The 1941 Nucleus

DONALD F. SMITH . . . . Editor
WILBERT H. ZUEST . . Business Manager
The Nucleus

Published by the
Newark College of
In Recognition
We Dedicate

This collection of memories to

Professor Elmer C. Easton, our

class adviser, for the help and

guidance he has given us.
Foreword

We have attempted to make the 1941 NUCLEUS a complete record of the year's activities at the Newark College of Engineering. If, in future years, memories and old friends are recalled by glancing through this volume, we shall feel that our work and time have not been spent in vain.

Contents

Administration and Faculty . . . . 7-19
Seniors . . . . 22-67
Undergraduates . . . . 71-74
Activities . . . . 75-86
Societies . . . . 87-92
Fraternities . . . . 93-100
Athletics . . . . 101-112
Advertisements . . . . 113-124
Administration and Faculty
Perhaps there has been no time in my life and certainly no time in yours when the engineer has had a more direct responsibility or a more definite duty than he has today. It almost seems at the moment as if industry were actually waiting for the graduation of this class of 1941. It is certainly true that never in the history of engineering could a group of young graduates render more direct service to their country and to humanity than you can in this year 1941.

The difference between this war and the last war is startling in the extreme, and it seems quite reasonable to say this war is fundamentally unlike any that we have experienced or that we have engaged in. Today the defense of our country and our institutions rests directly here in America upon the brains, the ability, and the training of engineers and engineering graduates. The great cry so far as defense is concerned is not for men's bodies but for their minds—and for technically trained minds.

The need for the engines and machinery of war is tremendous. The need for untrained men is, in comparison, small. This does not mean that the Army and the Navy do not need the brains of young men, but it does mean that there is in the service as well as out of the service a tremendous call for trained personnel.

Many of you will have to face the question of enlistment either in the armed forces or in industry. I would like to indicate that this is a personal question to be determined largely by your own conscience and by your own feelings in the matter.

It is hard to distinguish today the exact place in which a young engineer can render the maximum of service, but it is clear that upon you rests a very great responsibility, a very great duty, and it is my considered belief from what I have seen of you that this duty will be discharged perhaps not in the same way, in the same branch of service, or in the same industry by all of you but it will be discharged, nevertheless, directly or indirectly, for the good of our country and the American Way of Life.

And perhaps it is only fair for me to say in conclusion that in your hands we who are a little older and have experienced this thing before feel a very definite sense of safety.

President's Message
Board of Trustees
Appointed by the Governor

EX-OFFICIO MEMBERS

HON. CHARLES EDISON
Governor of the State of New Jersey

HON. MEYER C. ELLENSTEIN
Mayor of the City of Newark

*

APPOINTED MEMBERS

WILLIAM L. MORGAN (1942) .
President

FREDERICK L. EBERHARDT (1944)
Vice-President

ROBERT CAMPBELL (1941)
Treasurer

JOS. M. BYRNE, Jr. (1943)

CYRUS H. LOUTREL (1942)

THOMAS N. McCARTER (1943)

GEORGE W. McRAE (1941)

EDWARD F. WESTON (1944)

*

Advisory Committee

CIVIL ENGINEERING
HOWARD T. CRITCHLOW
MORRIS GOODKIND
EDWARD S. RANKIN
J. RALPH VAN DUYNE

ELECTRICAL ENGINEERING
JACOB BARRON
J. WALTER DIETZ
ARTHUR W. LUNN
FREDERICK O. RUNYON

INDUSTRIAL CHEMISTRY
CARLETON ELLIS
W. STUART LANDES
AUGUST MERZ
HAROLD W. PAINE

MECHANICAL ENGINEERING
LILLIAN M. GILBRETH
HERVEY, S. VASSAR
HENRY M. CRANE
ROY V. WRIGHT
Officers of Administration

Allan R. Cullimore
President

James A. Bradley
Dean

Harold N. Cummings
Supervisor of Evening Courses

L. C. Spry
Secretary to the Faculty

Robert W. Van Houten
Assistant to the President

H. H. Metzenheim
Comptroller

Lillian M. Scott
Bursar

Gertrude C. Isaacs
Registrar

Margaret A. Yatsko
Recorder

C. H. Stephans
Supt. of Buildings and Equipment

E. B. Berlinrut
Director of Public Relations

O. P. L. Albert
Director of Publicity

Adele Garrison
Cashier

Margaret Wright
Secretary to the President

Edna Schneider
Secretary to the Dean

Louise Saylor
Asst. Secretary to Faculty

Ira A. Tumbleson
Librarian

Harold N. Cummings

Leslie C. Spry

Henry H. Metzenheim

Robert W. Van Houten

Clarence H. Stephans

Ira A. Tumbleson

Odd P. L. Albert
Civil Engineering Department

Professor Harold N. Cummings
A.B., S.B. in Civil Engineering

Professor William S. LaLonde, Jr.,
S.B. in Civil Engineering, M.S.

Assoc. Prof. James M. Robbins,
S.B., S.M. in Civil Engineering

Asst. Prof. Odd P. L. Albert,
B.S. in Civil Engineering, C.E., M.S.

Asst. Prof. Frank A. Busse,
B.S. in Civil Engineering

Asst. Prof. Charles J. Kiernan,
B.S. in Education

Asst. Prof. Robert W. Van Houten,
B.S. in Civil Engineering, C.E.

Mr. Daniel C. Frost,
B.C.E., C.E., M.Ed.

Harold N. Cummings
William S. LaLonde, Jr.
Charles J. Kiernan
James M. Robbins
Odd P. L. Albert
Frank A. Busse
Robert W. Van Houten
Daniel C. Frost
Electrical Engineering Department

Professor James C. Peet
B.S. in Electrical Engineering, E.E.

Professor Albert A. Nims
B.S. in Electrical Engineering, E.E.

Assoc. Prof. Paul C. Shedd
B.S. in Electrical Engineering

Asst. Prof. Solomon Fishman
B.S. in Electrical Engineering

Asst. Prof. William Jordan, 3rd,
B.S. in Electrical Engineering

Asst. Prof. Frank E. McKone
B.S. in Electrical Engineering,
M.S. in Aeronautical Engineering

Mr. H. Theodore Rights
E.E., M.S. in Electrical Engineering

Mr. Frederick A. Russell
B.S. in Electrical Engineering, E.E.

Mr. Clarence H. Stephans
B.S. in Electrical Engineering
Industrial Chemistry
Department

Professor Vernon T. Stewart
Ph.B., S.B. in Chemical Engineering

Professor Paul Miller Giesy
B.A., M.A., B.Sc. in Chemical Engineering,
Ph.D. in Chemistry

Professor Joseph Joffe
A.B., B.S. in Engineering, M.A. in Physics,
Ph.D. in Chemistry

Assoc. Prof. James A. Bradley
A.B., A.M. in Chemistry

Asst. Prof. Arthur S. Kohler
B.S. in Chemistry, M.S. in Chemical Engineering

Mr. Frederick W. Bauder
B.S. in Chemical Engineering

Mr. Michael Frederick
B.S. in Chemical Engineering, M.S.

Mr. George C. Keeffe
B.S. in Chemical Engineering, M.S.

Mr. Luigi Z. Pollara
B.S. in Chemical Engineering

Mr. Thomas J. Tully
B.S. in Chemical Engineering

Dr. Arthur S. Williams
B.S., A.M., Ph.D. in Chemistry
Professor Frank D. Carvin
B.S. in Mechanical Engineering, M.E., M.A.,
Ph.D. in Physics
Assoc. Prof. Harold E. Walter
B.S. in Electro-Chemical Engineering, M.E.,
M.S. in Physics
Asst. Prof. Francis J. Burns
B.S. in Mechanical Engineering
Asst. Prof. David E. Davis, B.S., M.S.
Asst. Prof. Paul E. Schweizer, M.E.
Edwin S. Camm, B.S. in Aeronautical Eng.
Robert N. Dobbins, B.S. in Mechanical Eng.
Francis W. Fiala, B.S. in Mechanical Eng.
Kenneth A. MacFadyen, B.S. in Civil Eng.
Jerome L. Polaner, B.S. in Mechanical Eng.
August Reminger, Jr.
Harry F. Ritterbusch, B.S. in Mech. Eng., M.S.
Walter E. Salkinghaus, B.S. in Mech. Eng.,
M.M.E.
Physics Department

Prof. Frank N. Entwisle, C.E.

Assoc. Prof. T. Smith Taylor, A.B.,
Ph.D. in Physics


Mr. Paul Nielsen, B.S., M.S. in Civil Engineering

Mr. Paul Selgin, M.S. in Communications Eng.

Mr. Alan H. Stillman, B.A. in Physics

Mr. August E. Zentgraf, B.S. in Civil Eng.

English Department

Assoc. Prof. Frank A. Grammer, A.B.


Asst. Prof. Leslie C. Spry, B.S. in Pedagogy,
M.Pd.

Mr. Frederick C. Burt, Jr., B.S. in Chemical Eng.
Mathematics Department
Professor James H. Fithian, A.B., M.A. in Math.
Assoc. Prof. Edward G. Baker, A.B.,
M.A. in Mathematics, Ed.D.
Asst. Prof. Elmer C. Easton, B.S. in Elec. Eng.,
M.S.
Dr. John E. Freehafer, B.S., M.S.,
Ph.D. in Physics
Mr. Carl Konove, B.S. in Chemical Engineering
Mr. Pompey Mainardi, B.S. in Civil Engineering
Mr. Edmund M. Squire, B.S. in Elec. Eng.

Mechanics Department
Professor Bedross S. Koshkarian, A.B.,
A.M. in Pure and Applied Mathematics
Assoc. Prof. Edward G. Baker, A.B.,
M.A. in Mathematics, Ed.D.
Asst. Prof. Paul O. Hoffmann, B.S., in Mach. Eng., A.M.
Robert Widdop

George D. Wilkinson, Jr.

Frank A. Busse

Paul L. Cambrelen

John C. Hoffman

Oliver J. Sizelove

Thomas Q. Gilson

Edward W. Rice

Elmer L. Devor

Personnel Relations Department

Asst. Prof. Frank A. Busse, B.S. in Civil Eng.
Asst. Prof. Paul L. Cambrelen, A.B. in Econ.
Mr. Thomas Q. Gilson, A.B. in Economics
Mr. Edward W. Rice, B.S., M.Ed.
Mr. Rossman I. Vail

Industrial Engineering Department

Professor George D. Wilkinson, Jr.
B.S. in Mechanical Engineering, M.S.

Professor Emeritus J. Ansel Brooks
Ph.B. in Mechanical Engineering, M.E.

Mr. Elmer L. Devor
B.S. in Industrial Engineering

Mr. John C. Hoffman,
B.S. in Mechanical Engineering

Mr. Oliver J. Sizelove
B.S. in Electrical Engineering
From September, 1924, when Mr. J. Ansel Brooks joined the faculty of the Newark College of Engineering as head of the Mechanical Engineering Department, to February, 1941 when he was appointed Professor Emeritus, the students have constantly admired "the Professor."

Predicting a greater importance for the engineer in the life of the country, the College early formulated the policy of not only developing skilled technical men, but also training engineers for executive positions in industry. When College opened in September, 1934, a new department, the Department of Industrial Engineering, was formed and Professor Brooks was appointed its head. Under Professor Brooks' leadership the department grew in importance until today some twenty percent of the junior and senior curricula of all students in the College are scheduled in the Industrial Engineering Department.

Since 1910, Professor Brooks has been intimately affiliated with the management field. His experience in the field has been extensive, and included working with such outstanding men as Frederick W. Taylor and Frank B. Gilbreth.

A brief sketch of the activities of Professor Brooks indicates to some degree his broad experience, the benefit of which he generously made available to the students at the College.

Born in Worcester, Mass., he spent his school and college days in Connecticut. After graduating from Yale University, he returned for graduate work and received the degree of Mechanical Engineer. Later he attended the Sorbonne in Paris, France. From 1899 to 1903 he was an Instructor on the teaching staff of Yale University, and from 1903 to 1917 he served as Assistant Professor and Associate Professor in the Mechanical Engineering Department of Brown University at Providence, R. I. While at Brown he became intensely interested in "flying machines," and gave many lectures on flying and on Aerial Navigation. About 1910 or thereabouts he entered the new field of scientific management and soon was organizing management courses in and around Providence. During this period he organized the Providence Engineering Society and served as its first President. In 1917 he left Brown and served in the United States Army Air Service at Guersten Field in Louisiana. After the war he spent four years in private practice as consulting engineer, a year with the Veterans' Bureau in charge of educational rehabilitation work in New York and New Jersey, and then in September, 1924, he began his work at Newark College of Engineering.
HISTORY OF THE COLLEGE

Along with the rapid development of the city of Newark in the late nineteenth century, the necessity for an institution devoted to the training of men for industry was realized and appreciated.

The first step toward such a vocational school was undertaken by the New Jersey State Legislature in 1875, and finally in 1881, the state approved appropriations to any city instituting a technical school. The funds advanced by the state were to equal those supplied by the city.

The task of raising half of the $10,000 estimated necessary to start the school was undertaken by a committee in Newark; foremost in this activity was the late Doctor Edward Weston. After three years, subscription and appropriations were raised, and a board of trustees was appointed.

When these arrangements had been completed, the work of organizing the school itself was undertaken. The original site of the Newark Technical School was at 21 West Park Street in a building purchased from the Essex Art Association. The premises were altered to suit the needs of the new institution, and in December of 1884 Professor Charles A. Colton of Fulton, New York, was made director. With an enrollment of 100 men the first classes were held on the evening of February 10, 1885, the courses being in the fundamentals of mechanics and manufacturing.

The underlying principle of Doctor Colton’s administration was to develop a flexibility in technical training which could be adjusted to changing economic conditions. In this respect has each succeeding administration given particular consideration, and now the graduates of the school have the reputation of being in close contact with the most recent developments in modern technology.

In 1896 the present administration building was erected to take care of the ever increasing enrollment and to keep in touch with the more modern trends. Along with the greater enrollment came the necessity for improvements and modifications in the various courses, and in 1911 the present laboratory building was erected—an addition of immeasurable benefit to the institution. Day courses were discussed as of especial worth among many leaders in industry at that time, and Doctor Colton instituted some. However, war conditions interfering, the idea was dropped until 1919.

In January of 1919 the right to confer degrees for a four-year course was granted to Doctor Hodgdon, the newly appointed Director. Incorporated in the Junior and Senior years of the courses was the cooperative employment system, in which the student alternately divides his time between school and industry. This system had many advantages in that the practical problems of technical work were encountered during the college training. How-
ever, such a system requires either too concentrated a course of curtailment of the ground covered in the courses. Hence, the cooperative system was eliminated in the Junior schedule in 1931, but was retained in the Senior year. With the large enrollment of over nine hundred in the college in the last few years, there has been considerable difficulty in placing the students in industrial concerns; therefore, the Senior cooperative work was abandoned in 1940. The class of 1941 is the first to participate in the Honors Option Plan under which the men of higher rank in their classes will be members of an Honors Option Group, which receives special privileges together with the opportunity to work during the summers preceding their Junior and Senior years.

When Doctor Hodgdon left the college in 1920 Allan R. Cullimore was appointed director. Under Director Cullimore's administration the growth of the institution continued, necessitating the erection in 1925 of the academic building known as Campbell hall. Then in 1927 a course in Civil Engineering was added to the curriculum, which already included Chemical, Electrical, and Mechanical Engineering, and in the same year twilight classes were organized. Under this system graduates of the Newark Technical School may receive Bachelor of Science degrees in their courses by completing in three years the work covered in the Junior and Senior years of the college. In 1941 the educational facilities of the college were further extended by the installation of graduate courses. In the present national emergency the college is doing its part through the program of training men for national defense and also by means of the Civilian Pilot Training Courses given under the direction of the C.A.A.

Along with the advancements in curricula, there became evident a rapid growth of interest in extracurricular activities. The student chapters of the professional societies, the A.S.M.E., A.I.Ch.E., A.S.C.E., A.I.E.E., and the S.A.M. have been founded in the past few years. Then too, fraternities have influenced much of the progress of the college from a social standpoint; on the campus are the Alpha Chapter of Alpha Kappa Pi, Alpha Mu Chapter of Sigma Pi, Beta Chapter of Phi Sigma Omega, Kappa Chapter of Phi Delta Mu, and Delta Sigma Zeta. Although the student engineer has little time for outside activities, several varsity teams engage in intercollegiate competition, foremost among which are those in basketball, fencing, tennis, and track.

The purpose of this brief review of the history of Newark College of Engineering is merely to impress on the mind of the readers the brilliant success of this comparatively young institution brought about by the close coupling of interests of its administration, students, and the industries of Newark and surrounding cities.
Seniors
JOHN J. AMBROSE . . .
Mechanical Engineering. 77 Bergen Avenue, North Arlington, New Jersey. Prepared at Technical High School, Providence, Rhode Island. Wright Aeronautical Corporation; American Association of Engineers 5; American Society of Mechanical Engineers 2.

JOSEPH C. BALDAUF . . .
Industrial Chemistry. 108 Clifton Avenue, Clifton, New Jersey. Prepared at Clifton High School. American Institute of Chemical Engineers 3; American Chemical Society 4.

DONALD D. BANKS . . .

LOUIS S. BARNETT . . .
Industrial Chemistry. 12 Vernon Avenue, Newark, New Jersey. Prepared at Central High School, Newark. Phi Delta Mu 2, 3; Vice-President 4; American Institute of Chemical Engineers 2, 3; American Chemical Society 4; Society for Advancement of Management 3, 4; Visitors' Day Committee.
JOHN F. BEATTY . . .

Industrial Chemistry. 131 Park Avenue, Keansburg, New Jersey. Prepared at St. Mary's, South Amboy. Phi Sigma Omega 2, 3, 4; Dance Committee 2; President 3, 4; Nucleus Publicity Editor 4; National Treasurer 4; Intrafraternity Basketball and Bowling 3, 4; Intramural Softball 3; School Publicity 2, 3, 4; Visitors' Day Committee 3; American Chemical Society 4.

MATTHEW M. BELL . . .

Electrical Engineering. 113 Elizabeth Avenue, Newark, New Jersey. Prepared at Central High School, Newark. Phi Delta Mu 2, 3, 4; Rho Epsilon (Charter Member) 3, 4; Vice-President 4; American Institute of Electrical Engineers 4; Radio Club 1; Treasurer 2; Vice-President 3; Intramural Baseball 2; Football 1; Basketball 1; Varsity Table Tennis 1; Visitors' Day Committee 2.

MILLARD R. BERGER, Jr. . . .

Industrial Chemistry. 26 Washington Place, Glen Ridge, New Jersey. Prepared at Lambertville High School. Sigma Pi 2, 3, 4; Library Committee 3; Herald 4; Pledge Committee 4; Intrafrat Football 4; American Institute of Chemical Engineers 2, 3; Recording Section 3; American Chemical Society 4; President 4; Glee Club 1, 2, 3; Intramural Softball 1, 2, 3; Visitors' Day Committee 1, 2.
HORACE L. BICKFORD, Jr. . . .
Mechanical Engineering. 110 Diamond Bridge Avenue, Hawthorne, New Jersey. Prepared at Hawthorne High School. Trunnion 4; American Society of Mechanical Engineers 2, 3, 4; Society for Advancement of Management 4; Table Tennis Club 4; Glee Club 2, 3, 4; Visitors’ Day Committee 2, 3, 4.

HUGO C. BIERTUEMPFEL, Jr. . . .
Industrial Chemistry. 1054 Pine Avenue, Union, New Jersey. Prepared at Union High School. Sigma Pi 2, 3, 4; Advisory Council 2; President 4; Intrafraternity Council 3; Football 2; Basketball 2, 3, 4; Track 3, 4; American Institute of Chemical Engineers 2, 3; American Chemical Society 4; Visitors’ Day Committee 3.

JOHN N. BIRMINGHAM . . .
Mechanical Engineering. 87 Mountainview Avenue, Nutley, New Jersey. Prepared at Nutley High School. Phi Sigma Omega 3, 4; Officer 4; Dance Committee 4; American Society of Mechanical Engineers 2, 3, 4; Senior Dance Committee 4; Visitors’ Day Committee 1, 2.

ELMER J. BOCK . . .
Industrial Chemistry. 184-21st Street, Irving-
VINCENT A. BONACCORSO

Civil Engineering. 513 Park Avenue, Hoboken, New Jersey. Prepared at Demarest High School, Hoboken. American Society of Civil Engineers 2, 3, 4; Student Council 4; M.I.T. Summer Camp 3; Intramural Softball 1, 2, 3; Basketball 1, 2, 3; Ping Pong 4; Visitors' Day Assistant Chairman 3; Usher 1, 2, 3, 4.

LOUIS B. BOS

Industrial Chemistry. 650 Paulison Avenue, Clifton, New Jersey. Prepared at Eastern Academy, Paterson. American Institute of Chemical Engineers 2, 3; American Chemical Society 4; Treasurer 4; Glee Club 1, 2, 3; Intramural Softball 1, 2, 3; Visitors' Day Committee 1, 2, 3.

HOWARD M. BROADMAN

Civil Engineering. 11 Liberty Place, Weehawken, New Jersey. Prepared at Hoboken Academy. Phi Delta Mu 2, 3, 4; Interfraternity Council Committee 4; Football 3; American Society of Civil Engineers 2, 3, 4; Intramural Softball 1, 2, 3; Visitors' Day Committee 2, 3, 4.
JOSEPH F. CALABRESE . . .

Electrical Engineering. 711 South 16th Street, Newark, New Jersey. Prepared at West Side High School, Newark. Edison-Splitdorf Corporation, West Orange; American Institute of Electrical Engineers 6, 7.

ALVIN M. COHAN . . .

Mechanical Engineering. 7806 Bergenline Avenue, North Bergen, New Jersey. Prepared at Emerson High School, Union City. American Society of Mechanical Engineers 1, 2, 3, 4; Visitors' Day Committee 2, 3, 4.

KENNETH S. COLEMAN . . .

Mechanical Engineering. 17 William Street, Kearny, New Jersey. Prepared at Kearny High School. American Society of Mechanical Engineers 4; Intramural Softball 2; Basketball 2; Visitors' Day Committee 1.

JOSEPH F. CONWAY, Jr. . . .

Electrical Engineering. 502 Post Avenue, Lyndhurst, New Jersey. Prepared at Lyndhurst
High School. Phi Sigma Omega 3, 4; Dance Committee 4; Pledge 4; Trunnion 4; American Institute of Electrical Engineers 2, 3, 4; Treasurer 4; Chairman Sophomore Smoker 2; Visitors' Day Committee 2, 3, 4.

WILLIAM R. COX, Jr. . . .
Industrial Chemistry. 35 Glen Park Road, East Orange, New Jersey. Prepared at West Orange High School. New Jersey Tanning Company, Newark.

ARMAND D'AURIA . . .
Mechanical Engineering. 141 Broadway, Newark, New Jersey. Prepared at Barringer High School, Newark. Delta Sigma Zeta 2, 3, 4; American Society of Mechanical Engineers 3, 4; Intramural Basketball 2, 3; Visitors' Day Committee 3.

JOHN J. DeBUSKE . . .
ROBERT G. De GENNARO . . .
Industrial Chemistry. 384 Jersey Avenue, Fairview, New Jersey. Prepared at Demarest High School, Hoboken. Delta Sigma Zeta 2, 3, 4; President 4; Interfraternity Council 4; Basketball 2, 3, 4; Table Tennis 2, 3, 4; American Institute of Chemical Engineers, Secretary-Treasurer 2; Vice-President 3; American Chemical Society 4; Secretary 4; Student Council 4; Intramural Basketball 1, 2, 3, 4; Tennis 2; Visitors' Day Committee 1, 2, 3.

RUDOLPH A. DEHN . . .
Electrical Engineering. 430 Washington Street, Carlstadt, New Jersey. Prepared at East Rutherford High School. Trunnion 3, 4; Assistant Chief Engineer 4; American Institute of Electrical Engineers 2, 3, 4, Chairman of Members Committee 3; President 4; Visitors' Day Committee 1, 2, 3; Nucleus Photography Staff 3, 4.

HAROLD L. DOBRIKIN . . .
Mechanical Engineering. 5307 Park Avenue, West New York, New Jersey. Prepared at Memorial High School, West New York. Phi Delta Mu 1, 2, 3, 4; Initiation Committee 2, 3; American Society of Mechanical Engineers 1, 2, 3, 4; Student Council 3; Intramural and Intrafrat Basketball 1, 2, 3; Track 2; Baseball 2, 3; Visitors' Day Committee; Technician Circulation Manager 2; Business Manager 3.

ROBERT H. DOLBEAR . . .
Electrical Engineering. 43 West Central Avenue, Maywood, New Jersey. Prepared at
Hackensack High School. Rho Epsilon (charter member) 3; President 4; American Institute of Electrical Engineering 2, 3, 4; Student Council 1, 2, 3, 4; Class Chairman Sophomore Hop 2; Class President 1; C.A.A. Pilot 3, 4; Flying Club 3, 4; Radio Club 1, 2, 3, 4; President 4; Intramural Basketball, Baseball, Football 1, 2; Visitors' Day Committee 1, 2, 3, 4; Chairman 3.

**GUS A. D'ONOFRIO**

Civil Engineering. 276 Ivy Court, Orange, New Jersey. Prepared at Orange High School. Delta Sigma Zeta 2, 3, 4; Pledge Committee 3; Interfraternity Basketball 3; Ping Pong 4; Bowling 3; American Society of Civil Engineers 2, 3, 4; Intramural Basketball, Softball 1, 2, 3; Visitors' Day Committee 2, 3.

**EUGENE V. DOTTER**

Civil Engineering. 119-71 Street, Guttenberg, New Jersey. Prepared at Hoboken High School. Trunnion 4; M.I.T. Summer Camp 3; American Society of Civil Engineers 3, 4; Vice-President 4; Metropolitan Representative 3, 4; Varsity Track 2, 3, 4; Intramural Basketball, Softball 1, 2, 3; Visitors' Day Committee 1, 2, 3, 4.

**MORRIS A. DUNCAN**

EDWARD M. EADIE, Jr. . . .

ALBERT W. EARL . . .
Electrical Engineering. 75 Bell Street, Belleville, New Jersey. Prepared at Belleville High School. Phi Sigma Omega 2, 3, 4; Secretary 4; Intrafrat Basketball 3; American Institute of Electrical Engineers 2, 3, 4; Sophomore Hop Committee, Sophomore Spring Dance Committee 2; Co-Chairman Junior Prom 3; Class Treasurer 2, 3, 4; Visitors’ Day Committee 1, 2, 3; Intramural Basketball 1.

EDWARD E. EBEL, Jr. . . .
Civil Engineering. 2016 Paterson Plank Road, North Bergen, New Jersey. Prepared at Emerson High School, Union City. M.I.T. Summer Camp 3, (Athletic Chairman); American Society of Civil Engineers 2, 3, 4; Treasurer 3; Picnic Committee 3; Varsity Basketball-J. V. 1, 2; V. 3, 4; Intramural Basketball, Baseball 1, 2, 3; Softball 2, 3; Visitors’ Day Committee 3, 4.
EDWARD C. EULHARDT


ISADOR J. EPSTEIN

Mechanical Engineering. 318 Montgomery Street, Passaic, New Jersey. Prepared at Passaic Senior High. Phi Delta Mu 1, 2, 3, 4; Pledge Committee 2, 3; American Society of Mechanical Engineers 3, 4; Student Council 2; Wrestling 2, 3; Assistant Manager 3; Visitors’ Day Committee 1, 2, 3, 4; Technician 2, 3, 4; Publicity 3.

HERBERT G. ERDMAN, Jr.

Electrical Engineering. 41 Westervelt Place, Westwood, New Jersey. Prepared at Westwood High School. American Institute of Electrical Engineers 2, 3, 4; Intramural Baseball 1, 2; Visitors’ Day Committee 1, 3, 4.

EDWARD C. EULHARDT

RONALD L. FABER . . .
Mechanical Engineering. 579 Yale Avenue, Hillside, New Jersey. Prepared at Hillside High School. M. B. Rosevear Sales Engineers, Industrial Heating Equipment, Bloomfield; Trunnion 7; Newark Technical School Fraternity; Chairman N.T.S. Senior Ball 4; Class Secretary N.T.S. 4; N.T.S. Varsity Basketball 2, 3; Nucleus Photography Staff.

ROBERT W. FIELDING . . .
Electrical Engineering. 9 Columbia Avenue, Paterson, New Jersey. Prepared at Paterson East Side, High School. New Jersey Bell Telephone Company; Newark Technical School Fraternity; Ring and Key Committee 7; Nucleus Circulation Committee 7.

ADOLPHE FISCHER . . .
Industrial Chemistry. 117 Sheerer Avenue, Newark, New Jersey. Prepared at Weequahic High School, Newark. American Institute of Chemical Engineers 2, 3; American Chemical Society 4; School Publicity 2, 3, 4; Technician 1, 2, 3; Sports Editor 3; Intramural Football 2; Basketball, Baseball 1, 2, 3; Visitors' Day Athletic Chairman 3.

ROBERT S. FLEMING . . .
Industrial Chemistry. 138 Kearny Street, Paterson, New Jersey. Prepared at Paterson Cen-
Central High School. Sigma Pi 3, 4; Social Committee 4; Publicity Chairman 4; Interfraternity Football 4; American Institute of Chemical Engineers 1, 2; American Chemical Society 4; Intramural Softball 1, 2, 3; Visitors' Day Committee 2.

ROBERT J. FLEMING . . .
Industrial Chemistry. 407 West End Avenue, Elizabeth, New Jersey. Prepared at Roselle Park, High School. Sigma Pi 3, 4; Treasurer 3, 4; Dance Committee 3; Interfraternity Sports 3, 4; American Institute of Chemical Engineers 1, 2, 3; American Chemical Society 4; Varsity Wrestling 2, 3, 4; Intramural Softball 2, 3; Visitors' Day Committee 2.

JOHN T. FLIS . . .
Industrial Chemistry. 212 Franklin Street, Elizabeth, New Jersey. Prepared at Jefferson High School, Elizabeth. American Institute of Chemical Engineers 1, 2, 3; American Chemical Society 4; Varsity Basketball J.V. 1, 2; V. 3, 4; Intramural Basketball 1, 2, 3, 4; Football 1, 2; Visitors' Day Committee 3, 4; Glee Club 2, 3.

VINCENT P. FRIBERG . . .
Electrical Engineering. 496 Wilson Avenue, Lyndhurst, New Jersey. Prepared at Lyndhurst High School. American Institute of Electrical Engineers 2, 3, 4; Visitors' Day Committee 1, 3, 4.
PAUL C. GARDNER . . .
Industrial Chemistry. 753 DeGraw Avenue, Newark, New Jersey. Prepared at Barringer High School, Newark. American Institute of Chemical Engineers 2, 3; American Chemical Society 4; Vice-President 4; Intramural Softball 1, 2, 3, 4; Basketball 1, 2, 3; Visitors' Day Committee 2, 3, 4.

ROBERT V. GAUTHIER . . .
Electrical Engineering. 163 Carteret Street, Glen Ridge, New Jersey. Prepared at Glen Ridge High School. Phi Sigma Omega 1, 2, 3, 4; Treasurer 2; Smoker Chairman 3; Dance Committee 2; American Institute of Electrical Engineers 1, 2, 3, 4; Frosh Smoker Co-Chairman 3; Junior Prom Committee 3; J.V. Basketball 1, 2; Track 1, 2; Interfraternity Sports 2, 3, 4; Intramural Basketball 1, 2, 3; Baseball 1, 2, 3; Football 1, 2; Varsity Cheerleader 4; Visitors' Day Committee 1, 3.

CHARLES GEISEL, Jr. . . .
Mechanical Engineering. 124 Fairmount Avenue, Chatham, New Jersey. Prepared at Chatham High School. Phi Sigma Omega 3, 4; American Society of Mechanical Engineers 2, 3, 4; Interfraternity Bowling 4; Intramural Baseball 2; Visitors' Day Committee 2, 3.

EGON F. GESSNER . . .
Mechanical Engineering. 19 Morris Avenue, Springfield, New Jersey. Prepared at Roselle
Park High School. American Society of Mechanical Engineers 2, 3, 4; Intramural Softball 3.

FRANCIS G. GINDER, Jr. . . .

Industrial Chemistry. 1220 West Fifth Street, Plainfield, New Jersey. Prepared at Plainfield High School. Sigma Pi 2, 3, 4; Trunnion 3, 4; Comptroller 4; American Institute of Chemical Engineers 1, 2, 3; American Chemical Society 4; Visitors' Day Committee 1, 2, 3, 4.

GILBERT W. GLASS . . .

Mechanical Engineering. 313 Fabyan Place, Newark, New Jersey. Prepared at Weequahic High School, Newark. Phi Delta Mu 1, 2, 3, 4; Treasurer 3; President 4; Dance Committee 2; Interfraternity Council 2, 3, 4; Secretary-Treasurer 3; President 4; Dance and Athletic Committee 3; American Society of Mechanical Engineers 2, 3, 4; Student Council 2, 3; Wrestling 2, 3; Manager 2, 3; Intramural Basketball 1; Softball 1; Technician Feature Editor 1; Associate Editor 2; Editor 3; Nucleus Associate Editor 4; Visitors' Day Committee 2, 3.

MORTON A. GRAY . . .

Mechanical Engineering. 269 Lincoln Place, Irvington, New Jersey. Prepared at Irvington High School. Phi Delta Mu 1, 2, 3, 4; Secretary 3; American Society of Mechanical Engineers 2, 3, 4; Intramural Softball 2, 3; Rifle Club 2; Visitors' Day Committee 1, 2.
JOHN J. GURTOWSKI . . .
Industrial Chemistry. 45 Stein Avenue, W allington, New Jersey. Prepared at Garfield High School. Garfield Manufacturing Company, Garfield; Glee Club 2; Visitors' Day Committee 2.

EDWARD M. GUTOWSKI . . .
Mechanical Engineering. 87 Maple Street, Jersey City, New Jersey. Prepared at Dickinson High School, Jersey City. American Society of Mechanical Engineers 2; American Association of Engineers 3.

ROBERT C. HARMS . . .
Mechanical Engineering. 529 Post Avenue, Lyndhurst, New Jersey. Prepared at Lyndhurst High School. Phi Sigma Omega 2, 3, 4; American Society of Mechanical Engineers 4; Visitors' Day Committee 3; Assistant Publicity Manager Nucleus 4.

WILLIAM H. HARRISON . . .
Industrial Chemistry. 35 Melrose Avenue, East Orange, New Jersey. Prepared at East Orange High School. American Chemical
Society 4; Chess Club 3, 4; Varsity Fencing 1, 2, 3, 4; Visitors' Day Committee 1, 2, 3, 4.

WILLIAM J. HARTWYK . . .
Mechanical Engineering. 371 Northfield Avenue, West Orange, New Jersey. Prepared at Montclair High School. Phi Sigma Omega 1, 2, 3, 4; Smoker Committee 3, 4; Dance Committee 2, 3, 4; American Society of Mechanical Engineers 4; Intramural Basketball 1, 3; Softball 1, 2, 3; Bowling 2, 3; Visitors' Day Committee 1, 2.

THEODORE A. HAVENS . . .

ALFRED HEINZ . . .
Electrical Engineering. 29 Rich Street, Irvington, New Jersey. Western Electric Company, Kearny; American Institute of Electrical Engineers 6; American Institute of Electrical Engineers Award 1940; N.T.S. Highest Electrical Honors 1936; N.T.S. Class Secretary 2; N.T.S. Key Committee 4.
FRED H. HEITHMAR . . .
Mechanical Engineering. 268 New Jersey Avenue, Union, New Jersey. Prepared at Union High School. American Society of Mechanical Engineers 2, 3, 4; Visitors' Day Committee 3.

WILLIAM HELD . . .
Civil Engineering. 57 Clark Street, Paterson, New Jersey. Prepared at Paterson Central High School. American Society of Civil Engineers 2, 3, 4; Sophomore Smoker Committee 2; Intramural Softball 1, 2, 3; Visitors' Day Committee 1, 2, 3.

PAUL H. HEMBERGER . . .
Mechanical Engineering. 420 Stuyvesant Avenue, Irvington, New Jersey. Prepared at Irvington High School. American Society of Mechanical Engineers 3, 4; Intramural Football 1, 2; Visitors' Day Committee 3.

THEODORE J. HIGGINS . . .

EDWARD W. HIMSWORTH . . .
Industrial Chemistry. 65 Sheridan Street, Irr-
GORDON N. HODGE

Mechanical Engineering. 67 Martine Avenue, Fanwood, New Jersey. Prepared at McBurney High School. Trunnion 4; American Society of Mechanical Engineers 3, 4; Treasurer 3; Chairman 4; Sophomore Smoker Committee 2; Junior Varsity Fencing 1; Visitors' Day Committee 1, 3, 4.

WILLIAM H. HOFFMANN

Mechanical Engineering. 24 Coles Avenue, Hackensack, New Jersey. Prepared at Hackensack High School. Alpha Kappa Pi 2, 3, 4; American Society of Mechanical Engineers 2, 3, 4; Society for Advancement of Management 4; Student Council 3, 4; Varsity Track 1, 2, 3, 4, Captain 3; J.V. Basketball 1, 2; Intramural Football 1, 2; Visitors' Day Committee 2, 3, 4; Student Athletic Association, Treasurer 1; Secretary 2, Vice-President 3; President 4.
PAUL F. HORBATT


ERNEST R. HUGENBRUCH

Mechanical Engineering. 913 Main Street, Paterson, New Jersey. Prepared at Paterson Central High School. American Society of Mechanical Engineers 2, 3, 4; Junior Smoker Committee 3; Class Secretary 4; Glee Club 1, 2, 3, 4; Nucleus Class Historian 4; Visitors' Day Committee 1, 2, 3, 4; Trunnion 4; Senior Ball Committee 4.

RICHARD P. JOHNSON

Mechanical Engineering. 24 Commonwealth Avenue, Newark, New Jersey. Prepared at West Side High School, Newark. American Society of Mechanical Engineers 2, 3, 4; Vice-Chairman 3; Chairman 4; Society for Advancement of Management 4; Student Council 4; Sophomore Dance Committee 2; Senior Fall Dance 4; Nucleus Photography Editor 4; Visitors' Day Program 1, 2, 3, 4; Chairman 4.

RICHARD W. JOHNSON

Mechanical Engineering. 851 Hueston Street, Union, New Jersey. Prepared at Curtis High.
American Society of Mechanical Engineers.
Intramural Softball.

ROMOLO R. JULIAN . . .
Civil Engineering. 324 West Wildwood Avenue, Wildwood, New Jersey. Prepared at Wildwood High School. Phi Sigma Omega 2, 3, 4; Secretary 2; Vice-President 3, 4; Dance Committee 3, 4; Intrafraternity Council 3, 4; American Society of Civil Engineers 2, 3, 4; Student Council 3, 4; M.I.T. Summer Camp 3; Intramural Softball 2, 3; Wrestling 1; Visitors' Day Committee 1, 2.

JOSEPH J. KARCAUSKAS, Jr. . . .
Industrial Chemistry. 291 Bergen Avenue, Kearny, New Jersey. Prepared at Kearny High School. American Institute of Chemical Engineers 3; American Chemical Society 4.

CHESTER C. KASICA . . .
Industrial Chemistry. 32 Wall Street, Passaic, New Jersey. Prepared at Passaic High School. American Institute of Chemical Engineers 1, 2, 3; American Chemical Society 4; Visitors' Day Committee 2, Technician, Feature Editor 3; Exchange Editor 4;
STANLEY J. KAUKLIS . . .
Electrical Engineering. 206 Wilson Avenue, Kearny, New Jersey. Prepared at Kearny High School. American Institute of Electrical Engineers 2, 3, 4; Glee Club 2; Radio Club 2, 3; Visitors' Day Committee 3.

ERNEST E. KENWELL . . .
Mechanical Engineering. 439 Union Avenue, Belleville, New Jersey. Prepared at Belleville High School.

RUDOLPH J. KLIMKIEWICZ . . .
Mechanical Engineering. 208 Tuscan Road, Maplewood, New Jersey. Prepared at Columbia High School, Maplewood. Phi Sigma Omega 2, 3, 4; Steward 3; Dance Committee 3; Flying Club President 4; C.A.A. Course 3.

RALPH KOIZIM . . .
Industrial Chemistry. 86 Myer Street, Hackensack, New Jersey. Prepared at East Side High School, Paterson. Phi Delta Mu 2, 3, 4;
American Institute of Chemical Engineers 1, 2, 3; American Chemical Society 4.

JOHN E. KOPF


JOSEPH K. KRAFT

Mechanical Engineering. 100 South 7th Street, Newark, New Jersey. Prepared at St. Benedict’s Prep. American Society of Mechanical Engineers 2, 3, 4; Society for Advancement of Management 4; Glee Club 3, 4; Visitors’ Day Committee 1, 2, 3, 4.

ARTHUR L. KREBS

Mechanical Engineering. 237 Belleview Terrace, Hillside, New Jersey. Prepared at Irvington High School. Phi Delta Mu 3, 4; Social Committee Chairman 3; American Society of Mechanical Engineers 2, 3, 4; Flying Club, Secretary-Treasurer 4; C.A.A. Course 3; Visitors’ Day Committee 1, 2, 3, 4.
ALFRED KURZ . . .
Mechanical Engineering. 78 South 11th Street, Newark, New Jersey. Prepared at West Side High School, Newark. American Society of Mechanical Engineers 3, 4; Photography Club 3; Visitors’ Day Program 2, 3.

LOUIS P. MANDELL . . .
Civil Engineering. 1214 South Ninth Street, Plainfield, New Jersey. Prepared at Plainfield High School. Phi Delta Mu 2, 3, 4; Secretary 3, 4; M.I.T. Summer Camps 3; American Society of Civil Engineers 2, 3, 4; Intramural Softball 2, 3; Visitors’ Day Committee 2, 3, 4.

GORDON M. MANHARD . . .
Industrial Chemistry. 12 Carmita Avenue, Rutherford, New Jersey. Prepared at Rutherford High School. Alpha Kappa Pi 2, 3, 4; Athletic Committee 2; Intrafraternity Sports 2, 3, 4; American Chemical Society 4; Student Council 4; A.A. Representative 3; Varsity Track 1, 2, 3, 4; Manager 4; Captain 2; Cross Country 3, 4; Captain and Manager 4; Intramural Softball 2, 3, 4; Visitors’ Day Committee 1, 2, 3, 4.

DONALD M. MARSHALL . . .
Mechanical Engineering. 478 Adams Avenue,
Elizabeth, New Jersey. Prepared at Thomas Jefferson High School, Elizabeth. M. W. Kellogg Company, Newark Technical School Fraternity; American Society of Mechanical Engineers 7; American Association of Engineers 2, 3; Secretary 2; Vice-President 2.

MICHAEL M. MAURIELLO

Industrial Chemistry. 432 Halstead Street, East Orange, New Jersey. Prepared at East Orange High School. Trunnion 3, 4; Recorder 4; Chess Club 3, 4; Intramural Sports 1, 2, 3, 4; Visitors' Day Committee 1, 2, 3, 4.

THOMAS V. McGEE, Jr.

Civil Engineering. Pellington Street, Wanaque, New Jersey. Prepared at Butler High School. American Society of Civil Engineers 2, 3, 4; Visitors' Day Committee 2, 3, 4.

HINDLEY R. MENDELSOHN

Industrial Chemistry. 91 Quitman Street, Newark, New Jersey. Prepared at West Side High School. Trunnion 3, 4; American Institute of Chemical Engineers 1, 2, 3; American Chemical Society 4; Visitors' Day Committee 1.
ROBERT L. MENEGUS . . .

Industrial Chemistry. 58 Major Street, Clifton, New Jersey. Prepared at Clifton High School. Trunnion 3, 4; American Institute of Chemical Engineers 1, 3; American Chemical Society 4; Boxing 2, 3; Visitors' Day Committee 1, 3.

WALTER A. MICEK . . .

Industrial Chemistry. 700 Washington Avenue, Linden, New Jersey. Prepared at Linden High School. American Institute of Chemical Engineers 1, 2, 3; American Chemical Society 4; Visitors’ Day Committee 1.

ALVIN MICHENFELDER . . .

Industrial Chemistry. 210 46th Street, Union City, New Jersey. Prepared at Union Hill High School. Graduated Newark Technical School; American Chemical Society 4; Intramural Basketball 1, 4.

WALTER F. MILLER . . .

JOHN W. MURPHY . . .

GEORGE F. NECHWORT . . .
Civil Engineering. 780 Bloomfield Avenue, West Caldwell, New Jersey. Prepared at Barringer High School. M.I.T. Summer Camp 3; American Society of Civil Engineers 2, 3, 4; Secretary 2; President 4; Student Council 3; Junior Smoker Committee 3; Intramural Softball 2, 3; Visitors’ Day Committee 1, 2; Chairman Civil Department 3.

EMIL L. NOVOMESKY . . .
Industrial Chemistry. 1531 Munn Avenue, Hillside, New Jersey. Prepared at Hillside High School. American Institute of Chemical Engineers 1, 2, 3; American Chemical Society 4; Sophomore Hop Committee 2; Photography Club 3; Nucleus Representative 4; Visitors’ Day Usher 1; Demonstrator 2.

HAROLD C. OAKLEY . . .
Mechanical Engineering. 24 Raymond Avenue, Nutley, New Jersey. Prepared at Nutley High School. Trunnion 3, 4; American Society of Mechanical Engineers 2, 3, 4; Society for Advancement of Management 3, 4; Student Council 3, 4; Holdover Committee 3; Chairman Senior Fall Dance 4; Class Secretary 2;
GREGORY M. MOELTER . . .
Industrial Chemistry. 4407 Princeton Street, Philadelphia, Pennsylvania. Prepared at Ruther
erford High School. Alpha Kappa Pi 2, 3, 4; Treasurer 4; Trunnion 3, 4; American Institute of Chemical Engineers 2, 3; American Chemical Society 4; Junior Prom Committee 3; Chairman Senior Ball 4; Glee Club 1; Visitors’ Day Committee 1, 2; Nucleus Staff 4.

FRED MOESINGER, Jr. . . .
Mechanical Engineering. 73 Campfield Street, Irvington, New Jersey. Prepared at Irvington High School. American Society of Mechanical Engineers 1, 2, 3, 4; Society for Advancement of Management 1, 2, 3, 4; Chairman Sophomore Smoker 2; Junior Prom Committee 3; Nucleus Literary Staff 4; Visitors’ Day Committee 1, 2; Senior Ball Committee 4.

MANFRED MORGENTHAU . . .
Industrial Chemistry. 167 Quitman Street, Newark, New Jersey. Prepared at West Side High School. Phi Delta Mu 2, 3, 4; Intrafraternity Council 3; American Institute of Chemical Engineers 2, 3; American Chemical Society 4; Society for Advancement of Management 4; Varsity Track 2; Wrestling 2; Intrafraternity Sports 3, 4; Visitors’ Day Committee 2, 3.

WALTER F. MILLER

GREGORY M. MOELTER
Glee Club 1, 2, 3, 4; Secretary 2; President 4; Visitors' Day Program 1, 2, 3, 4; Nucleus Literary Editor 4.

WILLIAM J. O'CONNOR . . .
Mechanical Engineering. 115 Prospect Place, Rutherford, New Jersey. Prepared at Rutherford High School; Trunnion 4; American Society of Mechanical Engineers 2, 3, 4; Society for Advancement of Management 2, 3, 4; Secretary-Treasurer 3; President 4; Sophomore Smoker Committee 2; Junior Smoker Committee 3; Student Council 3, 4; Glee Club 1, 2, 3, 4; President 3; Fencing 2; Track 1, 2, 3, 4; Rifle Team 2, 3, 4; President 3; Nucleus Circulation Manager 4; Visitors' Day Committee 1, 2, 3, 4.

OWEN B. OLSON . . .
Mechanical Engineering. 67 Linden Avenue, Belleville, New Jersey. Prepared at Westwood High School. Trunnion 3, 4; President 4; American Society of Mechanical Engineers 2; Student Council Holdover Committee 2, 3; Class President 2; Vice-President 3; Visitors' Day 1, 2, 3, 4; Assistant Chairman 3; Nucleus Circulation Committee 3.

CHARLES W. ORIEL . . .
Electrical Engineering. 269 Newark Avenue, Union, New Jersey. Prepared at East Orange High School. Phi Sigma Omega 1, 2, 3, 4; Steward 2; Vice-President 3; Beta Eta 3, 4; Interfraternity Council 2, 3; Dance Committee 2, 3; American Institute of Electrical Engineers 2, 3, 4; Student Council 3.
LELAND J. PARKINSON

Electrical Engineering. 39 Roosevelt Street, South River, New Jersey. Prepared at South River High School. American Institute of Electrical Engineers 4; Intramural Baseball 1; Visitors' Day Program 2, 3.

STANLEY R. PAULAUSKAS

Industrial Chemistry. 265 Second Street, Elizabeth, New Jersey. Prepared at Thomas Jefferson High School. Alpha Kappa Pi 3, 4; American Institute of Chemical Engineers 2, 3; American Chemical Society 4; Visitors' Day Guide 3; Demonstrator 4.

GEORGE PERSAK, Jr.

Mechanical Engineering. 1595 Clinton Place, Hillside, New Jersey. Prepared at Hillside High School Section 43; American Society of Mechanical Engineers; Newark Technical School Fraternity Section 4.

WALTER M. PETROSKY

Industrial Chemistry. 107 Forest Street, Kearny, New Jersey. Prepared at Kearny High School. Alpha Kappa Pi 3, 4; Athletic Committee 4; Interfraternity Council 4; American Institute of Chemical Engineers 2; Athletic
Committee 4; Student Council 3, 4; College Seal Committee 4; Athletic Association 3, 4; Treasurer 4; Varsity Fencing 1, 2, 3, 4; Manager 3, 4; Intramural Basketball 1, 2; Softball 1, 2, 3; Nucleus Art Editor 4; Visitors' Day 1, 2, 3, 4; Entertainment Committee 4.

ROBERT PILASKI . . .

FRANK Z. POLLARA . . .
Industrial Chemistry. 319 Livingston Avenue, Lyndhurst, New Jersey. Prepared at Lyndhurst High School. American Institute of Chemical Engineers 2, 3; American Chemical Society 4; Glee Club 2; Varsity Wrestling 1, 2, 3, 4; Intramural Baseball 2, 3; Football 1, 2; Visitors' Day Committee 2, 3.

ROMAN POPIEL . . .
Mechanical Engineering. 30 Grant Avenue, Carteret, New Jersey. Prepared at Carteret High School. American Society of Mechanical Engineers 3, 4; Society for Advancement of Management 4; Visitors' Day Committee 3, 4; Nucleus Circulation Staff.
IRVING PORTNOFF . . .
Civil Engineering. 616 Lyons Avenue, Irvington, New Jersey. Prepared at South Side High School. American Society Civil Engineers 2, 3, 4; Wrestling 2, 3; Boxing 2, 3; Intramural Basketball 1, 2, 3; Softball 1, 2, 3; Football 1, 2; Visitors' Day Committee 2, 3.

BERNARD POTASH . . .
Industrial Chemistry. 468 East 25th Street, Paterson, New Jersey. Prepared at Eastside High School. American Institute of Chemical Engineers 2, 3; American Chemical Society 4; Representative 4; Boxing 2; Visitors' Day Committee 2.

HENRY J. POZARYCKI . . .
Mechanical Engineering. 372 Bramhall Avenue, Jersey City, New Jersey. Prepared at Lincoln High School. American Society of Mechanical Engineers 2, 3, 4; Visitors' Day Committee 1.

HENRY E. PRUNER . . .
Industrial Chemistry. 98 Francisco Avenue, Rutherford, New Jersey. Prepared at Rutherford High School. Alpha Kappa Pi 2, 3, 4; Historian 4; Co-Chairman Spring Dance 3;
American Institute of Chemical Engineers 2, 3; American Chemical Society 4; Student Council 4; Co-Chairman Junior Prom 3; Class President 4; J.V. Basketball 1, 2; Intramural Basketball 1, 2, 3, 4; Softball 1, 2, 3, 4; Interfraternity Football 3, 4; Basketball 2, 3, 4; Ping Pong 3, 4; Softball 2, 4; Visitors’ Day Committee 1; Guide 2, 3.

**ERNEST R. QUIRAM . . .**


**J. EDSEN RAINIER . . .**

Industrial Chemistry. 128 Clinton Street, Dover, New Jersey. Prepared at Dover High School. American Institute of Chemical Engineers 2, 3; American Chemical Society 4; Varsity Track 2, 3; Intramural Basketball 2, 3; Baseball 2, 3.

**JAMES W. REILLY . . .**

Mechanical Engineering. 327 Smith Street, Newark, New Jersey. Prepared at West Side High School. American Society of Mechanical Engineers 2, 3, 4; Nucleus Advertising Staff 4.
ERNST R. RICEMAN . . .
Mechanical Engineering. 78 Harrison Street, East Orange, New Jersey. Prepared at East Orange High School. N.T.S.F. 4, 5, 6, 7; Vice-President 6; Treasurer 7; Fratech Assistant Editor 4; Class Treasurer 3, 4; Assistant Editor of Year Book of Technical School 4; Chairman Senior Ball of Technical School 4; Wrestling, Boxing 4.

CHARLES J. RODGERS, Jr. . . .
Mechanical Engineering. 419 Stuyvesant Avenue, Lyndhurst, New Jersey. Prepared at Lyndhurst High School. Phi Sigma Omega 3, 4; Officer 4; Interfraternity Bowling 3, 4; Basketball 3; American Society of Mechanical Engineers 2, 3, 4; Class Committees 2, 4; Intramural Softball 2, 3; Basketball 3; Visitors’ Day Program 1, 2, 3, 4; Nucleus Advertising Manager 4.

WILLIAM H. ROSNELL . . .

ALEXANDER M. ROSS . . .
Electrical Engineering. 81 Humphreys Ave-
nue, Bayonne, New Jersey. Prepared at Bayonne High School. American Institute of Electrical Engineers 2, 3; Class Dues Committee 1, 2; Glee Club 2, 3, 4; Visitors' Day Committee 2; Guide 3.

THADDEUS F. RUDNICKI, Jr. . . .
Electrical Engineering. 110 Ames Avenue, Leonia, New Jersey. Prepared at Leonia High School. American Institute of Electrical Engineers 2, 3, 4; Intramural Basketball 1, 2; Softball 2; Visitors' Day Program 2, 3.

VINCENT G. SARLI . . .
Industrial Chemistry. 32 Crestwood Avenue, Nutley, New Jersey. Prepared at Nutley High School. American Institute of Chemical Engineers 2, 3; American Chemical Society 4; Intramural Softball, Basketball 2, 3, 4.

IRA M. SCHEY, Jr. . . .
Mechanical Engineering. 1007 Broad Street, Newark, New Jersey. Prepared at Lawrence Academy. American Society of Mechanical Engineers 4; Radio Club 2, 3, 4; Varsity Wrestling 2, J.V. Track 2; Nucleus Photography Staff 4; Visitors' Day Committee 2, 3, 4.
THEODORE A. SCHNEIDER . . .
Mechanical Engineering. 219 Boston Avenue, Hillside, New Jersey. Prepared at Hillside High School. Baker and Company, Newark, New Jersey. N.T.S.F. 3, 4, 5, 6, 7; Vice-President 4; American Society of Mechanical Engineers 7; N.T.S. Student Council 3, 4; Vice-President of Class 7; Fratech Staff 3, 4; Varsity Basketball Tech 1, 2, 3, 4.

MAX C. SCHRAMM . . .
Electrical Engineering. 378 Belleville Avenue, Bloomfield, New Jersey. Prepared at Bloomfield High School. Federal Shipbuilding and Dry Dock Company, Kearny; Trunnion 6, 7; American Institute of Electrical Engineers 5, 6, 7; American Institute of Mining and Metallurgical Engineers 7.

EDWARD N. SCHWALJE . . .
Mechanical Engineering. 117 Lafayette Road, Metuchen, New Jersey. Prepared at Metuchen High School. Alpha Kappa Pi 1, 2, 3, 4; Chaplain 4; Intrafraternity Council 1, 3; Dance Committee 3; Student Athletic Organization 2, 3; Sophomore Hop Committee 2; Visitors' Day Committee 2, 3.

GEORGE SHARP . . .
Industrial Chemistry. 829 Summer Street.
Elizabeth, New Jersey. Prepared at Union Hill High School, Union City. Procter and Gambler, Staten Island.

FRANK A. SHEAN, Jr. . . .

Electrical Engineering. 42 North 17th Street, East Orange, New Jersey. Prepared at East Orange High School. Intramural Baseball 1, 2; Visitors’ Day Committee 1.

S. JOSEPH SHEFRIN . . .

Mechanical Engineering. 295 Hunterdon Street, Newark, New Jersey. Prepared at Central High School. Phi Delta Mu 1, 2, 3, 4; Athletic Committee 2, 3; American Society of Mechanical Engineers 3, 4; Student Council 2, 3, 4; Sophomore Smoker Committee 2; Radio Club Secretary 1; Organized Table Tennis Team; Varsity Table Tennis 1, 2, 3, 4; Nucleus Assistant Art Editor; Visitors’ Day Committee 1, 2, 3, 4.

DANIEL SIMOONS . . .

Industrial Chemistry. 60 Mercer Street, Newark, New Jersey. Prepared at South Side High School, Newark. American Institute of Chemical Engineers 2; Chess Club 3; Intramural Basketball 3, 4; Baseball 3, 4; Visitors’ Day Committee 2, 3, 4.
HERBERT SKIPPER

Industrial Chemistry. 285 Vreeland Avenue, Midland Park, New Jersey. Prepared at Pompton Lake High School. American Institute of Chemical Engineers 2, 3; American Chemical Society 4; Intramural Softball 2, 3, 4; Basketball 4; Nucleus Representative 4.

PETER I. SKURLA

Civil Engineering. 165 Linden Avenue, Irvington, New Jersey. Prepared at Irvington High School. Alpha Kappa Pi 2, 3, 4; House Chairman 4; National Delegate 4; Intrafrat Council 4; Dance Committee 4; American Society of Civil Engineers 2, 3, 4; Student Council 4; Chairman Ring Committee 4; Varsity Basketball 1, 2, 3, 4; Captain 4; Intramural Basketball, Softball 2, 3, 4; Coach Football Team Class '44, 4; Coach Basketball Class '44; Nucleus Sports Editor 4; Visitors' Day Program 1, 2, 3, 4.

FRANK SLAMAR

Electrical Engineering. 100 Ingraham Place, Newark, New Jersey. Prepared at Central High School. Trunnion 3, 4; American Institute of Electrical Engineers 3, 4; Intramural Basketball 1; Baseball 1, 2; Visitors’ Day Committee 3, 4.

DONALD F. SMITH

Mechanical Engineering. 199 Fairview Avenue, Jersey City, New Jersey. Prepared at St. Peter’s Prep. Alpha Kappa Pi 2, 3, 4; Sentinel 4; Dance Chairman 3; National Delegate 4; American Society of Mechanical Engineers 4; Society for Advancement of Manage-
ment 4; Student Council 4; Junior Prom Committee 3; J.V. Basketball 1, 2; Boxing 2; Intramural Basketball, Football 1, 2; Interfraternity Ping Pong 1, 2, 3; Football 2; Nucleus Editor-in-Chief 4; Visitors' Day Committee 1, 2, 3, 4; Chairman Program Committee 4.

LOUIS SMITH . . .
Industrial Chemistry. 77 Richard Street, Passaic, New Jersey. Prepared at Passaic High School. General Printing Ink Corporation; Trunnion 4, 5; Secretary 5; American Institute of Chemical Engineers 4; Varsity Tennis 3, 4, 5, 6; Captain 6; Table Tennis 4.

BERNARD W. STARK . . .
Industrial Chemistry. 19 Welshman Court, Caldwell, New Jersey. Prepared at Grover Cleveland High School. Phi Delta Mu 1, 2, 3, 4; Intrafrat Track 1, 2, 3, 4; Ping Pong 1, 2, 3, 4; Student Council 1, 2, 3; Chess Club 3, 4; Varsity Track 2; Technician Advertising 2; Business Manager 3; Visitors' Day Committee 1, 2, 3.

JOHN C. STILLWAGGON . . .
Industrial Chemistry. 20 Bayard Avenue, Arlington, New Jersey. Prepared at Kearny High School. Alpha Kappa Pi 3, 4; President 4; Interfraternity Council Dance Chairman 4; Football 3, 4; Softball 2; American Institute of Chemical Engineers 2; American Chemical Society 4; Treasurer A. A. 3; Student Council Vice-President 3; President 4; Class President 3; Vice-President 1; Glee Club 2; Varsity Fencing 1, 2, 3, 4; Captain 4; Intramural Football 1, 2; Softball 3; Visitors' Day Chairman Ushers, Routing 1, 2, 3, Sub-Chairman 3.
LE ROY S. STROHL, Jr. . . .
Civil Engineering. 658 Adams Avenue, Elizabeth, New Jersey. Prepared at Thomas Jefferson High School. M.I.T. Summer Camp 3; American Society of Civil Engineers 2, 3, 4; Secretary 3; Junior Smoker 3; Senior Fall Dance 4; Swimming 2; Intramural Basketball 2, 3; Softball 1, 2, 3; Visitors' Day Committee 1, 2, 3, 4.

EDWARD W. SUTTON . . .
Mechanical Engineering. 411 Elm Street, Westfield, New Jersey. Prepared at Westfield High School. American Society of Mechanical Engineers 2, 3, 4; Visitors’ Day Committee 1, 2, 3, 4.

LEOPOLD R. SZALKOWSKI . . .
Industrial Chemistry. 708 High Street, Newark, New Jersey. Prepared at Nanticoke High School, Nanticoke, Pennsylvania. American Institute of Chemical Engineers 1, 2, 3; Visitors’ Day Program 1.

GEORGE R. TARBOX, Jr. . . .
Industrial Chemistry. Scott Avenue, Cheshire, Connecticut. Prepared at Troy High School, Troy, New York. Roxbury School for Boys, Cheshire, Connecticut. Alpha Kappa Pi 4; Junior Prom Committee 3; Sophomore Dance Committee 2; Usher at 1940 Commencement
3; Senior Fall Dance Committee 4; Senior Ball Committee 4; Varsity Basketball 2, 3, 4; Intramural Basketball 1, 2, 3; Baseball 2, 3; Visitors' Day Committee 3, 4.

ALBERT R. TARZY . . .
Mechanical Engineering. 8214 Hudson Boulevard, North Bergen, New Jersey. Prepared at Emerson High School. American Society of Mechanical Engineers 4; Intramural Basketball 1, 2; Visitors' Day Program 1.

ALBANA J. TAVA . . .
Mechanical Engineering. 131 Hollywood Avenue, East Orange, New Jersey. Prepared at East Orange High School. American Society of Mechanical Engineers 3, 4; Flying Club 4; J.V. Basketball 1; Intramural Football 1, 2; Softball 1, 2; Basketball 1, 2; Visitors' Day Committee 1, 2, 3, 4.

SAUL TESSLER . . .
Industrial Chemistry. 288 Main Street, East Orange, New Jersey. Prepared at Weequahic High School. Phi Delta Mu 1, 2, 3, 4; Social and Membership Committee 1, 2, 3, 4; American Institute of Chemical Engineers 1, 2, 3; American Chemical Society 4; Interfraternity Basketball, Track, Bowling, Table Tennis, 1, 2, 3, 4; Football 4; Intramural Basketball 1, 2, 3, 4; Softball 1, 2, 3, 4; Visitors' Day Committee 2, 3.
JAMES F. TURLEY, JR. . . .
Mechanical Engineering. 740 Newark Avenue, Elizabeth, New Jersey. Prepared at Thomas Jefferson High School. Alpha Kappa Pi 3, 4; American Society of Mechanical Engineers 2, 3, 4; Intramural Football 1, 2; Softball 1, 2; Basketball 1, 2; Nucleus Photography Staff 4; Visitors' Day Committee 1, 2, 3, 4; Flying Club 4; Photography Club 4.

JACOB UNOFSKY . . .
Mechanical Engineering. 1009 Riverton Street, Roselle, New Jersey. Prepared at Abraham Clark High School. Phi Delta Mu 2, 3, 4; American Society of Mechanical Engineers 4; Technician Sports Editor 4; Visitors' Day Committee 4.

HERVEY P. VASSAR . . .

HENRY H. WARDE . . .
Industrial Chemistry. 106 Linden Avenue, Arlington, New Jersey. Prepared at Kearny
High School. American Institute of Chemical Engineers 2; American Chemical Society 4; Junior Prom Committee 3; Senior Ball Committee 4; Glee Club 1, 2, 3, 4; Cheerleader 3, 4; Nucleus Personnel Editor 4; Visitors' Day Demonstrator 2, 3, 4.

WILLIAM A. WEBER . . .

Mechanical Engineering. 32 Riverside Drive, Upper Montclair, New Jersey. Prepared at Nutley High School. American Society of Mechanical Engineers 2; Visitors' Day Committee 1, 2, 3.

EDWARD WENIS . . .

Industrial Chemistry. 2131 Ingalls Avenue, Linden, New Jersey. Prepared at Linden High School. American Institute of Chemical Engineers 2, 3; American Chemical Society 4; Visitors' Day Committee 1.

GUY F. WILLEY . . .

Industrial Chemistry. 150 West 6 Avenue, Roselle, New Jersey. Prepared at Thomas Jefferson. American Chemical Society 4; C. A.A. Course 3, 4; Flying Club 3, 4; Varsity Track 1, 2, 3, 4; Captain 3; Visitors' Day Committee 1, 2, 3, 4.
IRVING WILNER . . .
Mechanical Engineering. 1200 Roselle Street, Linden, New Jersey. Prepared at Linden High School. Phi Delta Mu 2, 3, 4; American Society of Mechanical Engineers 3, 4; Student Athletic Organization 3, 4; Flying Club 4; Varsity Wrestling 3, 4; Visitors’ Day Committee 1, 2, 3, 4.

WILLIAM R. WRIGHT, Jr. . . .
Mechanical Engineering. 463 North Maple Avenue, East Orange, New Jersey. Prepared at East Orange High School. C.A.A. Course 4; Flying Club 4; American Society of Mechanical Engineers 4; Graduate Newark Technical School 1938; Employed by American District Telegraph Company, New York.

CHARLES M. WUHRMAN . . .
Mechanical Engineering. 94 Ash Street, Westwood, New Jersey. Prepared at Westwood High School. Phi Sigma Omega 3, 4; American Society of Mechanical Engineers 1, 2, 4; Student Council Holdover Committee 3; Vice-President of Class 2; Sophomore Hop Committee 2; Senior Fall Dance Committee 4; Wrestling 2; Nucleus Advertising Committee 4; Visitors’ Day Committee 1, 2, 3, 4.

JOHN W. WULFERS . . .
Civil Engineering. 68 Mt. Kemble Avenue,
Morristown, New Jersey. Prepared at Morristown High School. M.I.T. Summer Camp 4; Camp Chairman and Secretary; American Society of Civil Engineers 1, 2, 3, 4; Secretary 3; Intramural Basketball 3; Visitors' Day Program 2.

GUSTAVE O. YOUNG . . .
Mechanical Engineering. 444 Marshall Street, Elizabeth, New Jersey. Prepared at St. Mary's High School. Singer Manufacturing Company, Elizabeth; Newark Technical School Fraternity; American Society of Mechanical Engineers 6, 7.

ANDREW YUHAS . . .
Mechanical Engineering. 50 Thompson Street, Raritan, New Jersey. Prepared at Somerville High School. C.A.A. Course Primary and Advanced 3; Flying Club 4; Track 1, 2.

WILBERT H. ZUEST . . .
Civil Engineering. 114-38th Street, Irvington, New Jersey. Prepared at Irvington High School. Alpha Kappa Pi 1, 2, 3, 4; Vice-President 4; Social Chairman 3; American Society of Civil Engineers 2, 3, 4; Senior Ring Committee 4; Intrafraternity Basketball 2, 3, 4; Intramural Football 1, 2; Basketball 1, 2; J.V. Basketball 1, 2; Nucleus Business Manager 4; Visitors' Day Committee 2, 3, 4.
THE CLASS OF 1941...

'Twas a bright September morning of 1937 when the two hundred and fifty charter members of the Class of '41 first assembled in N.C.E. Within one week, a highly efficient Student Council had organized the Freshman Class. Not long thereafter, the childish attitude of the typical freshman was being replaced by the maturity of the engineer which was being forged by the rigorous schedule of the institution. During the same period, a select group of stalwarts held the sophomores to a six-all tie in the annual football fracas. "Hammy" Hemberger, it seems, scored the vital touchdown. It did not take long for this brief respite to become a hazy memory, however; the pace stiffened, the freshman wilted, and the midyear examinations left a gaping hole in the ranks of the hopeful. With capable replacements of some of the missing by the spring section, the class groped its way through a whirlwind second semester to close the year tired, and smaller in number.

With the return of the fall, new sections formed, friends parted to study their more specialized courses, and the grind resumed. It can be safely said, however, that the class benefited during the Sophomore year by the changes which were being made in the course structure. With several hours less per week, the members were able to maintain some degree of equilibrium. Within a month after starting, the remaining charter members and the survivors of the summer group combined to form the well-knit organization of the Class of '41, electing Mr. Elmer Easton as class adviser. The aforementioned group of stalwarts, thriving on regular hours of sleep, carved a niche in the hall of fame with a 47-0 shutout of a confused host of freshmen. Upon the completion of this task, the class assumed its first social obligation to the school by holding an excellent Soph Hop at the Maplewood Women's Club. So great was the success of this affair that plans immediately followed for the Sophomore Spring Dance which was held in the Griffith Auditorium. Meanwhile, the first Honors Option Group took form to the satisfaction of some more fortunate individuals, Hank Pruner started the first Joe College Day, and Paul Horbatt turned to cooking in the qualitative lab. Before the
close of the year, Fred Moesinger, Bill Held, Joseph Shefrin, and several other members of the class ran the Soph Smoker at the marginal profit of five cents. The final exams then proceeded to wreak havoc among the repenting sufferers, who were content to have the three months' leave of absence.

After a summer of employment for most of the members, the new juniors became immediately impressed with the fact that the ease of the sophomore year had been merely a temporary respite from a concentrated drive into more specialized studies. With nerves tense, the remaining men bent to their tasks and seemingly lost contact with an increasingly troublesome world. The "civils" wandered in the wilds of the Orange Mountains, the "chemicals" ran wildly about the quantitative lab, the "mechanicals" fried insulation in the elec lab, and the "electicals" lost themselves in a pile of vacuum tubes. So the pace carried on as the jovial Dick Johnsons proved they were as fanatic and wild as the flippant Bob Flemmings, and treasurer Earle continued his three-year quest for class dues. In the meantime the class found time to observe that Ed Schwalje had been permanently "scalped"; Owen Olson had learned to really talk; Hugo Biertuempfel and Bob Menegus were excellent boxers; Frank Pollara enjoyed wrestling; Bill Hoffmann, Guy Willey, Gord Manhard, and Gene Dotter were tracksters; several of the boys were in the Glee Club; Johnny Flis, Pete Skurla, and Ed Ebel played basketball; Jack Stillwaggon, John Geraci, and Bill Harrison were winning fencing laurels for the school; many men had joined fraternities; and many more had dropped from school. Aside from these incidentals, the road was rough and long. The mid-year examinations were reached with scarcely a breath taken before the second semester buried the victims still further. Strange as it may seem, a few "brains" found it possible to pass a course in differentials and vectors much to the amazement of the weary others. Moments of pleasure were arranged for, however, by a business-like committee who ran the traditional Junior Promenade at the Essex Fells Country Club. There, during a pleasant evening, formal attire
replaced the burdens on the shoulders of the maturing upperclassmen, who discovered that they had not forgotten entirely how to enjoy themselves. Thence the task continued; the members pausing merely to attend Bob Gauthier's Junior Smoker in the early part of May. At last the finals; in one hectic week a long grueling grind was climaxed with a nerve-wracking set of examinations . . . one year left.

The final year began as the members of the first class to miss senior cooperative work anxiously concentrated on the completion of their college daze. The first month was spent in a coma by "O'Kelley" Oakley in his effort to run the never-to-be-forgotten Senior Fall Dance at the Yountakah Country Club. While Rudy Klimkiewicz, the "Man from Mars," spent the next few weeks exhibiting a beautifully designed headgear, it became very evident that the "three stooges" were acting very silly, but the others seemed to enjoy it. On the surface, then, it would seem that the group in general was in a very happy state of mind, but it soon became evident that the self-centered optimism of the previous year had vanished with the grim realization that the disturbance, which had once seemed so distant, had grown to be potent enough factors as to immediately affect the career of every member of the class. It was in the midst of the confusion resulting from these factors that the class climaxed its social activity with the beautiful Senior Ball which was held at the Knoll in the early spring.

Thus, the past is history, a pleasant memory of a long tedious task, from the heat of which was kindled the spark of many fond friendships; but a study of the present indicates that the future is as uncertain as it has ever been before. We have reached the parting of the way as the very foundation of civilization threatens to crumble, but the Class of '41 enters the world, not with a feeling of destiny, but with a humble prayer that it will capably carry whatever torch it is handed.
Undergraduates
THE CLASS OF 1942 . . .

President . . . . . . . . . . . THOMAS W. JOHNSON
Vice-President . . . . . . . . . EDWARD A. HEIDER
Secretary . . . . . . . . . . . CHRIS E. LOESER
Treasurer . . . . . . . . . . . CHARLES W. DINGLE

The class of 1942 has proceeded a long way from the heterogeneous group of freshmen who entered Newark College of Engineering three years ago. We are, in the eyes of those in the college who are older and better able to judge us objectively, still immature in many of our actions, but regardless, the N.C.E. stamp is impressed upon us.

Under the able guidance of co-chairmen Robert L. Swenson and Edward P. Higgins, the Junior Prom Committee composed of Helen Oladko, Wilbert Nevins, Charles Toland and Bernard T. Ellis, Jr., made possible, to those who attended, a never-to-be-forgotten evening of pleasure and enjoyment. Current melodies by Karl Hagen and his orchestra and the setting, on March 15th, in the Elizabeth Carteret Hotel, added to the conviviality of all present.

Following tradition, a smoker was given in April with the Freshmen as guests of the evening.

Strong representation was had in every varsity sport of the college, as well as the student government.
Starting from the very beginning to make a name for itself, the Class of '43 was the first class to draw up a constitution in its Freshman year. Professor Peet was elected to serve in the capacity of Class Adviser for the remainder of the Class's life.

This past fall we returned to N.C.E. to greet our friends of a year's standing. We were deeply surprised to find that so many of the fellows knew us, remembered us, and were glad to see us. Last year many of us were pledged to fraternities, and since then many more have been added to that list.

The first Sophomore defeat in the annual Frosh-Soph Football Game since 1936 was received by the class of '43 when they lost by a score of 13-0 to the Freshman eleven.

Under the co-chairmanship of Pete Jermak and George Apfel a highly successful Soph Hop was held on the evening of November 30th at the Caldwell Women's Club in Caldwell, N. J. Music was furnished by the popular Royal Grenadiers. And so the class of 1943 has swept through another year at Newark College of Engineering. We have been prepared to take over the responsibilities of being upper classmen. We have now formed our own close friends and our own groups with whom we shall spend most of our time during the next two years. We have matured as our ideas and ideals have been modified, and we have been forced to consider what we had always accepted as fact. We are now ready to give worthy service to ourselves and to Newark College of Engineering.
Filled with zeal and enthusiasm at the prospect of a new and great experience, we descended upon N.C.E. last fall to cross the threshold of a college career.

Early in October the Class of '44 held their first meeting and immediately began to formulate plans to at least uphold, and, if possible, to excel records made by previous classes in the history of the College.

Shortly after the opening of College the traditional Junior Smoker was held, its purpose being to introduce the Freshman to the Faculty and upper classmen of the College. This smoker and the smoker given by the Society of the Trunnion were well attended and greatly enjoyed by members of the Freshman Class.

For the first time in four years the Freshman Football Squad was victorious over the Sophomores in their contest, the score being 13-0 in their favor when the final whistle blew.

With the year drawing to a close and spring social and athletic plans balancing our classroom duties for the few short weeks which remain, most of us look back upon a splendid year. The friendships we have formed, the knowledge we have gained, and the responsibilities that we have realized, are now impressed upon us. Honor, sportsmanship, and pride in the traditions of Newark College of Engineering are now our heritage.
1941 NUCLEUS

Editor
DONALD F. SMITH

Associate Editor
GILBERT W. GLASS

Business Manager
WILBERT H. ZUEST

Circulation Manager
WILLIAM O’CONNOR

Assistant Editor
JOHN J. DeBUSKE

Personnel Editor
HENRY H. WARDE

Sports Editor
PETER SKURLA

Photography Editor
RICHARD P. JOHNSON

Publicity Editor
JOHN BEATTY

Literary Editor
HAROLD C. OAKLEY

Advertising Manager
CHARLES J. RODGERS

Personnel Staff

Advertising Staff
JAMES W. REILLY

Faculty Adviser
LESLIE C. SPRY

Charles M. WUHRMAN

Photography Staff

RUDOLPH A. DEHN

Circulation Staff

RONALD L. FABER

IRA M. SCHEY, Jr.

JAMES F. TURLEY

IVAR ACKERBLOOM

CIRCULATION STAFF

HORACE BICKFORD

EDWARD HEIDER

ROBERT W. FIELDING

PETER JERMAK

GEORGE FUSNER

GEORGE NECHWORT

EMIL NOVOMESKY

ROMAN POPIEL

HERBERT SKIPPER

RALPH STRUEVER
The Student Council is the governing body of the undergraduates at the Newark College of Engineering. It is composed of representatives of the classes, Athletic Association, professional societies, college publications, fraternities, and approved clubs.

The Student Council was reorganized at the start of 1940. Under the new plan, each of the member organizations can present a budget to the Student Council and receive financial aid. It is hoped that all the students will become members of the Student Organization.

One of the foremost duties of the Student Council is to organize the Freshman Class. It also finances and sells all stickers, pennants, and seals as well as the Student Handbook and the Technician. The Visitors Day Program is conducted each year by a committee of Student Council members.
The Society of the Trunnion was founded in 1928, to confer distinction upon those students of the N.C.E. who have served their college in the most creditable manner; to encourage Academic attainment among undergraduates and professional achievement among the alumni; to encourage extracurricular activities and loyalty to the College; and to develop character and leadership. Members are elected from the upper quarter of the Senior Class and the upper eighth of the Junior Class.

The Annual Banquet was held in December at the Downtown Club in Newark. The guest speaker was Mr. Arnold C. Sorenson of the Robert Treat Council of the B.S.A. As in the past the Trunnion Society sponsored a smoker to which the entire student body and faculty were invited.

This year a petition was submitted to Tau Beta Pi, national honorary engineering fraternity, seeking the installation of a chapter at the Newark College of Engineering. The petition has been accepted and all members are awaiting the decision of Tau Beta Pi at their annual meeting in November.

SENIORES
HORACE L. BICKFORD, Jr.
JOSEPH F. CONWAY, Jr.
EUGENE V. DOTTER
RONALD L. FABER
GORDON N. HODGE
ERNEST R. HUGENBRUCH

Hindley R. Mendlesohn
Robert L. Menegus
Gregory M. Moelter
Harold C. Oakley
William J. O'Connor
Max C. Schramm
Frank Slamar

JUNIORES
ALFRED R. CROSBY
CHARLES W. DINGLE, Jr.
ROLAND L. LAUGEL
The present membership of the Newark College of Engineering Glee Club is the largest in the Club's history. Rehearsals, held twice a week, are eagerly awaited due to the pleasure they afford the members. Much fine music has been furnished by the Glee Club for past convocations, and judging from present appearances, future convocation music will be just as pleasant, if not more so.

From this well-knit organization have sprung a single quartette consisting of W. Long, first tenor; T. Hoch, second tenor; W. Titley, first bass; and I. J. Epstein, second bass, a double quartette and a soloist, Mr. Paul Schwartz.

As in the past the Glee Club had an active part in the College's Visitors Day program. A concert was given March 6, 1941 for the School-Women's Club of Newark. At present the Glee Club has engagements for radio, other schools, smokers and various organizations. Indeed, the future is very bright.
The Chess and Checkers Club is one of the youngest clubs on the campus. During its short existence its membership has grown from five members to over forty. The club convenes every noon hour in the drawing room. It is here that lessons are given to novices and also more expert instruction is given to those who understand the rudiments of the game. The team is usually a five man affair selected by an elimination tournament and are members of a league consisting of Stevens, Saint Peters, Rutgers, Cooper Union, Drew, and the Newark College of Engineering. The league is organized so that one game is played at each school by all the other teams.

The checker players merely play at the school for their own amusement at present and do not play outside games. The club has been recognized and is supported by the Student Council.
The Newark College of Engineering Radio Club is an organization whose purpose it is to promote an interest in amateur radio activities, and to maintain a spirit of fraternalism among the radio-minded students.

During the past three years, communication activities of the club, which is licensed by the government under the call letters W2JPK, have been extended to both telephone and telegraph transmissions on the 20, 40 and 160 meter amateur operating bands. This year four of the members experimented with “Radio Facsimile Reception.”

To aid in the advancement of a most worthwhile hobby, amateur radio, the non-licensed members are provided with adequate instructions in telegraphy and radio theory to prepare them for the government examinations.
RHO EPSILON

President
ROBERT H. DOLBEAR

Secretary-Treasurer
SEYMOUR KREVSKY

Vice-President
MATTHEW M. BELL

MEMBERS

MATTHEW M. BELL
HAROLD BRAUN
ROBERT H. DOLBEAR
BERNARD T. ELLIS
GEORGE S. FELBER

JON J. KARCAUSKAS
SEYMOUR KREVSKY
JOHN R. NELSON
JOSEPH PASTOR
HARRY J. VAN LIEW

Rho Epsilon is a national amateur radio fraternity which was founded at Washington State College in 1911. The Theta chapter was installed at Newark College of Engineering in September, 1939. Its members are primarily those men who have a definite interest in radio. The purposes of the organization are:

1. To encourage experimental radio activity among American College Students.
2. To establish branches in American Educational Institutions.
3. To foster orderly operating.
4. To have the members hold themselves ready to render service to the best of their ability to the government of the United States.
5. To exchange news items for the college papers through the local short wave stations.
6. To reward those members or alumni who have made outstanding contributions to the field of radio.
JUNIOR PROM

at the
ELIZABETH CARTERET HOTEL
ELIZABETH, N. J.
MARCH 15, 1941

Chairmen
ROBERT L. SWENSON
EDWARD P. HIGGINS

COMMITTEE
HELEN OLADKO
WILBERT NEVINS
CHARLES TOLAND
BERNARD T. ELLIS, Jr.
SENIOR BALL

at the
KNOLL COUNTRY CLUB
BOONTON, N. J.
APRIL 26, 1941

Chairman
GREGORY M. MOELTER

COMMITTEE
ERNEST R. HUGENBRUCH
FRED MOESINGER, Jr.
HENRY H. WARDE
GEORGE R. TARBOX, Jr.
EDWARD N. SCHWALJE
The Flying Club is made up, primarily of students who have taken the Civilian Pilot Training Course and have obtained their private pilot licenses although there are several members who have no license, but who are interested in flying and wish to learn to fly.

Any Student Organization member who is interested in flying may join the Club, which has a present membership of thirty.

The objects of the Club are to obtain flying time for all members at a reduced rate, and to promote an interest in private flying. All flying will be done at the Somerset Hills Airport in Basking Ridge. The field is a well managed and maintained field and is a very good one for light aircraft.

Many of the club members have enrolled in the advanced training offered by the Civil Aeronautics Authority. Upon the completion of this course the student is eligible for military training in the Army or Navy Air Corp. without any preliminary training. All flying for this secondary training course is done in a Ryan army trainer at Somerset Hills Airport.
Societies
Through the efforts of the officers, and with the cooperation of Dean James A. Bradley and Professor Vernon T. Stewart, faculty adviser, sixty-four students of the Industrial Chemical Course formed a chapter of Student Affiliates of the American Chemical Society. Their charter was granted on December 19, 1940. All affiliates become recipients of privileges offered by the National Society including the privilege of attending meetings of the North Jersey Section of the American Chemical Society.

Committees were chosen and in a fairly short time the new group was organized. Dr. Randolph T. Major, Director of research and development at Merck and Co., Rahway, N. J. and also chairman of the North Jersey Section of the American Chemical Society, spoke to the members, on the relationship between the affiliate chapters and the parent society, showing the opportunities which chemical students might receive by belonging to a professional society. Following the address, representatives of the Corning Glass Company exhibited and discussed various products made by the firm. Other interesting meetings were held and inspection trips were taken to industrial points of interest.
American Society of Civil Engineers

President
GEORGE NECHWORT

Vice-President
EUGENE DOTTER

Chairman of Program Committee
LEROY STROHL

Treasurer
MILTON GREITZER

Secretary
DAVID DONALD

Faculty Adviser
PROF. W. S. LaLONDE, Jr.

The Newark College of Engineering Student Chapter of the American Society of Civil Engineers, a student branch of the National Society, meets monthly in the college and usually holds one outdoor meeting each year. The aims of the Chapter are to further professional contacts and to supplement school studies with current civil engineering topics. These topics are presented by well known members of the civil engineering profession by lectures, slides, and motion pictures.

Mr. Morris Goodkind, State Bridge Engineer and member of the Advisory Board of the Civil Department of the Newark College of Engineering spoke on "The Construction Features of the Edison Memorial Bridge." President Allan R. Cullimore of the Newark College of Engineering also spoke at a student chapter meeting, choosing for his topic, "The Civil Engineer in National Defense."

The meetings further the interest of the members in the engineering profession and develop a spirit of cooperative service in the professional, civil, and social life of the member.
The student branch of the American Institute of Electrical Engineers was organized in the fall of 1926. This organization grew out of the Electrical Society of the Newark College of Engineering that was organized the previous year.

Through lectures and inspection trips to industrial plants the society carries out its purpose to broaden the scope of the potential Electrical Engineers who are its members. Included among the topics that were presented this year were the applications of the basic direct-current measuring instruments, a film showing the accidents which occur to men working in wire-handling companies, and an interesting motion picture of testing and research presented by the Underwriters’ Laboratory. An inspection trip through the Laboratory took place at a later date.

The largest outside event of the year was the student convention of all the college branches of the American Institute of Electrical Engineers.

Papers were presented by a senior from each college branch, discussions were held, and inspection trips to nearby industries were planned.
American Society of Mechanical Engineers

Chairman
RICHARD P. JOHNSON

Vice-Chairman
D. HENRY MAGNALL

Treasurer
A. DIETZ

Recording Secretary
R. W. PRICHARD

Corresponding Secretary
R. HULL

The student chapter of the Society is composed of members of the Mechanical Engineering courses.

The purposes of the student branch are to acquaint members with methods used in industry by presenting speakers, at monthly meetings, who have had extensive industrial experience; to allow the student to observe at first hand, various industrial processes by conducting inspection trips; to bring members in contact with technical literature; and to accustom members to parliamentary procedure.

The student branch at the Newark College of Engineering is one of the largest in the United States and showed the greatest increase in membership of any college branch during 1940.

This year a large variety of subjects were presented at branch meetings. Included were the following, "Home Defense," "Wings of the Navy," "Superfinish," "The Engineer in Public Life," and "Practical Plant Management."

All members were permitted to inspect the General Motors assembly line at Linden. Seniors attended the sixty-first annual meeting of the parent society held in New York City, the 14th National Exposition of Power and Mechanical Engineering, the annual student convention at Brooklyn Polytechnic Institute, and inspected the power plant of Macy's Department Store in New York.
The Society for the Advancement of Management limits its membership to those men who have shown themselves particularly interested in the management side of engineering. Membership can be obtained only in the senior and junior years, since management subjects are available only to upperclassmen.

The student chapter holds four meetings a year at which prominent speakers who are well acquainted with industrial problems in this vicinity, are invited to discuss pertinent problems with the group. Student members are given the opportunity to attend the meetings of the Northern New Jersey Chapter of the society, which are held at the Hotel Douglas.

Another highlight of the activities of the society are plant inspection trips to factories within easy reach of Newark. Thus, the members of the society have an excellent chance to become acquainted with current developments in the management field and to receive the benefit of personal acquaintance with men already engaged in management work.
Fraternities
ALPHA KAPPA PI
ALPHA CHAPTER

President . . . . . . . . JOHN C. STILLWAGGON
Vice-President . . . . . . WILBERT H. ZUEST
Secretary . . . . . . . . EDWARD A. HEIDER
Assistant Secretary . . . . . WALTER F. HORNER, Jr.
Treasurer . . . . . . . . GREGORY MOELTER
Assistant Treasurer . . . . . J. WARD HOUCK, Jr.
Historian . . . . . . . . HENRY PRUNER
Chaplain . . . . . . . . EDWARD SCHWALJE
Sentinel . . . . . . . . DONALD F. SMITH
House Chairman . . . . . . . PETER J. SKURLA

MEMBERS
CLASS OF 1941
WILLIAM H. HOFFMAN
CHARLES M. KESSLER
GORDEN M. MANHARD
GREGORY M. MOELTER
STANLEY R. PAULIAUSKAS

CLASS OF 1942
WALTER M. PETROSKY
HENRY E. PRUNER
EDWARD N. SCHWALJE
PETER J. SKURLA
DONALD F. SMITH

CLASS OF 1943
JOHN A. HERMANN
JOHN GERACI
EDWARD P. HIGGINS
WALTER F. HORNER, Jr.
J. WARD HOUCK, Jr.
JOHN HOUGHTON
THOMAS W. JOHNSON

WILLIAM C. BENSON
RICHARD DAVIS
JOHN J. FLAHERTY
JAMES HUMMEL

CLASS OF 1941
JOHN C. STILLWAGGON
WILBERT H. ZUEST
EDWARD A. HEIDER
WALTER F. HORNER, Jr.
GREGORY MOELTER
J. WARD HOUCK, Jr.
HENRY PRUNER
EDWARD SCHWALJE
DONALD F. SMITH
PETER J. SKURLA

CLASS OF 1942
JOHN C. STILLWAGGON
GEORGE R. TARBOX, Jr.
FRANCIS J. TURLEY
WILBERT H. ZUEST

CLASS OF 1943
CHARLES H. KENNINGTON, Jr.
BENJAMIN W. MORGAN
JAMES J. SAVARESE
WALTER E. SKINNER
RALPH STRUEVER
ROBERT L. SWENSON

DONALD H. PETERSON
STEPHEN PETRO
WILLIAM PHARO

94
SIGMA PI
ALPHA MU CHAPTER

President . . . . . . . HUGO C. BIERTUEMPFEL
First Counselor . . . . . . EDWARD W. HIMSWORTH
Second Counselor . . . . . . CHRIS LOESER
Third Counselor . . . . . . ROBERT J. FLEMMING
Fourth Counselor . . . . . . JOHN C. ALPAUGH
Herald . . . . . . . MILLARD R. BERGER

MEMBERS

CLASS OF 1941
MILLARD R. BERGER
HUGO BIERTUEMPFEL
ROBERT J. FLEMMING
FRANCIS G. GINDER
FRANKLIN H. HARRIS
EDWARD W. HIMSWORTH
ROBERT S. FLEMMING

CLASS OF 1942
JOHN C. ALPAUGH
GEORGE E. AKERS
CHARLES W. DINGLE
J. CRAIG HAYCOCK
WILLIAM LONG
CHRIS LOESER
GORDON N. MEACHAM
JOHN K. REDMAN
THEODORE C. SCARLETT
WILLIAM LONG

CLASS OF 1943
ROBERT GIFFEN
KENNEDY SAVAGE

• 95
DELTA SIGMA ZETA

President . . . . . . . . . ROBERT DE GENNARO
Vice-President . . . . . . . . . ROCCO V. CAPPETO
Recording Secretary . . . . . . JOSEPH SICILIANO
Corresponding Secretary . . . . JOHN E. LICCARDI
Treasurer . . . . . . . . . . GENE A. ZARRO

CLASS OF 1941
OLIVER D'AMATO
ARMAND D'AVORIA
ROBERT DE GENNARO

CLASS OF 1942
ANTHONY ANCONETANI
ALBERT CAPISTA
ROCCO V. CAPPETO
SAMUEL F. CIRICILLO
NICHOLAS CIVITILLO
PHILLIP P. DILIBERTO

JOSEPH F. DILIBERTI
DOMINICK SOMMA

STEPHAN DRASCO
ERNEST S. GAIPA
JOHN E. LICCARDI
JOSEPH SICILIANO
JOSEPH VISCO

GENE A. ZARRO
PHI DELTA MU
KAPPA CHAPTER

President: GILBERT GLASS
Vice-President: LOUIS BARNET
Secretary: MILTON BUCK
Corresponding Secretary: LOUIS MANDELL
Treasurer: JOEL WALLENSTEIN

<table>
<thead>
<tr>
<th>CLASS OF 1941</th>
<th>CLASS OF 1942</th>
<th>CLASS OF 1943</th>
</tr>
</thead>
<tbody>
<tr>
<td>LOUIS BARNET</td>
<td>LOUIS MANDELL</td>
<td>SHELDON SIEGEL</td>
</tr>
<tr>
<td>MAX BELL</td>
<td>MANFRED MORGANTHAU</td>
<td>BERNARD WASSERLAUF</td>
</tr>
<tr>
<td>HOWARD BROADMAN</td>
<td>JOSEPH ROBERT</td>
<td>BERNARD MANOWITZ</td>
</tr>
<tr>
<td>HAROLD DOBRIKIN</td>
<td>JOSEPH SHEFRIN</td>
<td>CHARLES SABAT</td>
</tr>
<tr>
<td>GILBERT W. GLASS</td>
<td>BERNARD W. STARK</td>
<td>MORRIS ZIPKIN</td>
</tr>
<tr>
<td>MORTON GRAY</td>
<td>SAUL TESSLER</td>
<td></td>
</tr>
<tr>
<td>RALPH KOIZIM</td>
<td>IRVING WILNER</td>
<td></td>
</tr>
<tr>
<td>ARTHUR KREBS</td>
<td>JACK UNOFSKY</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LOUIS MANDELL</td>
<td>GERALD SHUR</td>
<td></td>
</tr>
<tr>
<td>MANFRED MORGANTHAU</td>
<td>JOEL WALLENSTEIN</td>
<td></td>
</tr>
<tr>
<td>JOSEPH ROBERT</td>
<td></td>
<td></td>
</tr>
<tr>
<td>JOSEPH SHEFRIN</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BERNARD W. STARK</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SAUL TESSLER</td>
<td></td>
<td></td>
</tr>
<tr>
<td>IRVING WILNER</td>
<td></td>
<td></td>
</tr>
<tr>
<td>JACK UNOFSKY</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FABIAN ADLER</td>
<td>MILTON BUCK</td>
<td></td>
</tr>
<tr>
<td>SEYMOUR KREVSKY</td>
<td>ARTHUR GOLDBER</td>
<td></td>
</tr>
<tr>
<td></td>
<td>SAMUEL GUSHIN</td>
<td></td>
</tr>
<tr>
<td></td>
<td>SANDER HOLSTEIN</td>
<td></td>
</tr>
<tr>
<td></td>
<td>NATHAN KAUFMAN</td>
<td></td>
</tr>
<tr>
<td></td>
<td>WILLIAM LEDER</td>
<td></td>
</tr>
</tbody>
</table>

• 97
PHI SIGMA OMEGA

BETA CHAPTER

Grand Master
Deputy Grand Master
Secretary
Treasurer

MEMBERS
CLASS OF 1941
JARVIS M. AKERLY
JOHN BEATTY
JOHN BIRMINGHAM
JOSEPH CONWAY
A. WELLESLEY EARL

ROBERT GAUTHIER
CHARLES GEISEL
ROBERT HARMS
WILLIAM HARTWYCK
ROMOLO JULIAN

CLASS OF 1942
EDWARD DUFFY
HAROLD ENTWISLE, Jr.
DONALD HUMMEL

RUDOLPH KLIMKIEWICZ
CHARLES ORIEL
CHARLES RODGERS
CHARLES WUHRMAN

CLASS OF 1943
ALBERT TESCHNER
GEORGE MORVAN

WALTER SKEISTAITIS, Jr.
ALBERT WALLACE

HENRY ZIMMERMAN
THEODORE FLORCZAK
The Interfraternity Council is the governing body of all social fraternities on the campus. Its purposes are to regulate the activities of fraternities, as a group, in their relationship to the student body, and also to act as an organizing body for interfraternity activities.

At the final Convocation each year the Interfraternity Council awards a trophy to the student having the highest scholastic standing in the Freshman Class. A trophy is also awarded to the fraternity having the highest scholastic achievement. A sports trophy is awarded to the fraternity having the largest number of points obtained in interfraternity activities, and a trophy is presented to the single fraternity man who earns the highest attainment in social and academic affairs.

The outstanding event in the social calendar of the Council is their annual dance, held in the late fall. This year this highly successful affair was held early in December, at the Continental Ballroom in Newark.
The Athletic Association, one of the largest organizations in the College, is entirely student organized and supported. The officers are elected at a general election at the close of each year.

The Athletic Association conducts an active campaign each fall to raise the funds necessary for the six teams N.C.E. puts in the sports field, plans the teams budgets, directs the intramural and interclass sports, and keeps records of the points for athletic awards. Last spring the Athletic Association added a Freshman Sophomore baseball game to the interclass sports program, which already includes a football and a basketball game for the Freshmen and Sophomores. Under the capable supervision of Joe Leary an extensive intramural sports program was undertaken and completed.

The class of 1941 wishes to take this opportunity to thank the members of the faculty who coach teams and aid in the Athletic programs for the time and effort that they have unselfishly devoted to this work. Their spirit should be an inspiration for the entire student body to get behind the Athletic Association and give it their wholehearted support.
VARSITY BASKETBALL

With five veteran players forming a nucleus about which to form a new team Coach Bauder began a strenuous period of training early in November. He had a tremendous task on hand trying to fill the gaps left by Don Bolton, Hank Meyer, and the All Conference Forward Captain Ray Hall. This was not the only difficulty that confronted Coach Bauder, for due to the new time at which evening classes began, practice sessions were cut to only one hour on Tuesdays and Thursdays.

The opening game was with N.C.E.'s traditional rival, Drew University. After holding a slight lead at the beginning of the fracas the inexperienced Newark team fell to pieces. Drew defeated N.C.E. by the score of 45-29. An unknown freshman, Bob Whinnery, was inserted into the line-up to help stem the tide of the very aggressive Circuit Riders, and turned in a very commendable performance by walking off with the team scoring honors for the evening.

The following Saturday the mighty Panzer team moved in with a consecutive winning streak of forty-two games. They defeated the Red Raiders 53-29. The team work and shooting of the N.C.E. men showed a vast improvement over their previous week's performance. The freshman sensation, Bob Whinnery, again led the team in scoring with eleven points. As a result of that victory Panzer tied L.I.U.'s record of forty-three consecutive victories.
Instead of improving with each following game the Engineers went into an unprecedented slump and were defeated by Brooklyn Poly 46-38, lost a thriller to Rutgers Pharmacy 44-40, and were drubbed by Pratt Institute 55-37. The team showed plenty of spirit and fight, but just could not click. Coach Bauder juggled the line-up several different ways trying to find a winning combine.

The N.C.E. cagers traveled to The Newark University court on Saturday night, January 18, to try for their first victory of the campaign. The battle that followed was one of the most thrilling engagements of the entire season's play. Both teams unleashed terrific scoring attacks. There was never more than four points difference in the score during the second half of the game. The Blue Bombers succeeded in defeating the Engineers by the score of 39-35 as a result of a four-point scoring spurt in the last few seconds of play.

N.C.E. finally climbed into the win column by defeating Newark State Teachers College on the Saturday following the exam period. The Red Raiders were in fine form and went on a scoring rampage to score 36 to the teachers' 25.

In the return game with Drew on Drew's home court, the N.C.E. boys again had a bad night. The Drew combine piled up a lead of 25 to 14 at the half which proved to be too much of a gap for N.C.E. to close. They won 46-35. It was the only time in the sports history of the two colleges that a Drew team won both basketball contests. It was the fourth victory for the Circuit Riders in the last twenty-six games between the two rivals.

On the following Saturday N.C.E. defeated Newark Technical School
49-34. The Tech boys had one of the best teams that ever represented the evening school. They used a two-team system that took all that the Red Raiders could give to beat them. Jim Ellor showed some of his last season’s form and fight. He led his team by scoring seventeen points.

Montclair State Teachers team came to the N.C.E. court expecting to have no trouble at all defeating the Engineers. They were stunned by the fine teamplay they ran up against during the first half of the contest. N.C.E. outplayed them in all departments and left the court at the half leading 31-26. During the second half N.C.E. suffered a complete reversal of form and were scalped by the Indians. The final score was 74-47. The N.C.E. boys were not the least bit downhearted by the poor record they had chalked up during the year. They practiced hard during the last week, with hopes of defeating the very strong Upsala team.

On Saturday night, March 8, N.C.E. scored the biggest upset of the N.J.I.A.C. history by defeating Upsala 72-53. The Red Raiders played their best game of the season. Joe Leary and Bob Whinnery led the scorers with 21 points apiece. Two conference records were broken as a result of that contest. The score of 72 points was the highest total amassed by any team during the N.J.I.A.C. history. Bob Drum of Upsala set a new individual scoring mark by scoring twenty-five points. This game was the last for Captain Pete Skurla, Ed Ebel, George Tarbox, and Johnny Flis.

Some of the shining lights in this year’s dismal campaign was the high scoring of the Freshman sensation Bob Whinnery, the fight and aggressiveness of Ed Ebel, and the sensational shooting of Joe Leary during the latter part of the season.
The Junior Varsity Basketball team consists of the members of the squad who are not numbered among the first ten men comprising the varsity team. They are the future stars of N.C.E. Their hard work at practice in offering the varsity good opposition often results in being moved up to the varsity. The Junior Varsity also wages scheduled games with the Jayvee teams of other institutions, and these are played as a preliminary attraction to the varsity games.

The Jayvees’ record of winning five out of eight games does not tell the true story. Alternating two teams, Coach Bauder gave each man an opportunity to show his ability in an attempt to make the varsity.

The leading sharpshooters were Capt. Pete Jermak, Bob Kirchuck, and Pete Adams, closely followed by Jack Cross, Kastner, Zimmerman, and Sweeney. Bob Sattler, Gourley, Tarranta, Carlson, and Rau proved to be fine team players.

<table>
<thead>
<tr>
<th>N.C.E.</th>
<th>Opp.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drew J.V.</td>
<td>24</td>
</tr>
<tr>
<td>Grace Baptist</td>
<td>25</td>
</tr>
<tr>
<td>Brooklyn Poly. Inst., J.V.</td>
<td>38</td>
</tr>
<tr>
<td>Newark University J.V.</td>
<td>18</td>
</tr>
</tbody>
</table>
WRESTLING

After two years of intercollegiate competition, the wrestling team was forced to discontinue its schedule because of the lack of experienced men. In spite of this, a promising group of men appeared regularly at practice. Since Professor Baker could no longer act as coach, Bob Flemming and Frank Pollara took over the job and taught the men the fundamentals of the sport.

If possible, the team will continue its schedule next year with matches against Montclair State Teachers College, Brooklyn Polytechnic Institute, and the Newton Boys' Club.

Throughout the season, regular matches were held between the candidates, and a great deal of experience was acquired by them. The squad consisted of Irving Wilner, Bill Johnson, Arnold Sorkin, Ed Kossack, Greg Pichel, Art Henderson, Bill Pier, Irving Kirstein, Jack Vliet, Bill Heberling, and Joe Phalon.
FENCING

The fencing team of the Newark College of Engineering, under the able guidance of Coach Norman Wyckoff, has, during the past few years, established a very commendable record. In the last four years the N.C.E. foilsman have won thirty-two matches, and have lost only seven. This fine record was made against stiff competition from colleges such as Fordham, Temple, Lafayette, Drew, Lehigh.

This season the team won six matches and lost two. Most of the burden of this year's work was borne by Captain Jack Stillwaggon, Anthony Geraci, William Harrison, and Walt Petrosky. They performed nobly under the pressure and strain of so many close matches.

It is fitting that the class of 1940 take this opportunity to thank Coach Wyckoff for the time and effort that he unselfishly devoted to this work, for Coach Wyckoff is not a member of the faculty or is he in any way paid for his services. He has sacrificed his spare time by aiding and teaching the members of the team how to improve their fencing. The fine work that he has done is verified by the remarkable record of the team under his tutelage.

<table>
<thead>
<tr>
<th>N.C.E.</th>
<th>Opp.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Panzer</td>
<td>9</td>
</tr>
<tr>
<td>Cooper Union</td>
<td>7</td>
</tr>
<tr>
<td>Panzer</td>
<td>7</td>
</tr>
<tr>
<td>N.S.T.C.</td>
<td>8</td>
</tr>
<tr>
<td>Temple</td>
<td>9</td>
</tr>
<tr>
<td>Drew</td>
<td>10</td>
</tr>
<tr>
<td>M.S.T.C.</td>
<td>8</td>
</tr>
<tr>
<td>Wagner</td>
<td>9</td>
</tr>
</tbody>
</table>

1 0 8
During 1940 the Red and White had one of its most successful track seasons. The team won the first Northern New Jersey Intercollegiate Conference Championship meet, beat Cooper Union in a dual meet and placed second to St. Peter's in a triangular meet with Panzer, the third team. Co-captain Bill Hoffman and Guy Willey led the team in scoring for the season.

Coach Thomas J. Tully is looking forward to an even more successful season this year since no one has been lost through graduation, and some new recruits have been added from the Freshman class. Gordon Manhard, distance runner, has also taken over the managerial duties and has scheduled meets with Queens College, St. Peter's, Panzer, and Cooper Union. The Collegiate Conference Championship meet and the Metropolitan Class B Championship meet complete the schedule.
After a successful season last year Newark College of Engineering’s Tennis Team is now preparing to play a heavy schedule this season. This spring the team has already scheduled meets with Drew University, Upsala, Rutgers Pharmacy, Wagner College, Webb Institute, Seton Hall, Montclair State Teachers, and Newark State Teachers.

If not hampered by weather as they were last year the team has high hopes for a very successful campaign.

Returning this year to the first practice are the veterans from last year’s conflicts, Captain Joseph Siciliano, Lawrence Girard and Pete Jermak. These men and new recruits from the Freshman Class expect to carry on the brilliant work of the team under the able tutelage of Professor Jordan.
TABLE TENNIS

Since its organization in February, 1938, the Newark College of Engineering Table Tennis Team has maintained the best competitive record of any sport in the institution. In the four years that it has been active it has won twenty-one of twenty-four matches.

Among the more recent victims are: Rutgers University, Rutgers Pharmacy, Newark University, John Marshall College, Seton Hall, Paterson State Teachers College, and Newark State Teachers College.

Much of the credit for the success of the team goes to a member of the class of ’41—Joseph Shefrin. Joe realized the recreational and competitive possibilities of this sport and as a result organized the club. As interest in the sport mounted and the membership increased a Varsity team was formed with the approval of the Student Council.

Joe captained the team until 1940, when with the final approval of the A.A. it won the first Championship of the Greater Newark Intercollegiate League.

The 1941 team is managed by Larry Girard, ’43, and consists of Girard, Allan Alexovits, Joseph Siciliano, Joseph Shefrin, Harold Schnackel, and Murray Greenberg.

This year the team, being undefeated, won the New Jersey Intercollegiate Table Tennis League Championship.
Since the cheerleader’s squad was organized three years ago it has spurred our teams on to greater triumphs. When the outlook appeared dark and gloomy they could always be depended upon to lead the student body in cheers encouraging the team to victory or to keep their spirits high in defeat. New cheers and variations of the old ones, energetically presented, shared the spotlight with their ever cheerful countenances.

Captain Hank Warde, Ralph Struever, George Fusner, and Bob Gauthier will be remembered for the enthusiasm, school spirit, and confidence which they so nobly displayed in the team.
Compliments of

Diehl Manufacturing Company

Electrical Division of

The Singer Manufacturing Company

Elizabethport, N. J.

Manufacturers of

Motors - Generators - Fans

OVER 100 YEARS EXPERIENCE IN BUILDING HIGH GRADE GEAR CUTTING MACHINES AND SHAPERS

Gould & Eberhardt

Newark (Irvington), N. J.
EVENING ENGINEERING COURSES

OF

THE NEWARK TECHNICAL SCHOOL

Administered with the College of Engineering by the
Board of Trustees of Schools for
Industrial Education of Newark, New Jersey

CHEMICAL, CIVIL, ELECTRICAL,
AND MECHANICAL ENGINEERING COURSES

For information apply to the Registrar

NEWARK TECHNICAL SCHOOL

367 HIGH STREET
NEWARK, N. J.
ALL

PHOTOGRAPHIC WORK

for the

1941 YEARBOOK

done by

NU-CAMERA STUDIO

of

Kresge Department Store

NEWARK, N. J.
Compliments of

A FRIEND

Compliments of

Art Morris
of
HORTON AGENCY
of the
HOME LIFE INSURANCE

Compliments of

A Friend

Ralph’s Luncheonette
382 HIGH ST. at WARREN
NEWARK, N. J.

Compliments of

Jack’s Luncheonette
HIGH ST. and SUMMIT PLACE
NEWARK, N. J.

Kent Parking Garage
A Complete Parking Repair Service
159 Washington St. at Warren St.
Newark, N. J.

Compliments of

CRANE & MILLIGAN
HARDWARE and MILL SUPPLIES
54-56 EDISON PLACE
NEWARK, N. J.
TROY
QUALITY COKE
FUEL OIL
OIL BURNERS
COAL STOKERS

“GOLDEN GLOW”
and
B-K PREMIUM
ANTHRACITE
BITUMINOUS

Call
EDGAR P. HARRISON COAL CO.
91 EAST PEDDIE ST.
WHOLESALE
Phone BI 3-0136
NEWARK, N. J.
RETAIL

Compliments of
Hajoca Corporation
326 FRELINGHUYSEN AVE.
NEWARK, N. J.

Rothrock Tailors, Inc.
New Jersey’s Finest Dress Suit Rental Dept
EXCLUSIVE CUSTOM TAILORING
53 ACADEMY STREET
NEWARK, N. J.
Special Rates to N.C.E.

LOREN MURCHINSON AND CO.
Jewelers and Stationers

40 CLINTON STREET
NEWARK, N. J.

Official Jewelers for the
Class of 1941

Represented by John Kilborne
Webster says — "Tradition is the delivery of opinions, doctrines, practices and customs from ancestors to posterity . . . ."

The ability to produce outstanding Annuals has been a tradition in the "Progress Family" for the past thirty years. Our growth has not been a mushroom one, but a steady, conservative building process, designed to give you better and finer books. All of the Progress personnel are at your service, with layouts and designs, personal contacts, cover ideas, and helpful editing hints.

May we suggest that when you think of a Class Book, think of . . .

PROGRESS PUBLISHING CO.

PROGRESS SQUARE, CALDWELL, NEW JERSEY

Caldwell 6-1000

PRODUCERS OF OUTSTANDING ANNUALS SINCE 1911
For Reference

Not to be taken from this room