Reflects,” “Personality Profiles,” and “Road Racing Rumors” filled out the features area and provided informative and entertaining reading for faculty and students.

February marked the beginning of a new era in the paper's forty-year history. The Technician was no more; The Vector had taken its place. The paper increased its circulation and its physical size to offer more complete coverage for its readers.

In the future The Vector will carry on where The Technician left off with a definite purpose, having "magnitude and direction"—to serve the entire college community.
NCE Gets Research Grant
Dr. Joseph Joffe, director of research at NCE, recently visited the college and gave a lecture on the project.

NCE Booters Crush Stevens
An upset victory in basketball.

Cagers Bomb Rutgers
The Big Red hoopsters reverse form completely.

Greek's Gossip
by Robert Champlin and John Jamison
February 20, 1959

Who's Who Comes to NCE
26 Honored

Hall Dedicated
Governor Meyner Speaks
Plaque Unveiled
'Cullimore Hall, an example of the cooperation of the City and State, bears the name of the College of Engineering as an act of faith. It is all the more necessary, because it is necessary.'

Nobel Winner To Speak
On March 12 at 7:30 P.M., Dr. Linus Pauling will speak at N.C.E. on "The Atom and Its Impact on Society."

NCETo Receive $7,000,000
New Gym High On List
NCE, already growing with its new Cullimore Hall (done) and Weston Hall (coming), is slated to receive $7,000,000 in the State College Fund Campaign.

Ethics Policy Changed
Personality Profiles
by John H. Williams
We often hear about devolution of the
Road Racing Rumors
"The Cadet," the student A.F. R.O.T.C. newspaper, contains information of vital interest to the cadets of N.C.E. The paper presents articles on the role that the Air Force plays in world affairs, along with news of the activities of the corps and brief notes on the future of the Air Force officers of tomorrow.

**Editor** Paul Zucker  
**Adviser** Major Robert Stankey

"Steamlines" is the publication of the activities and service committees of the N.C.E. chapter of the American Society of Mechanical Engineers. Its main function is to publicize meetings, movies, speakers, and conventions. The paper is always eagerly awaited by the students of the Mechanical Engineering Department.

**Editor** Arthur Vannucchi  
**Adviser** Professor J. Weinstein

STANDING: S. Gullito. SEATED: P. Zucker.

SEATED: John Cotter. STANDING: John Williams.
"The Samaritan," the publication of the student members of the local chapter of the Society for Advancement of Management, serves as an excellent example of what can be accomplished in student publications. It not only covers the class activities, social affairs, field trips, and meetings of the chapter but also gives the students an opportunity to express their opinions on the affairs of the college.

"The Surveyor" is published by the student chapter of the American Society of Civil Engineers. It contains articles on chapter meetings, field trips, social affairs, and other activities of interest to the Civil Engineering Students at NCE.
This Nucleus, the four year history of the students of NCE, has come to mean more than just a diary to those attached to it. It represents, even through its title, a process of growth and maturity of a group united in purpose and action. This growth became apparent in many ways. The "Nucleus" of people grew intellectually, developed socially, took on more and more responsibility in college and community.

There were many times when it seemed that this development might be hampered by problems of every imaginable type, but the guiding hand of wisdom and experience was always well within reach and ready to serve, acting as a catalyst—ever aiding yet seldom entering the actual reaction. It is hoped that this book will serve as a reminder to students and faculty alike of the many good times and trials and tribulations which both went through in "growing up."

One typewriter + four thoughts = confusion.

Gee, it's great to be Eddie Klehr's assistant!

Ideas are found almost anywhere.
The Orbit had its beginning at NCE in the spring of 1957. It was intended as a medium by which students could express their ideas in technical papers, essays, stories, or articles. So far it has achieved that purpose. As another service The Orbit has kept us abreast of many new developments in industry and has helped to keep a close association with the progress of some of NCE's outstanding alumni.

Despite the relative youth of The Orbit, it has managed to have a mature and professional look about it that makes it an outstanding undergraduate publication. However, it is the ambition of The Orbit staff to keep it growing and to improve its quality so as to make it an even more outstanding and enjoyable magazine.

During the past year the staff, under the direction of George Kritzler and Mike Maresca, has done an outstanding job on the difficult time-consuming task of putting out three fine editions of The Orbit. However, the great satisfaction that comes with seeing an issue in print makes the effort of meeting deadlines seem well worth while.
During the past school year, "Reactions," a monthly Chemical Department student newspaper, became a new addition to student publications at NCE.

Articles concerning developments in the chemical field, student activity and biographical sketches of the faculty comprise the highlights of this publication.
INFORMAL
Nucleus Staff

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• To strengthen the Association through your active membership and participation
• To benefit from your ideas and suggestions
• To enhance the reputation of the College through your personal esteem

There is more to graduation than a diploma with its formal phrases and impressive signatures, or the pomp and panoply of the ceremony. The true value is in how you use your academic degree and how it represents your College, which, like a manufacturer, is known by the quality of its product. Only by adding your accomplishments to those of your classmates and your predecessors can the prestige of the College and its Alumni be increased.

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President
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to the

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The Class of 1959 will have a special distinction as being the Class whose first year as alumni will be the 75th Anniversary Year of the College.

For it was on February 9, 1885 that the doors of the original Newark Technical School were opened in a small rented building still standing at 21 West Park Street.

The College Administration and the Officers of the NCE Alumni Association therefore join in wishing the members of the Class of 1959 well, and express the hope that, because they are graduating at such a significant time in the College's history, they will take special pleasure in and give special loyalty to the future of the College.

Good luck to the "Anniversary Alumni" of 1959!
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American Institute of Electrical Engineers

ASCE
American Society of Civil Engineers

ASME
American Society of Mechanical Engineers

IRE
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