

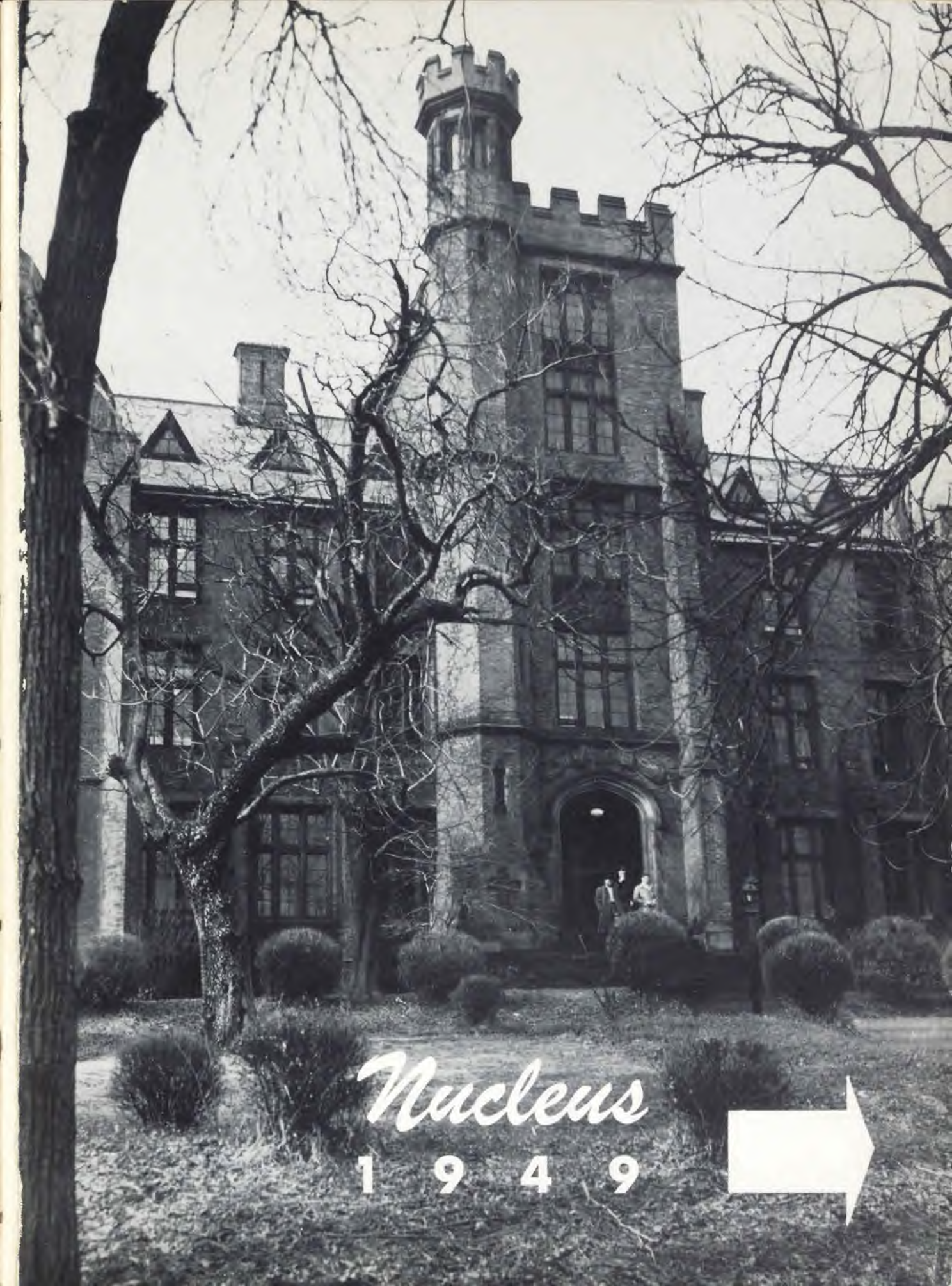
1949

NUCLEUS









Nucleus

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Nucleus 1949



NEWARK COLLEGE



OF ENGINEERING • NEWARK, NEW JERSEY



*Robert W.
Van Houten*

N. C. E. '30

*Dean and
Acting President*



EARLY in our Junior year, Dean Van Houten assumed the added responsibilities of Acting President of Newark College of Engineering, and since that time the College has progressed rapidly. With the addition of Eberthart Hall and the new Laboratory building, it has expanded physically and along with this has come more social activity, wider publicity, and apparently a whole new spirit. It is a fortunate coincidence that the College should acquire such a man in its period of development. Although many of us have not had the opportunity to contact him personally, those of us who know Dean Van Houten better, know him to be a most sincere and warm-hearted man as well as an able and efficient administrator. To you Dean Van Houten, we, the Class of 1949, dedicate this book in gratitude for your devotion in the past and with the hope that your future will be as fruitful as your past.

71733



Charles H. Duursema

Class

I welcome this opportunity to write a message to the class of 1949. Your class, consisting of more than eighty percent veterans, bears out all that has been said or written concerning the mature viewpoint and sense of responsibility of the veteran.

There are two thoughts that I would like to leave with you at this time. First, it is entirely unnecessary for me to remind you that most of you are not at the present time engineers. Those of you who have properly utilized your opportunities have received a mental training, together with some knowledge of engineering which equips you to go on and acquire the vast amount of practical knowledge necessary to the engineer. You should, also, continue with some program of study. It is true that you have had enough book learning to enable you to earn a living without further study but you can never attain professional distinction without continuing your studies.

In this respect, most of you should be able to make the transition between undergraduate and graduate work without too much difficulty. You should realize that you will not be aided, advised and prodded quite as much as you have been heretofore.

Secondly, it is my firm belief, that as citizens and prospective engineers you are going to have to take a vital and directing part in public affairs if our way of life is to survive. Let me cite an example of the woeful lack of interest shown even in municipal affairs. At the time of writing of this article, local budget hearings

on school affairs show a disgraceful lack of attendance in most communities. This, in itself, might appear to indicate that the public trusts the judgement of its school officials but the poor turnout at the school election is proof in itself that only a very small percentage of the public cares enough to exercise his franchise. Does the average taxpayer not know that over seventy percent of his local taxes support the local schools?

The engineer, scientist and technician share the responsibility for what has become of the world more so than men in any other profession. If all of us had a keen sense of duty in this respect, and would properly utilize our experience and ability in various ways, as well as impressing the truth upon our representatives in municipal and national affairs, I believe that we would accomplish an immense amount of good.

Theodore Roosevelt once said, "I want you to feel that it is not merely your right to take part in politics, not merely your duty to the state, but that it is demanded by your own self-respect, unless you are content to acknowledge that you are unfit to govern yourself and have to submit to the rule of somebody else as master—and this is what it means if you do not do your own part in government."

In conclusion, I wish to say that it has given me sincere pleasure if I have been of any assistance to you. I wish each one and all of you a truly successful professional career.

Charles A. Quisenberry

Adviser



*Dr. Allen R.
Cullimore*

Dean of Newark College of Engineering
1919 — 1927

President of Newark College of Engineering
1927 — 1947

ROBERT W. VAN HOUTEN
Dean of the College
Acting President

CHARLES O. ROTH, JR.
Assistant to the President

ROBERT C. HOAG
Assistant to the President

ROBERT L. VANNOTE
Assistant to the President

JAMES A. BRADLEY
Dean of Graduate Division

ELLIS O. KELLER
Director of Special Courses

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In Charge of Industrial Relations

IRVIN G. MORRIS, JR.
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Librarian

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Bursar

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Registrar

MARGARET A. YATSKO
Recorder

ADELE GARRISON
Cashier



HAROLD N. CUMMINGS
Vice President



WILLIAM HAZELL, JR.
Associate Dean
Director of Admissions



H. H. METZENHEIM
Comptroller

Administration



Officers of the Class of '49

GERALD LYNCH
President

EDGAR NORDFORS
Vice-President

EDWARD LISOVICZ
Treasurer

HENRY HART
Secretary

Class History

CLASS organization started in our Sophomore year, however it wasn't until our Junior year that any progress was made. Frank Navratil and Don Summers organized the Class Council and elections were held in November, 1947. Frank was elected President, August Stasi Vice President, Ruth Jordan Treasurer and Henry Hart Secretary. Social events that year were the Junior Dance at the South Orange Masonic Hall in December and the Junior Prom at the Cresmont Country Club in February.

In April, 1948, the Senior officers were elected. Gerry Lynch President, Ed Nordfors Vice President, Ed Lisovicz Treasurer and Henry Hart Secretary. The Ring Committee, headed by Frank Cozzerelli, the Cap and Gown Committee under Hy Abrams and the Yearbook Staff under Don Summers were functioning well at the start of the year.

The Senior Dance at the East Orange Armory in October was a social success. Plans for our Spring Dance and Senior Ball are under way. It is with a mixture of joy and remorse that the class of '49 leaves N. C. E.



Senior Class Council



Nucleus Staff

Editor-in-Chief

Don Summers

Associate Editor

William T. Kirchner

Business Manager

William Gerber

Advertising

Frank Navratil

Circulation

Raymond Vincent

Literary Staff

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Professional Department Editor

Arnold Singer

Layout

Harry Hammel
Angelo Pawlakos

Faculty Adviser

Mr. H. E. Estrin

The Engineer's Oath . . .

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

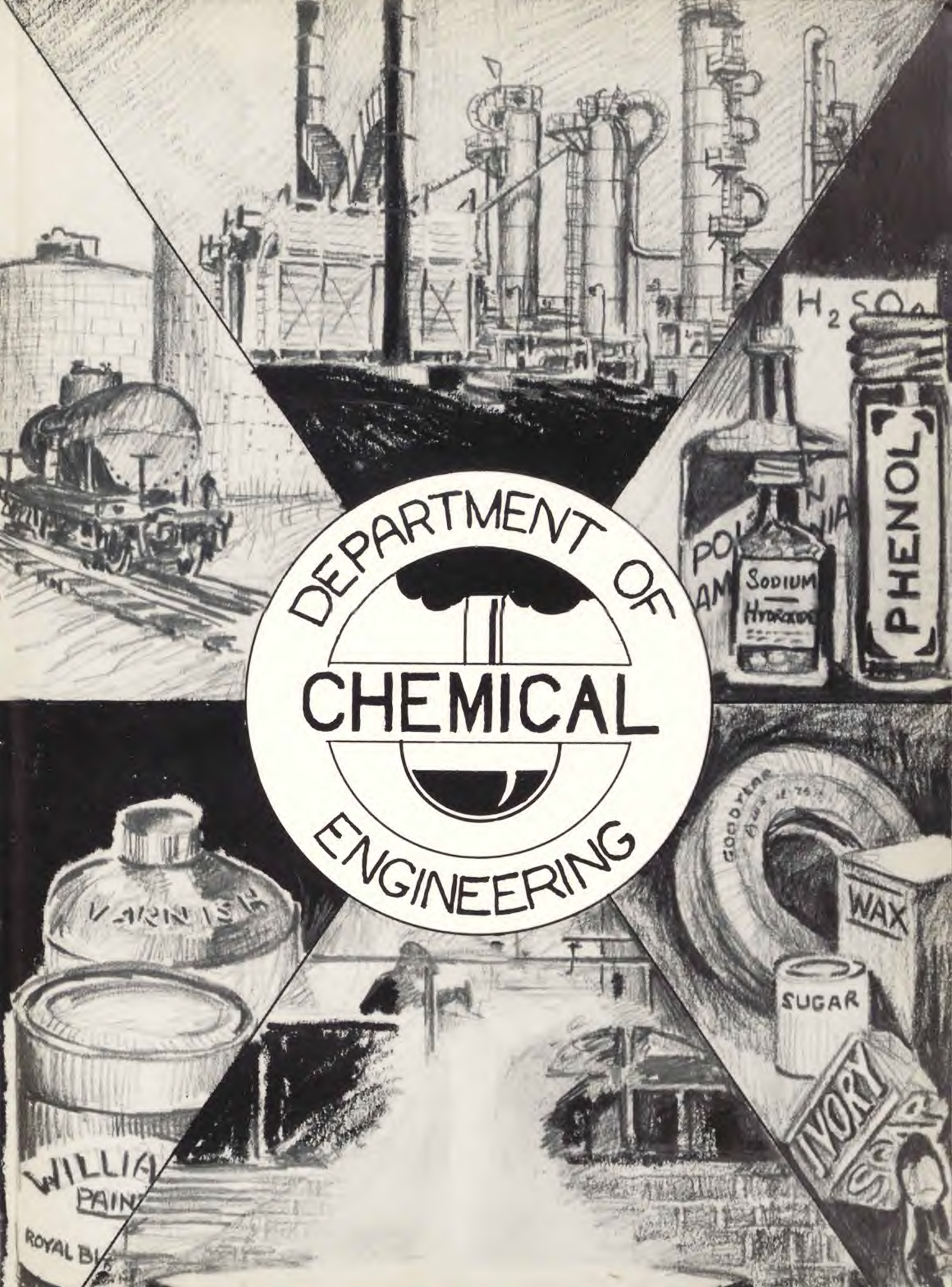
AS AN ENGINEER: I believe that the duties and the responsibilities of the profession rest more heavily upon me because of the traditions, the heritage, and the accumulated experience passed down to me by members of the same profession in earlier generations, and I believe I should dedicate my efforts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

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

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

All these things I do truly believe and to these principles I solemnly commit myself.

DEPARTMENT OF
CHEMICAL
ENGINEERING



Chemical Engineering Department



PROFESSOR CHARLES L. MANTELL
Chairman



PROFESSOR GEORGE C. KEEFFE
Executive Associate



Staff

Professors: James A. Bradley, Vernon T. Stewart, Joseph J. Joffe, Paul M. Giesy, Carl W. Carlson, Michael Fredricks.

Messrs: Jerome J. Salamone, Melvin Wolkstien.





FRANK G. ANGELACCI

67 Stone Street
Newark, N. J.

Frank is a rather serious, conscientious fellow and he has the ability to think things through.

American Chemical Society and Association of Chemical Engineering Students.



JOHN BISKUP

24 Hunter Street
Newark, N. J.

John is as proper a man as ever trod upon neats leather.



RAYMOND E. BOERNER

5 Balmiere Road North
Cranford, N. J.

"A moments thinking is an hour in words."



RONALD E. BOETSCH

466 Nye Avenue
Irvington, N. J.

"No mind is thoroughly well organized that is deficient in a sense of humor."

Sigma Pi.



HOWARD J. BOWDEN

14 Lembeck Avenue
Jersey City, N. J.

A young man with a good sense of humor and the capacity to stay with a problem until it is well done.

A. C. S. and A. C. E. S.; Tau Beta Pi; Write-up Staff. *Nucleus*; Junior and Senior Honors Option.



HARRY H. BROWN

52 Elm Avenue
Hackensack, N. J.

"Labor is but refreshment from repose."

President, Sigma Pi.



WILLIAM J. CONNOLLY

652 Monroe Avenue
Elizabeth, N. J.

When Chemical Engineering becomes overbearing Jeff retreats to his farm and finds solace among his serene bovines.

American Chemical Society; A. C. E. S.; Visitors' Day Program.



FRANK COZZARELLI

341 Washington Avenue
Belleville, N. J.

Such rare concern over a hoop of gold, a stone of ruby hue.

Pi Kappa Phi; Chairman, Ring Committee; Junior Class Council; American Chemical Society.



ELBERT T. CULVER

450 Clifton Avenue
Newark, N. J.

Bert's ability to make friends, and his knowledge of engineering should see him go far in industry.

Representative, Senior Class Council; A. C. S. and A. C. E. S.; Write-up Staff, *Nucleus*; Junior and Senior Honors Option.



EDWIN L. CURRIER

161 Main Street
Garfield, N. J.

"As I am so I see."



AUGUSTINE DABRAVALSKI

165 Wilson Avenue
Kearny, N. J.

He is sober but not serious, quiet but not idle.

American Chemical Society and A. C. E. S.; Junior Honors Option.



ROBERT J. DELACK

179 North 17th Street
East Orange, N. J.

Bob has been a fine classmate. He is sincere and hard working.

American Chemical Society and Association of Chemical Engineering Students.



PETER G. G. DELAHUNT

15 Wayne Place
Nutley, N. J.

Strictly from *Esquire*; a gentleman who acts the part.

American Chemical Society and Association of Chemical Engineering Students; Basketball.



JOHN E. DENCH

49 Maple Avenue
West Orange, N. J.

A young man whom we are proud to know. There are few engineers who will do better than John.

A. C. S. and A. C. E. S.; Tau Beta Pi; Write-up Staff, *Nucleus*; Fencing Team; Junior and Senior Honors Option.



CHARLES DEVRISHIAN

262 Washington Avenue
Clifton, N. J.

Chuck's rare good humor is a haven wherein all are welcome.

American Chemical Society.



DONALD L. DICKIE

718 Maywood Avenue
Maywood, N. J.

"Honor lies in honest toil."
Alpha Sigma Phi.



CHARLES E. DUGGAN

128 Rutherford Place
Arlington, N. J.

"Our dignity is not in what we do but in what we understand."



MURLIN C. EHRGOTT

87 Reservoir Avenue
Jersey City, N. J.

A scientist in every sense of the word; he has a keen insight into the problems of engineering.

A. C. S. and A. C. E. S.; Tau Beta Pi; Junior and Senior Honor-Option.



FRANK M. FAFF

1142 Hollywood Road
Linden, N. J.

Never was a man more capable nor
more deserving.

Tau Beta Pi; Senior Class Council.



FOSTER FRANKS

108 Martin Street
Paterson, N. J.

Seen at anytime with Sal Rinaldi in
the library.

Association of Chemical Engineering
Students and American Chemical Society.



CHARLES J. HARTMANN

23 Franklin Place
Arlington, N. J.

An efficient administrator, Charles
has more than doubled A. C. S. membership.

President, A. C. S.; Secretary Professional Societies Council; I. R. E. and A. C. E. S.; Radio and Baseball Clubs.



CHARLES E. JACOBSON

404 Highland Avenue
Kearny, N. J.

"Tis toils' reward that sweetens industry."

American Chemical Society.



RUTH M. JORDAN

40 North Spring Garden Avenue
Nutley, N. J.

Ruth is our very best chemical engineer.

Treasurer, Junior Class Council; Representative, Senior Class Council; A. C. S. and A. C. E. S.; Tau Beta Pi Woman's Badge; Student Council; Features Staff, *Technician*; Junior and Senior Honors Option.



ROBERT W. LULL

263 Harding Avenue
Clifton, New Jersey

A true scholar; reserved, yet always ready to help.

American Chemical Society and A. C. E. S.; Junior and Senior Honors Option.



EDWARD H. LYMAN

706 McCandless Place
Linden, N. J.

By applying engineering insight to the playing of pinball machines, Ed has won countless packs of cigarettes and free games.

Association of Chemical Engineering Students.



JAMES T. McQUEEN

160 Williamson Avenue
Hillside, N. J.

"Only a life lived for others is a life worthwhile."



THEODORE G. MEGLIS

151 Brookdale Avenue
Newark, N. J.

"Man is the artifice of his own happiness."



PETER J. MIHALIK

52 East Clifton Avenue
Clifton, N. J.

Pete has an amazing versatility behind a calm exterior.



HEINZ MOES

8 Eaton Place
East Orange, N. J.

Quiet and reserved. To "Moe" applies the old adage: Still water runs deep.

American Chemical Society; A. C. E. S.; Visitors' Day Program.



EDWARD A. MORSE

192 Clinton Avenue
Newark, N. J.

Ed was a swell classmate, a lot of fun to be with whether at work or play.

American Chemical Society and Association of Chemical Engineering Students.



ALBERT NOTAR-TOMASO

22A Cooper Place
Weehawken, N. J.

Al has tasted of rusticity in Scotch Plains, but now he enjoys urban life in Weehawken.



ANGELO J. PAWLAKOS

32 Abington Avenue
Newark, N. J.

Angelo is our budding philosopher with his ineradicable smile.

American Chemical Society; Student Council; Visitors' Day Program; Layout Staff, *Nucleus*; A. C. E. S.



ERNEST R. POLITZ

1236 Robert Street
Hillside, N. J.

Ernie is our *Huckster*, a high-pressure publicity man, dressed and bespectacled for the part.

Secretary, A. C. S., S. A. M., and A. C. E. S.; Student Council; Reporter, *Technician*; Write-up Staff, *Nucleus*.



PAUL POLLARA

319 Livingston Avenue
Lyndhurst, N. J.

A sense of duty forever pursues Paul.

American Chemical Society and Association of Chemical Engineering Students.



KENNETH H. REYSEN

224 Post Avenue
Lyndhurst, N. J.

We never tire of listening to Ken give a speech. Besides being a good engineer, we expect him to make a swell after-dinner speaker.

American Chemical Society and Association of Chemical Engineering Students.



SALVADOR F. RINALDI

76 Maple Street
Paterson, N. J.

Although steeped in the meetings of A. C. S. and A. C. E. S., Sal may be seen in the library with Foster—between 8 A. M. and 6 P. M.

American Chemical Society and American Chemical Engineers Society.



ANTHONY G. RUBINO

269 Columbia Avenue
Irvington, N. J.

He is a quiet, sober fellow; a man of high moral integrity.

American Chemical Society and A. C. E. S.; Baseball Club.



SEYMOUR SCHLOSBERG

193 Seymour Avenue
Newark, New Jersey

Schlos can speak authoritatively on almost any topic and will do so at the drop of a slide rule.

American Chemical Society; Junior Honors Option.



JOHN W. SCHWEIKART

24 Walnut Street
Summit, New Jersey

John wants the most from his education and he has the ability to use it to the best advantage.

American Chemical Society and Association of Chemical Engineering Students.



WILLIAM STEINIGER

58 Arthur Street
Clifton, New Jersey

Bill's very knowing.



DONALD C. SUMMERS

220 Page Avenue
Lyndhurst, New Jersey

Unstintingly Don gives his efforts and labors to Bobbie and to the welfare of our class and school.

President, Nu Chi Epsilon; Editor-in-Chief, *Nucleus*; Junior and Senior Class Councils; A. C. S.; Student Council; Social Affairs Committee; Sigma Pi; Reporter, *Technician*; Co-chairman, Junior Prom.



ALFRED TABOADA

123 Dewey Street
Newark, N. J.

With his musical talent and athletic ability, social-minded Al would be an asset to any profession.

President, Pi Kappa Phi; Junior Class Council; Social Affairs and Interfraternity Council; A. C. S.; Junior Prom Committee.



WILLIAM B. TALIPSKY

119 Lake Avenue
Clifton, N. J.

A merry heart maketh a cheerful
countenance.



RICHARD P. TROEGER

302 Washington Avenue
Hoboken, N. J.

Dick has applied the Scientific
Method to physical education and
found that it pays to be ignorant.

American Chemical Society; Association
of Chemical Engineering Students;
Sigma Pi; Class Council.



HOLCOMBE T. TUGGLE, JR.

136 East 9th Street
Plainfield, N. J.

A competent man with a swell sense
of humor; he will undoubtedly go
far in professional life.

President, Association of Chemical
Engineering Students; American
Chemical Society; Junior and Senior
Honors Option.



FREDERICK K. WHITE

320 Highland Avenue
Upper Montclair, N. J.

A man of unappreciated talents,
Fred has a keen intellect and much
executive ability.

American Chemical Society; Art Staff,
Nucleus; Association of Chemical
Engineering Students.



ERNEST WIEGLEB

107 Arlington Avenue
Hawthorne, N. J.

Ernie has never wished to cater to
the crowd.



GEORGE H. WILLIAMS

60 Bamford Avenue
Hawthorne, N. J.

"The happiest person is the one who
thinks the most interesting thoughts."



ELMER J. YEDLICK

129 Westervelt Place
Passaic, N. J.

Whose subtle wit would always
make a hit.

Senior Class Council.

EUGENE G. CASTAGNA

87 Stockman Place
Irvington, N. J.

"The greater the difficulty the
greater the glory."

Treasurer, Junior Class Council; Pi
Kappa Phi; Staff *Technician*; Basket-
ball.

CHARLES EISENMANN

1805 Manor Drive
Union, N. J.

"Success begins with a fellows will."

EDWIN SWANSICK

15 Cresent Terrace
Belleville, N. J.

"The days that make us happy make
us wise."

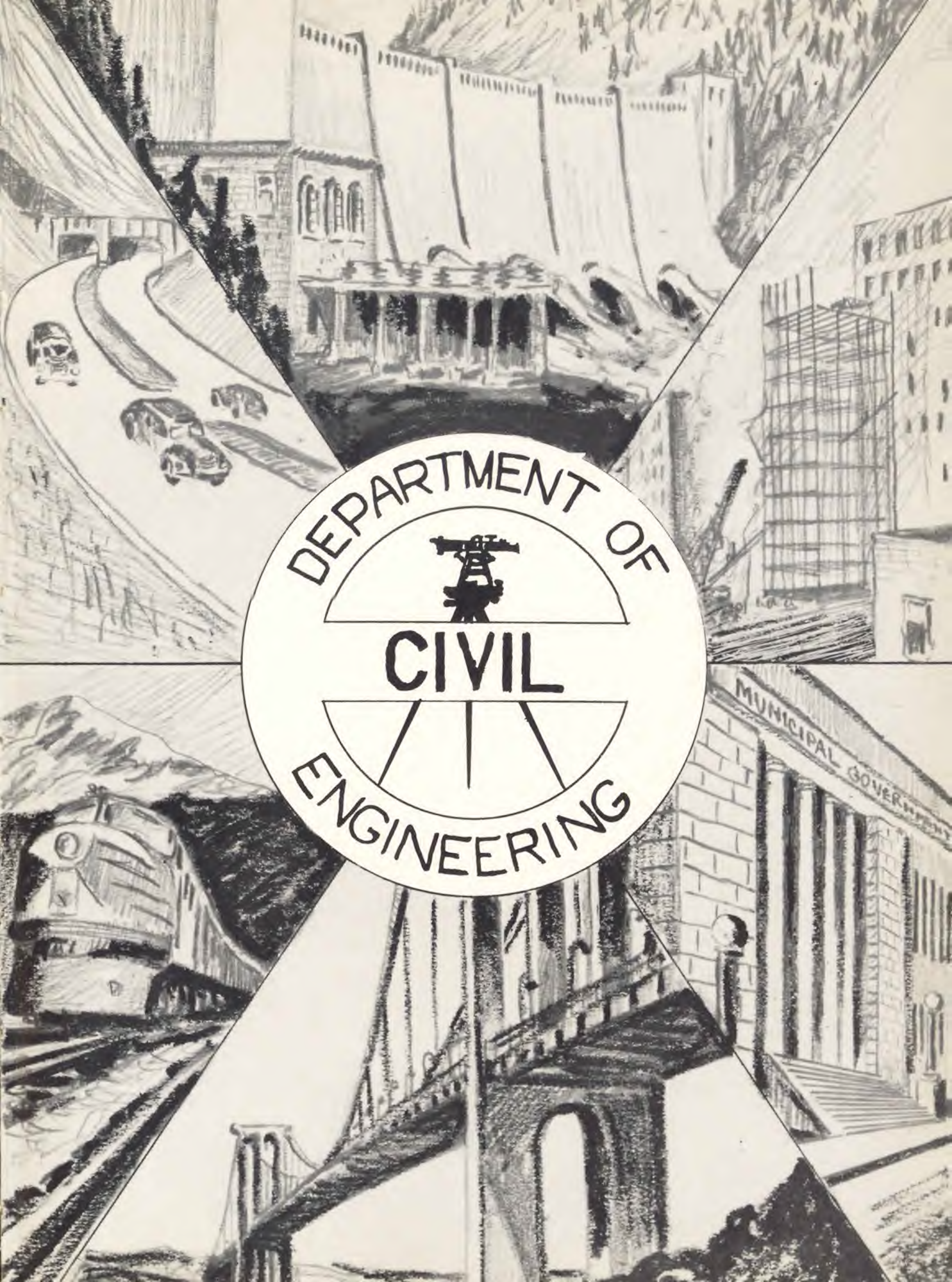


RODGER R. ZOCCOLILLO

1065 E. 25th Street
Paterson 3, N. J.

Dashing and delightful, Zoc is a
good subtle fellow to have around.





DEPARTMENT OF
CIVIL
ENGINEERING



Civil Engineering Department



PROFESSOR WILLIAM S. LaLONDE, JR.
Chairman



PROFESSOR JAMES M. ROBINS
Executive Associate



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Professors: Fredrick G. Lehman, Richard D. Mangasarian.
Messrs: Robert J. Ballis, Emery Marton, Leonard Shapiro.





ANTHONY G. RUBINO

269 Columbia Avenue
Irvington, N. J.

He is a quiet, sober fellow; a man of high moral integrity.

American Chemical Society and A. C. E. S.; Baseball Club.



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193 Seymour Avenue
Newark, New Jersey

Schlos can speak authoritatively on almost any topic and will do so at the drop of a slide rule.

American Chemical Society; Junior Honors Option.



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24 Walnut Street
Summit, New Jersey

John wants the most from his education and he has the ability to use it to the best advantage.

American Chemical Society and Association of Chemical Engineering Students.



WILLIAM STEINIGER

58 Arthur Street
Clifton, New Jersey

Bill's very knowing.



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220 Page Avenue
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Unstintingly Don gives his efforts and labors to Bobbie and to the welfare of our class and school.

President, Nu Chi Epsilon; Editor-in-Chief, *Nucleus*; Junior and Senior Class Councils; A. C. S.; Student Council; Social Affairs Committee; Sigma Pi; Reporter, *Technician*; Co-chairman, Junior Prom.



ALFRED TABOADA

123 Dewey Street
Newark, N. J.

With his musical talent and athletic ability, social-minded Al would be an asset to any profession.

President, Pi Kappa Phi; Junior Class Council; Social Affairs and Interfraternity Council; A. C. S.; Junior Prom Committee.



**CARMEN ANTHONY
DiSTEFANO**

425 66th Street
West New York, N. J.

The gay blade with never a worry
or a care, who disproves that popular
theory that engineers are "burnt out".
American Society of Civil Engineers.



ROBERT A. FREDRICKS

11 Berkshire Avenue
Paterson, N. J.

Bob takes a dim view of all struc-
tures, stating very fondly, "You'll
never get it off the ground".

American Society of Civil Engineers;
Scholarship, Camp Technology, M. I.
T.; Visitors Day Program.



WILLIAM GERBER

9 Sheridan Avenue
Newark 8, N. J.

Bill will Probably put Rockefeller
to shame. Watch out Wall Street.

President, Tau Epsilon Phi; Business
Manager, *Nucleus* and *Technician*;
Nu Chi Epsilon; A. S. C. E.; Student
Council.



HERBERT P. GIESER

101 Schofield Street
Newark, N. J.

Herb's familiar expression is, "How
is every little thing?"

Chairman, Program Committee, A. S.
C. E.; Representative, Class Council;
Literary Staff, *Nucleus*; Attended
Camp Technology, M. I. T.



ROBERT E. GRIMM

345 Prospect Street
South Orange, N. J.

Bob has the only "hot-rod" on the
campus, and should be right in style
in California.

American Society of Civil Engineers;
Visitor's Day Program.



JACQUES HACKER

117 Seymour Avenue
Newark 8, N. J.

In the high pinnacles of the Civil
Department, Jack can be heard yodel-
ing to his heart's content.

Studied Civil Engineering at E. T. H.
Institute, Zurich, Switzerland; came
to U. S. in 1947 to complete studies
at N. C. E.



CHARLES T. JOHNSON

67 Hillerest Road
West Caldwell, N. J.

Chick always turns in a neat piece of work.

A. S. C. E.; Sigma Pi; Attended Camp Technology, M. I. T.



NICHOLAS T. KAMINS

325 Hillside Avenue
Newark, N. J.

Nick is always selling something at bargain prices.

A. S. C. E.; Student Council; Senior Dance Committee; Advertising Staff, *Nucleus*.



WILLIAM T. KIRCHNER

314 - 76th Street
North Bergen, N. J.

Bill is the fellow with the smile on his face and the everready quip on his tongue, whose wit has helped to relieve the monotony of many a long recitation.

Associate Editor, *Nucleus*; Representative, Class Council, A. S. C. E.; Staff of *Surveyor*.



FRANK P. KOCZUR

131 Fulton Street
Elizabeth, N. J.

Frank has a story or gag for every occasion.

Chairman, Senior Dance Committee; A. S. C. E.; Social Affairs Council; Advertising Staff, *Nucleus*.



SOLOMON M. LANG

29 Clinton Avenue
Jersey City, N. J.

When Jim Dolan runs for Public Office, Sol will be his campaign manager.

American Society of Civil Engineers.



EDMUND J. LAUBUSCH

203 Linden Avenue
Irvington, N. J.

Ed has his pencil and pen well in command while doing drafting.

A. S. C. E.; Attended M. I. T. Camp Technology.



RUSSELL F. LEWIS

178 North Walnut Street
East Orange, N. J.

What will Lewis do without his *car*?
Representative, Class Council, Junior;
A. S. C. E.; Tau Beta Pi; Student
Council; Chairman, Visitors Day
Committee.



LEONARD LIEBOWITZ

5121 Bergenline Avenue
West New York, N. J.

Len is one of the very few quiet
"Civils".
American Society of Civil Engineers.



BERNARD M. LUBETKIN

121 Center Terrace
Newark, N. J.

N. C. E. has offered Bernie two life-
time memberships. Did you?
President Athletic Association; Stu-
dent Council; Tau Beta Pi; A. S. C.
E.; Basketball.



JOSEPH F. MULCAHY

128 Prospect Place
South Orange, N. J.

Joe has that stick-to-itiveness neces-
sary for a successful career in Engi-
neering.

American Society of Civil Engineers;
Honors Option Program; Scholarship
to Seton Hall in the study of Science.



WILLIAM J. MULDER, JR.

80 Terrace Place
Brooklyn 18, N. Y.

Popularly known as just plain
Wild Bill.

Vice Chairman and Chairman, Metro-
politan Conference of Student Chap-
ters, A. S. C. E.; Class Council;
Honors Option Program, Sophomore;
Scholarship Camp Technology, M. I.
T.; Literary Staff, *Nucleus*.



HENRY NYCZ

Box 86
Towaco, N. J.

"The Towaco Indian" from up in
the hills soon became accustomed to
the ways of the "City Slickers."

American Society of Civil Engineers;
Attended M. I. T. Camp Technology.



FRED L. PAGEL

6 Alan Street
West Orange, N. J.

Fred is one of those fellows of the class who keeps plugging away to get things done.

American Society of Civil Engineers;
Visitor's Day Program.



EDWARD PARLIMAN

7 Garfield Avenue
Paterson 2, N. J.

Now that it's all over, all Ed wants to know is, "What happened?"

American Society of Civil Engineers;
Visitor's day Program



VINCENT A. PERILLO

395 Mt. Prospect Avenue
Newark 4, N. J.

Fate has deemed Vinnie a future president of the C. I. O. Watch out, Mr. Green.

American Society of Civil Engineers;
Visitor's Day Program.



H. ALFRED PONTIER

29 East Place
Lodi, N. J.

Modest Al has never ceased to amaze us with his vast fund of industrial experience.

American Society of Civil Engineers;
Honors Option.



WALTER E. PONTIER

258 Mt. Prospect Avenue
Clifton, N. J.

Walt, unruffled and unassuming, consistently excels in practically every subject with little effort.

American Society of Civil Engineers;
Honors Option.



NORMAN C. POSSIEL

58 Garrison Street
Newark 5, N. J.

Norm is a quiet, conservative chap who is destined to be a great engineer. His generosity, loyalty, and his friendliness make him one of the most likeable fellows we know.

A. S. C. E.; Junior Honors Option.



HERMAN J. RICH

65 North 11th Street
Newark, N. J.

Herman is always dreaming of Margie.

Art Editor, *Nucleus*; A. S. C. E.; Representative, Class Council — Senior; Representative, Student Council; Chess Club.



LOUIS G. RIGASSIO

1004 79th Street
North Bergen, N. J.

The boys really gave Lou a "Hard Time" about their pictures.

Photo Editor, *Nucleus*; American Society of Civil Engineers.



NICHOLAS M. SETTEDUCATO

141 North 15th Street
Bloomfield, N. J.

Nick's favorite pastime is playing baseball and basketball.

Sports Editor, *Nucleus*; A. S. C. E.; Basketball; Delta Sigma Zeta.



AUGUSTINE D. STASI

31 Freeman Avenue
East Orange, N. J.

"What do you mean, it isn't funny?"

Vice President, Junior Class Council; American Society of Civil Engineers; Staff Writer, *Surveyor*; Photography and Literary Committees, *Nucleus*; Dance Committee, Junior Prom; Visitor's Day Program.



AUGUST F. STRUENING

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Augie enjoys Music Class, for then he can catch up on his sleep.

American Society of Civil Engineers.



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207 Ryan Street
Hillside, N. J.

Here is the guy who writes some of the corny jokes read in the *Surveyor*.

A. S. C. E.; *Surveyor* Staff; Circulation Staff, *Nucleus*; Senior Dance Committee.



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10 Condict Street
Jersey City, N. J.

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"Big" John is quite the basketball player for the Senior Civil Quartet.

American Society of Civil Engineers.

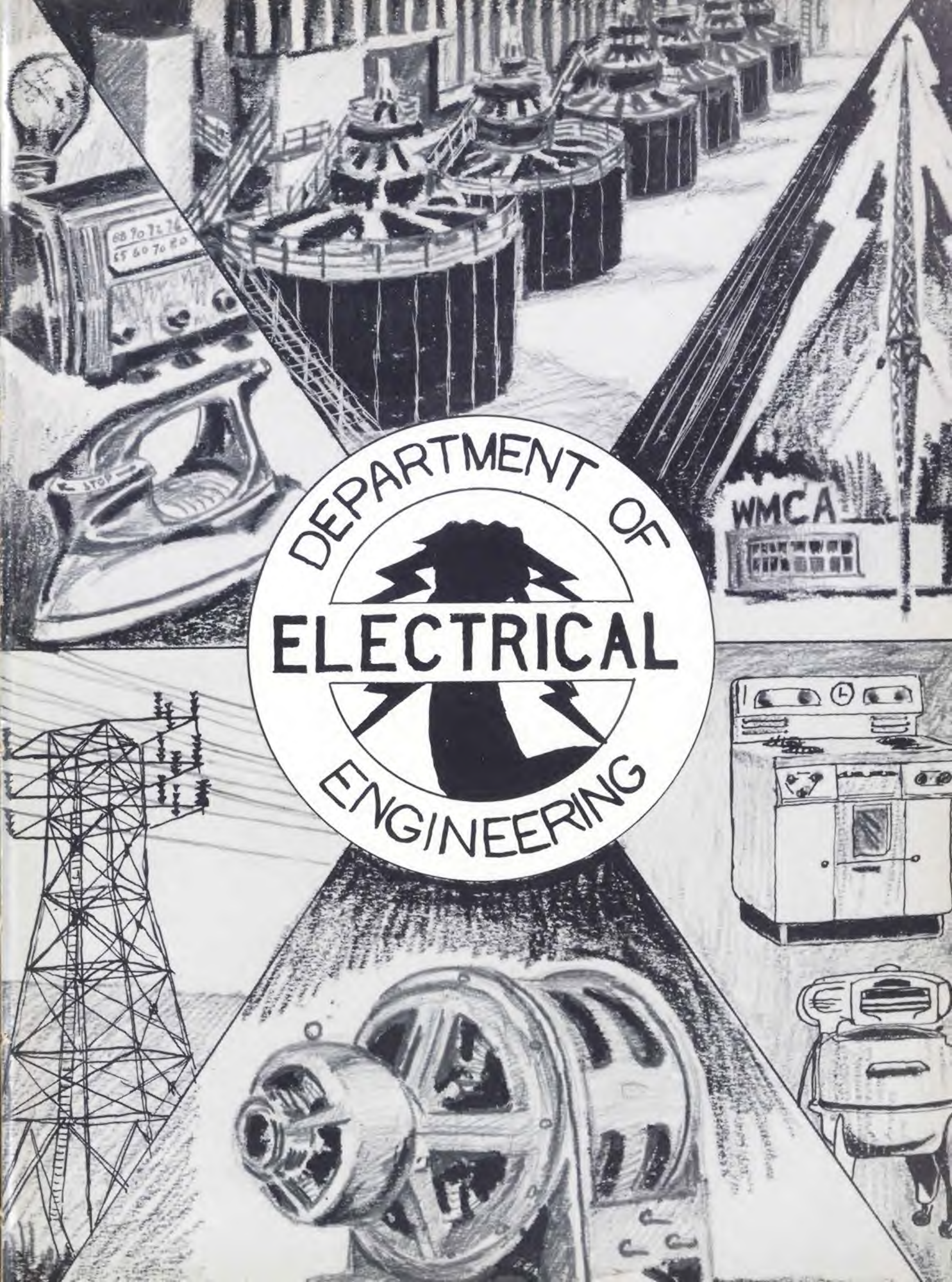


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gineers; Chess Club; Safety Com-
mittee, Visitors Day.



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9 Fairmount Terrace
Jersey City, N. J.

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American Institute of Electrical Engineers and Institute of Radio Engineers; Radio Club.



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Ernie's "pride" should be enshrined, for it has scaled Pulaski Skyway daily.

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16 Edisonia Terrace
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Vince's height makes him as handy in the labs as he is on a basketball court.

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An old Ford car is Jerry's pride and the school's joy.

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neers and Institute of Radio Engineers;
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Irv's mathematical genius has been
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satisfaction of his associates.

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neers and Institute of Radio Engi-
neers; Chess Team.



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Column in *Technician*; Alpha Sigma
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"Time ripens all things."



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291 Fair Street
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Hackensack, N. J.

"Say fellows, did you see what my son did yesterday?"

American Institute of Electrical Engineers and Institute of Radio Engineers.



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139 Sydamore Avenue
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Alex has shown pluck and spunk all the way from Livingston to Newark.

American Institute of Electrical Engineers; Junior Honors Option.



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234 Lexington Avenue
Passaic, N. J.

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133 West End Avenue
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If he's not paying social visits, he is in the midst of a classroom discussion.

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2 Elm Street
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163 Huntington Terrace
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Class Council; Secretary, American Institute of Electrical Engineers; Fencing.



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"Howie's" friendly smile and pleasant nature blend well everywhere.

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Paterson, N. J.

"A bit of sound sense is what makes men."



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Irvington, N. J.

Manhood is melted into courtesies,
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This unburied fellow has never passed so quickly that he missed the pleasures along the way.



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Dick enjoys himself immensely in the courses where the instructors write upside down.

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87 Hillcrest Terrace
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He seems indeed a man of destiny.
Class Council; American Institute of
Electrical Engineers; Associate, Insti-
tute of Radio Engineers.

"Camera Shy"

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288 4th Avenue
East Orange, N. J.

"And all your fortune lies beneath
your hat."

DAVID CAROL

239 Lincoln Avenue
Clifton, N. J.

We hope Dave continues to make
grades.

Vice President, Sophomore Class
Council; A. I. E. E.

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36 Jefferson Avenue
Hasbrouck Heights, N. J.

"Difficulty is a severe instructor."

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5 North Grove Street
East Orange, N. J.

"A wise man will make more op-
portunity than he finds."

Pi Kappa Phi.

ROBERT J. JARMICK

225 North Maple Avenue
East Orange, N. J.

He may not say much, but what
Bob says is worth listening to.

American Institute of Electrical En-
gineers and Institute of Radio Engi-
neers; Chess Club.

JOSEPH H. LUX

146 East 3rd Street
Clifton, N. J.

Joe has spent more time on the 112
bus than most students spend in class.

HERBERT W. THODE

178 Monroe Avenue
Leonia, N. J.

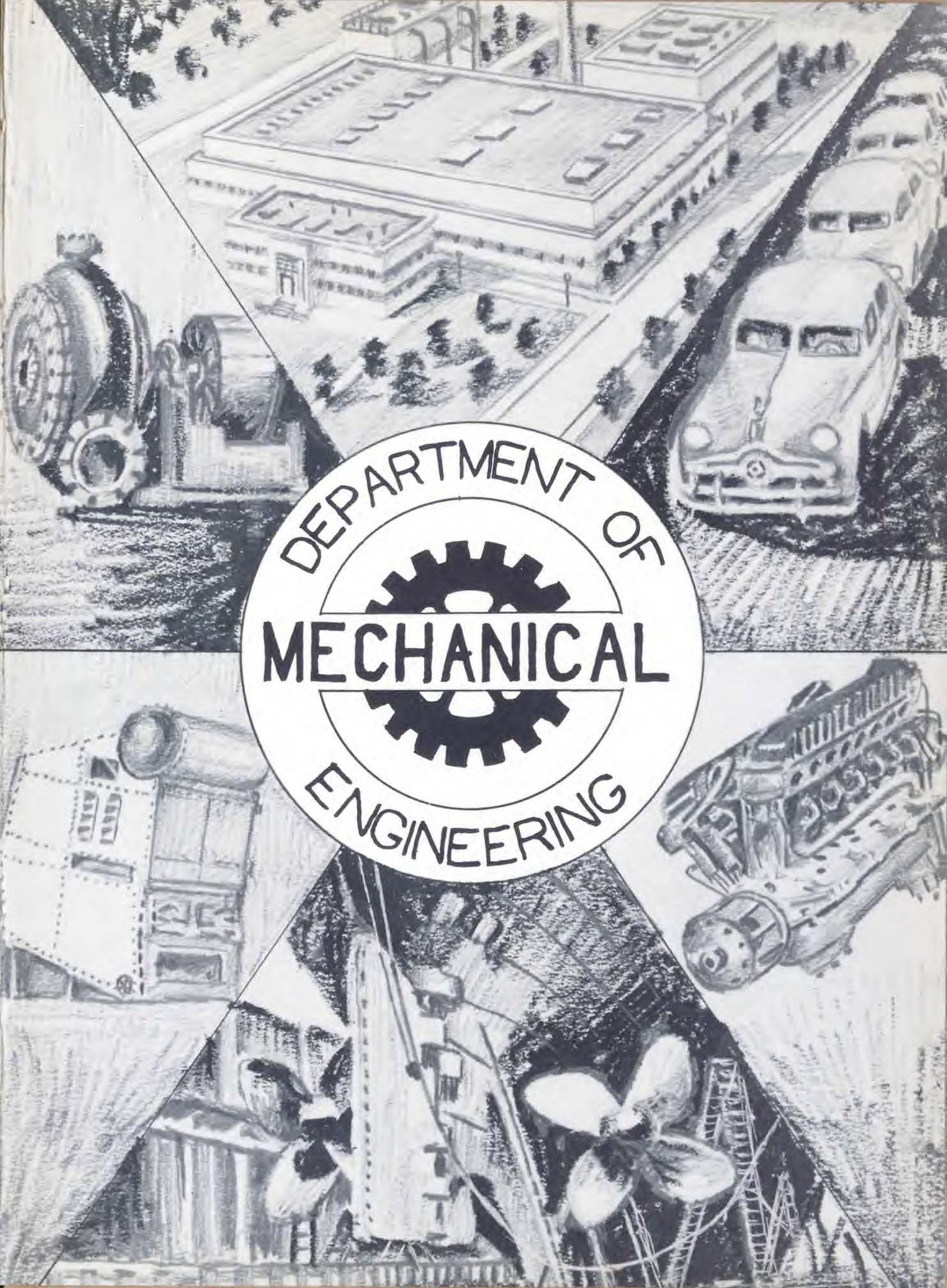
KENNETH SCHERZER

29 Beach Street
Jersey City, N. J.

"I'ma no gonna say!" and he means
it.

American Institute of Electrical En-
gineers and Institute of Radio Engi-
neers; Junior and Senior Honors
Option.





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ENGINEERING

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American Society of Mechanical Engineers.



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244 40th Street
Irvington, N. J.

Charles can still be heard saying, "Correct."

Class Council; A. S. M. E. and S. A. M.; Dance Committee, Senior Prom.



EMIL P. BERTRAM

14 Davis Avenue
East Orange, N. J.

Never idle a minute, but mild and thoughtful of others.

American Society of Mechanical Engineers.



RICHARD I. BETTS

57 Willow Street
Bloomfield, N. J.

"My own thoughts are my companion."



HENRY V. BETZ

91½ Clerk Street
Jersey City, N. J.

Henry shows a selfless devotion to humor.

American Society of Mechanical Engineers and Institute of Radio Engineers.



CORNELIUS W. BOSLAND

322 North 8th Street
Paterson, N. J.

"Don't tread on me."

Class Council; American Society of Mechanical Engineers; and Society for the Advancement of Management.



GERALD BRODSKY

520 Boulevard
Kenilworth, N. J.

Hearty and warm, Jerry competently makes friends and builds organizations.

President, Tau Delta Phi; Junior Class Council; A. S. M. E., S. A. M.; Tau Beta Pi; Interfraternity Council; Junior Honors Option.



FRANK T. BRONNER

172 Huber Street
Secaucus, N. J.

They cometh unto the halls of learning by all manner of transport. Class Council; American Society of Mechanical Engineers; Tau Beta Pi; Guide, Visitors Day; Junior and Senior Honors Option.



J. ROBERT BROWN

35 Stephen Street
Montclair, N. J.

His effervescence will bring success to himself and happiness to others.

Class Council; American Society of Mechanical Engineers; Visitors Day.



DONALD F. BYRON

13 Howard Place
Belleville, N. J.

Don is an artist-engineer with a flare for harmony.

Class Council; American Society of Mechanical Engineers; Art Staff, *Nucleus*.



RICHARD C. CAMPBELL

300 Carteret Place
Orange, N. J.

Carefree Dick is completely able to cope with any of life's problems. American Society of Mechanical Engineers and Society for the Advancement of Management.



LEONARD CASTELBAUM

414 Leslie Street
Newark, N. J.

Wherever Len's wanderlust may carry him, he will be among friends.

President, Phi Beta Tau; American Society of Mechanical Engineers and Society for the Advancement of Management; Interfraternity Council.



SAMUEL M. CHIMOFF

48 Hawthorne Avenue
East Orange, N. J.

Dignified and discreet, Sam makes an imposing appearance.



WALTER W. CLAFFEY

82 North Arlington Avenue
East Orange, N. J.

Walt feels that industriousness is
the soul of business.

American Society of Mechanical En-
gineers.



ROBERT S. COLEMAN

42 Cummings Street
Irvington, N. J.

Bob's heart of gold is surrounded
by a glitter of garrulity.

American Society of Mechanical En-
gineers; Alph Sigma Phi.



JAMES E. COLLOPY

542 Lillian Terrace
Union, N. J.

Reserved, yes—but his bright smile
is captivating.

American Society of Mechanical En-
gineers.



RAYMOND B. CRAIG

246 Littleton Road
Morris Plains, N. J.

The strong silent type.

American Society of Mechanical En-
gineers; Society for the Advancement
of Management; Honors Option.



ARTHUR H. DECKER

131 Parmelee Avenue
Hawthorne, N. J.

Handsome Art is Sigma Pi's athlete.

American Society of Mechanical En-
gineers; Sigma Pi; Boxing Club.



RAYMOND L. DEHMER

31 South Boyden Parkway
Maplewood, N. J.

Ray is noted for his quiet stability.

American Society of Mechanical En-
gineers.



HUGH H. DINSMORE

130 Chrystal Street
Dover, N. J.

Hugh is no square at a square dance.

American Society of Mechanical Engineers; Society for the Advancement of Management.



VITO DiPALO

167 Maple Avenue
Irvington, N. J.

With compelling executive charm, Vito is gay even at an 8:00 A. M. class.

President, Society for the Advancement of Management and Professional Societies Council; Nu Chi Epsilon; American Society of Mechanical Engineers; Honors Option.



JOHN M. DURSTEWITZ

64 Vreeland Avenue
Nutley, N. J.

Dusty, our photogenic photographer, has the poise of a model.

American Society of Mechanical Engineers; Photography Club.



JOHN J. FAGAN

11 Bermingham Lane
Wharton, N. J.

Above all else, a gentleman.

American Society of Mechanical Engineers and Society for the Advancement of Management.



FREDERICK L. FARLEY

245 William Street
Orange, N. J.

His unlimited abilities forecast unbounded success.

President, Tau Beta Pi; President, A. S. M. E.; S. A. M.; Professional Societies Council, Social Affairs Council; Nu Chi Epsilon; Chairman, Student-Faculty Smoker—1948; Honors Option Display, Visitors Day; Junior and Senior Honors Option.



JAMES E. FERRARA

484 Nye Avenue
Irvington, N. J.

Jim's bright smile haunts us still.

American Society of Mechanical Engineers and Society for the Advancement of Management.



JOHN FISHER

410 East 31st Street
Paterson, N. J.

Blushing John proves the adage:
"A friend in need is a friend indeed."

American Society of Mechanical Engineers; Demonstration, Visitors Day.



JOHN W. FLANNERY

248 Grant Avenue
Jersey City, N. J.

"Science when well digested is nothing but good sense and reason."

American Society of Mechanical Engineers and Society for the Advancement of Management; Sophomore Class Council.



FREDERICK FRANKEL

455 Beach 37th Street
Far Rockaway, N. Y.

Fred's greatest despair is that there are only twenty-four hours in a day.

A. S. M. E.; Tau Beta Pi; Phi Beta Tau; Contributor, Handbook; Chess Club; Junior Honors Option.



EDMUND C. GARRABRANT

83 Lafayette Street
Paterson, N. J.

A willing worker, Ed is welcome anywhere.



WILLIAM C. GAUTHIER

163 Carteret Street
Glen Ridge, N. J.

A ready hello to all is only one of Bill's admirable traits.



CHARLES S. GRAHAM

274 Parker Street
Newark, N. J.

"All things are won by diligence."
American Society of Mechanical Engineers.



WALTER L. GREENE

380 East 31st Street
Paterson, N. J.

Wally, the jovial fly-boy.

American Society of Mechanical Engineers.



JULES A. GRUBER

463 Oak Street
Passaic, N. J.

His secret of success—99% inspiration, 1% perspiration.

Vice President, Tau Beta Pi; Literary Editor, *Nucleus*; Editor, Handbook; A. S. M. E.; Nu Chi Epsilon; Chairman, Student-Faculty Smoker—1949; Student Council; Student Services Committee; Class Council; Tau Beta Pi Essay Award; Junior Honors Option.



ARAM C. HAMILIAN

66 Valley Road
Montclair, N. J.

Forty hours of employment per week notwithstanding, Aram still came through day-school with a ready smile and an enviable record.

A. S. M. E.; Tau Beta Pi; Junior and Senior Honors Option.



HARRY E. HAMMELL

8 Millington Avenue
Newark, N. J.

Humorous, helpful, happy.

American Society of Mechanical Engineers; Senior Class Council; Layout Staff, *Nucleus*.



ZIGMOND HARKIEWICZ

221 Garside Street
Newark, N. J.

To what heights does his wandering mind aspire?

American Society of Mechanical Engineers.



HENRY J. HART

30 Cleveland Street
Englewood, N. J.

To know Henry is to catch a glimpse of Euler, Lincoln, and Voltaire.

Secretary, Junior and Senior Class Councils; Literary Staff, *Nucleus*; A. S. M. E.; Tau Beta Pi; Student Services Committee; Tau Beta Pi Essay Award; Junior and Seniors Option.



HENRY W. HARTMANN

144 Highway 17
Rutherford, N. J.

Neither sleet nor rain nor snow
nor dark of night will keep Henry
and his motorcycle from school.

American Society of Mechanical
Engineers; Alpha Sigma Phi; Junior
Honors Option.



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25 Erwin Place
West Orange, N. J.

"The essence of humor is sensibility."

Manager, Basketball Team; A. S. M. E.
and S. A. M.; Class Council; Feature
Staff, *Nucleus*.



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450 Stuyvesant Avenue
Irvington, N. J.

Employed as an engineer, Walter
Kidde and Company.

Class and Student Councils.



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138 Claremont Avenue
Jersey City, N. J.

The sleepy mariner.

American Society of Mechanical
Engineers.



JOHN W. HIGLEY

49 High Street
Glen Ridge, N. J.

Quiet and unassuming, with a deep
regard for his fellows.

American Society of Mechanical
Engineers and Society for the Ad-
vancement of Management.



WILLIAM F. HOLLERBACH

712 Livingston Street
Elizabeth, N. J.

"Without a holler."

American Society of Mechanical En-
gineers.



GEORGE N. HOLZAPFEL

351 Morris Avenue
Elizabeth, N. J.

George exhibits a fine balance of hard work and ability.

American Society of Mechanical Engineers; Senior Class Council.



CHARLES H. HOUGHTALING

407 Valley Street
Maplewood, N. J.

Chuck is completely wrapped up in machines—pinball and shooting.

American Society of Mechanical Engineers.



JOSEPH F. HUBERT

55 Hancock Avenue
Jersey City, N. J.

Joe has come to see the light of day in his senior year.

American Society of Mechanical Engineers.



LE ROY H. HUBERT

Veterans' Housing
Belleville, New Jersey

"What I don't understand is . . ." American Society of Mechanical Engineers and Society of the Advancement of Management; Senior Honors Option.



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485 Hawthorne Avenue
Newark, N. J.

His contributions to the cultural life of the college will be remembered.

Music Editor, *Technician*; Secretary, A. S. M. E.; Tau Beta Pi; Junior and Seniors Honors Option.



JOSEPH T. KELLY

6-0 Garden Terrace
North Arlington, N. J.

Grow old along with me, the best is yet to be.

American Society of Mechanical Engineers; Junior and Senior Honors Option.



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22 Clark Place
Elizabeth, N. J.

A singular combination of artist and scientist; a religious devotion to truth and logic.

Historian, Yacht Club; A. S. M. E.; Tau Beta Pi; Literary Staff, *Nucleus*; Fencing Club; Junior and Senior Honors Option.



JOHN KOHKE

420 Stuyvesant Avenue
Irvington, N. J.

A good worker with ever growing capabilities.

Secretary, S. A. M.; Junior Class Council; A. S. M. E.; Senior Ring and Dance Committees; Lecturer, Visitors Day.



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Box 106, Mountain Avenue
Pompton Plains, N. J.

You need only awaken "Snoozer" to become aware of his friendly and helpful personality.

American Society of Mechanical Engineers; Sophomore and Junior Class Councils.



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53-23 62nd Street
Maspeth, N. Y.

Kriff took time off during Christmas vacation to have a baby. The cigars were fine.

American Society of Mechanical Engineers; Junior Honors Option.



HARVEY LEVY

120 Bremond Street
Belleville, N. J.

His background portends a successful career in production.

Secretary, Tau Epsilon Phi; American Society of Mechanical Engineers; Fencing Club; Junior Honors Option.



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827 South 18th Street
Newark, N. J.

Bill's jovial philosophy has not affected his keen perception of scientific detail.

Vice-President, American Society of Mechanical Engineers.



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7 Underwood Street
Newark, N. J.

Stable, intelligent, quiet—and with a sense of humor.

American Society of Mechanical Engineers; Tau Beta Pi; Senior Honors Option.



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754 Pennsylvania Avenue
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Steady, persevering, conscientious.
American Society of Mechanical Engineers.



THOMAS P. LONG, JR.

325 East 28th Street
Paterson, N. J.

Tom is a paragon of intellectual and moral integrity.

American Society of Mechanical Engineers.



WARREN E. LONGFIELD

13 Berkeley Place
Livingston, N. J.

The power of thought—the magic of the mind.

American Society of Mechanical Engineers.



STANLEY E. MAZUR

557 Grove Street
Irvington, N. J.

Stan's quiet, steady application to his work promises worthy results.

American Society of Mechanical Engineers.



GEORGE R. McCLURE

729 Irving Street
Secaucus, N. J.

"Learn to make the most of life."

American Society of Mechanical Engineers.



JAMES R. McCORMICK

6 Claremont Place
Bloomfield, N. J.

"Let's get squared away."

American Society of Mechanical Engineers and Society for the Advancement of Management.



JOSEPH R. MESSINEO

131 Bloomfield Avenue
Paterson, N. J.

Lively, spritely Joe, quick to see the humor in a despairing situation.

American Society of Mechanical Engineers.



LOUIS H. MEYER

220 Jay Avenue
Lyndhurst, N. J.

"Where there's music there can't be mischief."

American Society of Mechanical Engineers and Society for the Advancement of Management; Senior Class Council; Glee Club.



CARL J. MICHELS, JR.

24 Cornell Street
Irvington, N. J.

One will never catch Carl un-awares.

Vice President, Freshman Class Council; Freshman Student Council; Representative, A. S. M. E.; Alpha Sigma Phi; Track.



HERMAN W. MIELISH

646 Elm Street
Arlington, N. J.

Herman shows the result of hard work and conscientiousness.

American Society of Mechanical Engineers.



FRANK M. MONEZ

215 Vermont Avenue
Irvington, N. J.

A familiar sight—holstered slide-rule and bowed head.

American Society of Mechanical Engineers and Society for the Advancement of Management; Junior and Senior Class Councils; Senior Ring and Dance Committees.



RAYMOND K. MORTENSEN

18 Ricord Street
Newark, N. J.

Ray is already an enterprising business man.

Vice President, Sigma Pi; Interfraternity Council; American Society of Mechanical Engineers.



PETER R. MULLER, JR.

100 Parkview Drive
Bloomfield, N. J.

Pete pursues bridge with unrequiting fervor.

American Society of Mechanical Engineers.



ROBERT J. MURPHY

154 Lockwood Drive
Clifton, N. J.

An amphibious engineer is Murph. American Society of Mechanical Engineers.



WILLIAM W. MUTTER

13-09 Ferry Heights
Fairlawn, N. J.

Bill is the chief technical consultant of Sigma Pi.

Treasurer, Sigma Pi; American Society of Mechanical Engineers.



FRANK NAVRATIL

Mountain Avenue
Pompton Plains, N. J.

Frank is the boy that knows all the angles.

President and Vice President, Sigma Pi; President, Sophomore and Junior Class Councils; Chairman, Orchid Ball and Junior Prom; Advertising Manager, *Nucleus*; A. S. M. E.; Student, Social Affairs, and Interfraternity Councils; Junior Honors Option; Athletic Association.



JAMES R. NILE

5 Porter Road
Maplewood, N. J.

Jim is a good sailor and a swell guy to know.

Treasurer, Vice Commodore, and Commodore, Yacht Club; Herald, Sigma Pi; Secretary, Social Affairs Council; A. S. M. E.; Interfraternity Council; Ping Pong Club.



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21 Beech Street
North Arlington, N. J.

Our solid citizen, Ed's sturdy, thoughtful mind and complete dependability make him the success that he is.

Vice President, Senior Class Council; Secretary, Tau Beta Pi; Chairman, Program Committee, Visitors Day; News Editor, *Technician*; Layout Staff, *Nucleus*; A. S. M. E. and S. A. M.; Nu Chi Epsilon; Social Affairs Council; Fencing and Glee Clubs; Junior and Senior Honors Option.



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121 Reynolds Place
South Orange, N. J.

A quiet exterior disguising an active, thoughtful mind.

American Society of Mechanical Engineers and Society for the Advancement of Management.



CONRAD NORDFORS, JR.

20 Park Avenue
North Arlington, N. J.

One of a noble pair of brothers.

American Society of Mechanical Engineers; Interfraternity Council; Sigma Pi; Glee Club.



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987 Richard Court
Teaneck, N. J.

A distinguished appearance, a friendly mien.

American Society of Mechanical Engineers.



HENRY A. ORBAN

81 Alexander Avenue
Upper Montclair, N. J.

Henry's ability and personality definitely make him "Top Flight."



BERNARD J. OWENS

99 Montclair Avenue
Newark, N. J.

A quiet tongue showeth a wise head.

American Society of Mechanical Engineers.



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23 Ridge Road
Great Notch, N. J.

Unswerving, undaunted, unhurried.
American Society of Mechanical
Engineers; Junior Class Council.



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560 Cumberland Avenue
Teaneck, N. J.

Just "Plaine" Bill.
American Society of Mechanical En-
gineers; Yacht Club.



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561 Prospect Street
Nutley 10, N. J.

Dick's smiles are as inspired as his
sober thoughts.

President and Secretary-Treasurer, In-
terfraternity Council; Vice President,
Sigma Pi; Secretary, Sophomore Class
Council; Representative, A. S. M. E.;
Honors Option, Junior and Senior
years.



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90 Myrtle Avenue
North Plainfield, N. J.

Handsome Eddy, the third Tau
Beta in his family, is a passionate
bridge player.

American Society of Mechanical En-
gineers; Tau Beta Pi; Senior Smoker
Committee; Senior Honors Option.



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344 Walton Avenue
South Orange, N. J.

Jim's obvious spirit of independ-
ence stems from his acute sense of
reality.

Senior Honors Option.



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49 Mount Pleasant Avenue
West Orange, N. J.

Walt is easily recognized by his
perpetual sincere smile.

American Society of Mechanical En-
gineers.



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18 Oakland Avenue
Jersey City, N. J.

"That's all right for YOU guys,
but . . ."

Demonstrator, Visitors Day.



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131 Hedden Terrace
Newark, N. J.

Nothing great is accomplished
without enthusiasm.

President, Alpha Sigma Phi; Vice
President, Freshman and Sopho-
more Class Councils; Junior and
Senior Class Councils; A. S. M. E.
and S. A. M.; Senior Prom Commit-
tee; Interfraternity Council; Junior
and Senior Honors Option.



ANGELO SANTANDREA

70 Grove Street
Bloomfield, N. J.

"The best of me is diligence."



FRED SANTUCCI

87 McWhorter
Newark, N. J.

"A man of real worth needs no
herald."

American Society of Mechanical En-
gineers.



JACK J. SCAVUZZO

384 Monroe Street
Passaic, N. J.

When you need someone to talk to,
Jack will listen and understand.

American Society of Mechanical En-
gineers.



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1618 Porter Road
Union, N. J.

A business man with a business
mind, Paul possesses a remarkable
capacity to get things done.

Commodore, Vice Commodore, and
Treasurer, Yacht Club; Representa-
tive, A. S. M. E.; S. A. M.; Glee Club;
Honors Option in freshman, sopho-
more, and junior years.



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50 18th Avenue
Paterson, N. J.

Fred has a sly sense of humor.
Vice President, Alpha Kappa Pi.



RAYMOND H. SCHMITT

66 19th Avenue
Newark, N. J.

"Small service is true service."

American Society of Mechanical Engineers and Society for the Advancement of Management; Alpha Sigma Phi.



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12-B-1 Pacific Drive
Winfield Township
Linden, N. J.

Genius is essentially creative; it bears the character of the individual who possesses it.

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235 Mount Prospect Ave.
Newark, N. J.

"He that questions nothing learns nothing."

American Society of Mechanical Engineers; Senior Honors Option.



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4 Peter Cooper Road
New York City, New York

None but himself can be his parallel.

American Society of Mechanical Engineers and Society for the Advancement of Management.



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272 New Jersey Avenue
Union, N. J.

He owns a vast, substantial smile.
American Society of Mechanical Engineers; Junior Honors Option.



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2 Keer Avenue
Newark, N. J.

What care I what lies ahead.

President, Interfraternity Council;
Treasurer and Vice President, S.A.M.;
Treasurer and Vice President, Phi
Beta Tau; Professional Departments
Editor, *Nucleus*; A. S. M. E.; Student
and Social Affairs Councils.



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617 Harrison Avenue
Harrison, N. J.

"Keep cool and you command
everybody."

A. S. M. E. and S. A. M.; Junior
Class Council; Junior Prom Com-
mittee.



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145 Dekavan Avenue
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Ted has an air of sobriety and is
a pillar of dependability.

A. S. M. E. and S. A. M.; Feature
Staff, *Nucleus*.



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Soft-spoken Vahn is a gentleman
among gentlemen.

American Society of Mechanical En-
gineers; Junior Honors Option.



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312 New Street
Plainfield, N. J.

Always with a quiet smile and a
friendly word.

American Society of Mechanical En-
gineers and Society for the Advance-
ment of Management; Alpha Sigma
Phi.



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78 Lexington Avenue
Maplewood, N. J.

Speck's aptitude for oral expres-
sion should be given the opportunity
of further development.

American Society of Mechanical En-
gineers.



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321 Van Buren Avenue
Teaneck, N. J.

Don's painstaking approach to engineering should lead him to a successful career.

Representative, Class Council; A. S. M. E.; Professional Department Committee, *Nucleus*; Junior Prom Committee.



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1466 St. Johns Place
Brooklyn, N. Y.

Mac is willing and able.

A. S. M. E.; Student Council Representative; Custodian, Tau Delta Phi.



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703 South 18th Street
Newark, N. J.

"A quiet man is richer than a crown."

A. S. M. E. and S. A. M.; Interfraternity Council; Treasurer, Secretary, Delta Sigma Zeta; Junior Honors Option.



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109 Hillside Avenue
Newark, N. J.

A thirst for knowledge, and a desire for truth.

Executive Board, S. A. M.; A. S. M. E. Representative; Tau Beta Pi; Visitors Day; Junior and Senior Honors Option.



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Kenvil Avenue
Kenvil, N. J.

Silence has its advantages.

American Society of Mechanical Engineers.



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604 Mount Prospect Avenue
Newark, N. J.

A conscientious worker who likes to get things done—his way.

American Society of Mechanical Engineers; Alpha Sigma Phi; Glee Club.



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1 Valley Place
Upper Montclair, N. J.

"In Wisdom's ranks he stands high."



PAUL H. ZIMMERMAN

101 Chestnut Avenue
Irvington, N. J.

Zimmy is at home in classroom and machine shop alike.



BERNARD ZURKOFF

47 Mount View Avenue
Newark, N. J.

During four years at school he has never been seen angry.

Representative, American Society of Mechanical Engineers.



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251 East Woodland Road
New Milford, N. J.

John laughs, sings, and even goes square dancing.



JOSEPH R. MARSICOVETE

107 Monroe Street
Hoboken, N. J.

From out of the shadows of Stevens to us.



GORDON C. SCHULTZE

212 Charlotte Terrace
Roselle, N. J.

Enlightenment at night.



JOSEPH F. SHINE

810 Devon Street
Arlington, N. J.

A light from out of the night.



ALBERT SPAAK

95 Lincoln Avenue
Little Falls, N. J.

Al finds great solace in "The house
by the side of the road."

American Society of Mechanical En-
gineers.



JOHN ZAKANYCZ

171 Van Winkle Avenue
Jersey City, N. J.

Watch for John's brother in a later
Nucleus.

"Camera Shy"

JOHN J. BARETT

75 Brighton Avenue
Kearny, N. J.

"Men love to wonder and that is
the seat of our science."

LOUIS H. BLENDERMANN

641 Lincoln Avenue
Orange, N. J.

At last! A brilliant mechanical en-
gineer who is proficient with things
mechanical.

A. S. M. E.; Tau Beta Pi; Guide,
Visitors' Day; Junior and Senior Hon-
ors Option.

PETER J. CARR

132 Rutherford Place
North Arlington, N. J.

From the open spaces of Arizona
to the clamor of our industrial city.

JOSEPH GASIOR

166 Sadler Road
Bloomfield, N. J.

Not in rewards, but in struggle to
strive, the blessing lies.

ARNOLD J. GOTTLIEB

173 Paine Avenue
Irvington, N. J.

His discerning ear, his able tongue
rival this engineer's keen analytical
ability.

American Society of Mechanical En-
gineers.

ARTHUR HANSEN

609 Willow Avenue
Garwood, N. J.

"The reward of one duty is the
power to fulfill another".

SPENCER HARRIS

Birchwood Trail, Fayson Lakes
Butler, N. J.

Skill and confidence are an un-
conquered army.

Tau Beta Pi.

EMIL T. HRYSHKANYCH

55 Shrewsbury Avenue
Red Bank, N. J.

The virtue lies in the struggle, not
the prize.

WILLIAM V. JOHNSON

5 Moore Terrace
West Orange, N. J.

"Civilities are never thrown away."

WILLIAM J. MARTIN

434 North Second Street
East Newark, N. J.

Perseverance—yes, Bill surely has
that quality.

VICTOR MORGEN

23 Franklin Avenue
West Caldwell, N. J.

"Giving calls for genius."

RICHARD G. SASSE

50 Laurel Drive
Packanack Lake, N. J.

Never a sassy word.

BERNARD H. SMITH

511 18th Avenue
Newark, N. J.

Bernie is an all-around good fellow
who frets unnecessarily over grades.
Historian and Custodian, Tau Delta
Phi; A. S. M. E. and S. A. M.; Junior
Honors Option.

FRANCIS J. STAVISH

151 Duer Street
North Plainfield, N. J.

"An ounce of mirth is worth a
pound of sorrows."

RICHARD W. STOBÆUS

77 Durand Road
Maplewood, N. J.

"Mirth prolongeth life and causeth
health."

ALFRED H. UHLMAN

17 Rowland Avenue
Clifton, N. J.

"Time and I are the two rightest
monarchs."

ARTHUR K. YOUNG

148 Chancellor Avenue
Newark, N. J.

Art's unquestioned supremacy at
bridge is paralleled by his brilliance
in mathematics.

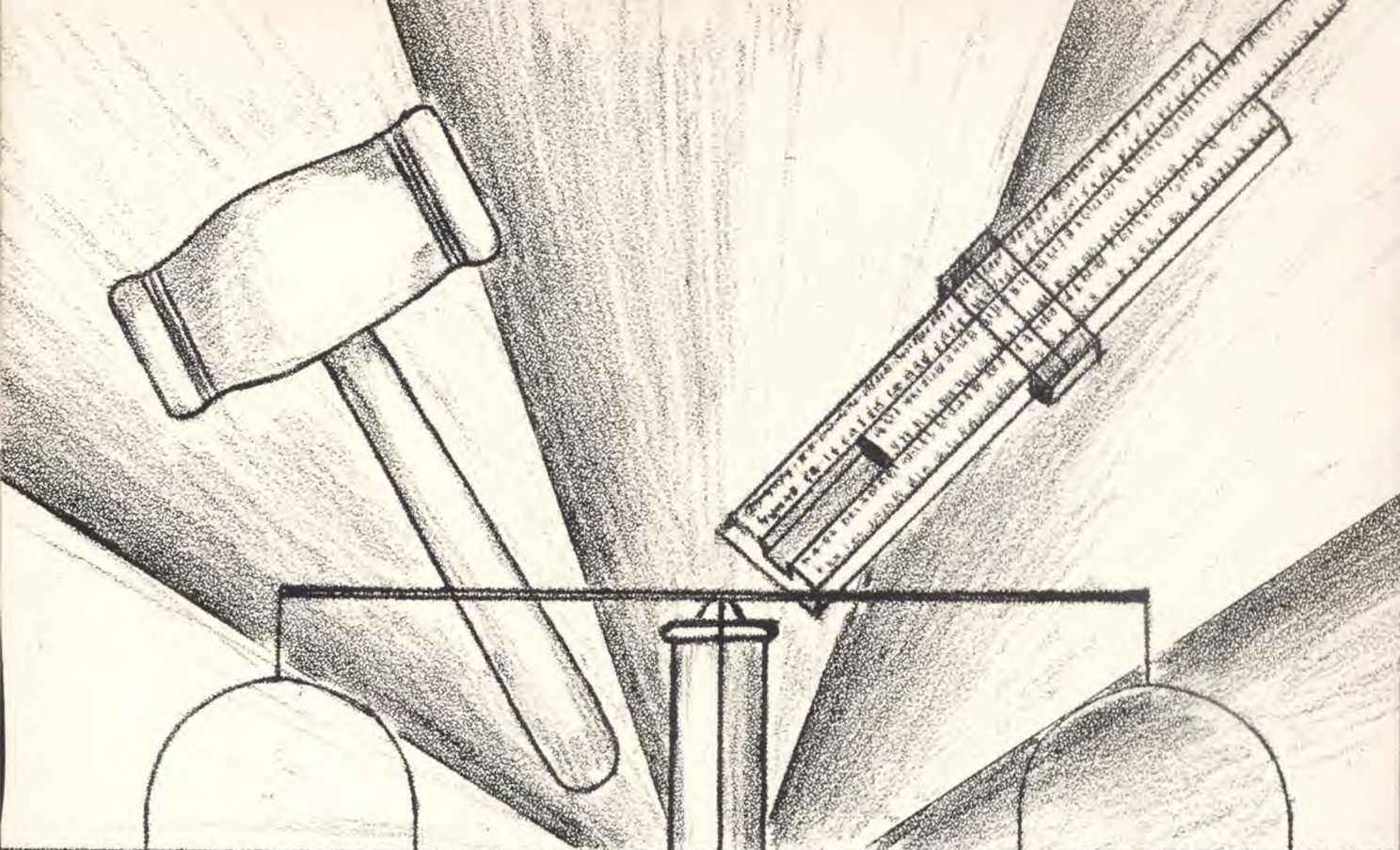
Secretary, Tau Beta Pi; A. S. M. E.;
Junior and Senior Honors Option;
Tau Beta Pi Essay Award.

GEORGE C. ZIMMERMAN

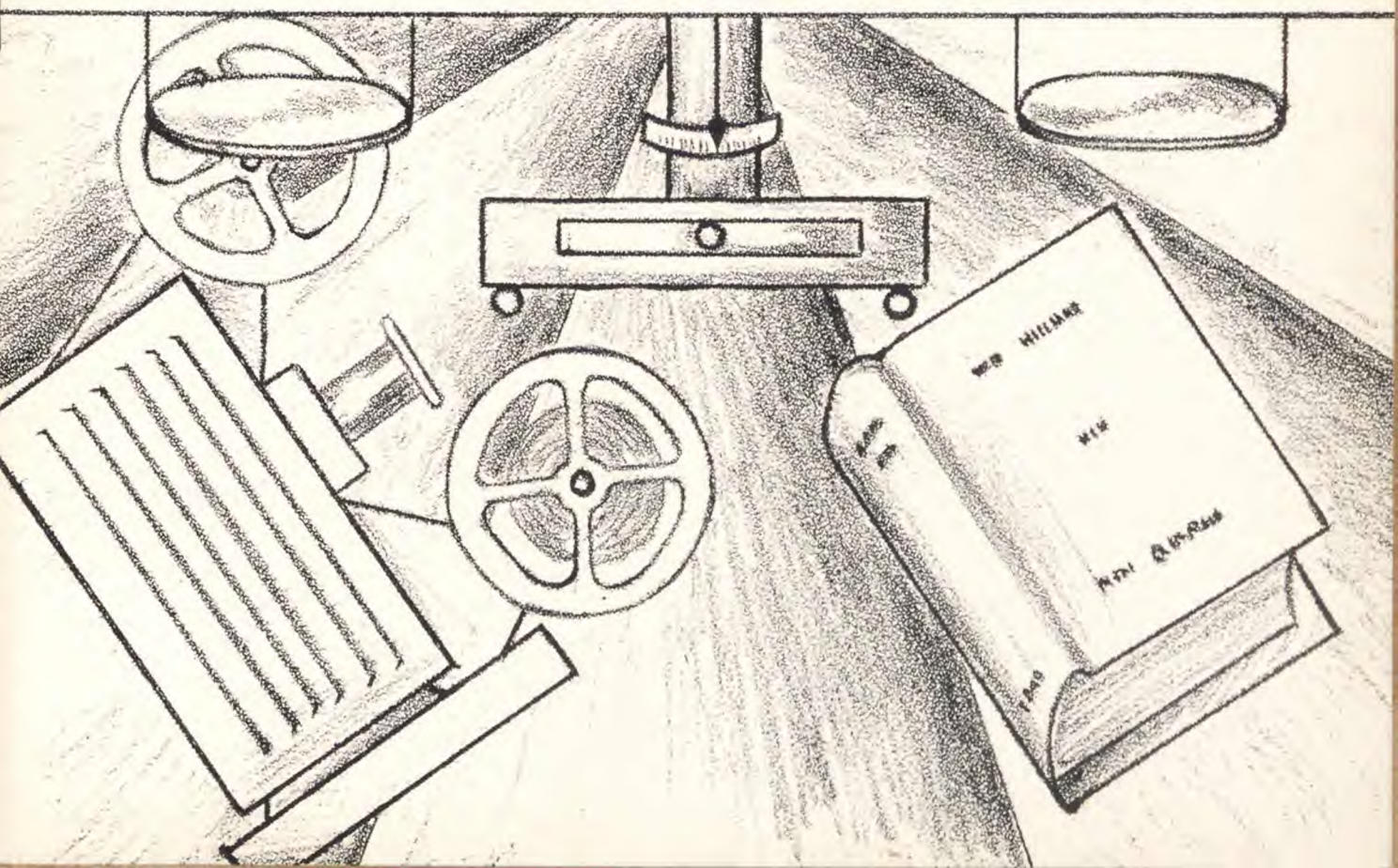
R. F. D. No. 1
Morris Plains, N. J.

"A generous action is his own re-
ward."





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Executive Associate



Professor Robert Widdop



Messrs: Victor J. Cantlupe, Michael D. D'Onofrio,
Rudolph J. Klem, Robert G. Salamon.

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PROFESSOR OLIVER J. SIZELOVE
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Executive Assistant

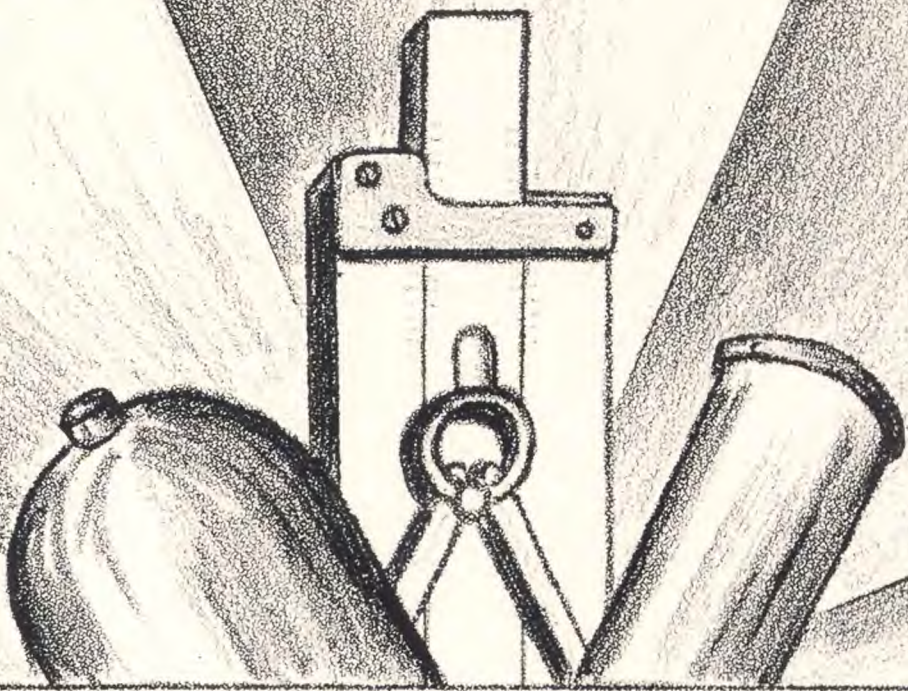
Messrs: Leonard Bassoff, Galen T. Goewey, Irving
R. Goldstein, Charles K. Ridge.





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Class Officers

- MERVIL J. SEELEY *President*
- NICHOLAS ALBANES *Vice President*
- LEONARD HOLLANDER *Treasurer*
- HENRIETTA WOLF *Secretary*
- MR. H. E. ESTRIN *Faculty Adviser*

Class History

BECAUSE of its unwieldiness due to size, the class of 1950 is organized on the council plan, whereby each section of the class each term elects two representatives to the class council. Formerly the class officers were chosen from the ranks of the council by vote of the council members. However, at the end of the Junior year election of the class officers was accomplished by vote of the entire class.

The class is now composed of about four hundred students and any member of the class may become a council representative and subsequently an officer of the class.

In keeping with its program of previous years, the class of 1950 began its social activities for 1948-49 with a Junior Class-Faculty Smoker on October 29, at which a good time was had by all. Next came the Junior Thanksgiving Informal at the Meadowbrook with

Alvino Rey. This marked the first time a "name" band had been made available for N. C. E. students as well as the first time N. C. E. had been given coast-to-coast publicity over the air-waves. In February, on the eve of Washington's birthday, the Junior Prom was held. Early in April, for the second consecutive year, a trip to New York with theater parties, free radio shows, movies, and selected dining places, was undertaken by the members of the class and their wives or sweethearts. Late in April a second smoker was held. Then in May to round out a full year the class staged a picnic outing for the fellows and their girls.

With an eye to the not so distant future, a Ring Committee headed by Joseph Pedrin, was formed early in the year, and a skeleton Yearbook Committee was formed to keep abreast of developments in the creation of the Class of 1949's Yearbook.

Class Officers

VINCENT PURCELL *President*
JOSEPH WALLER *Vice President*
DWAYNE McGAUGHEY *Recording Secretary*
HARRY BETHMANN *Corresponding Secretary*
HERMAN HEMPEL *Treasurer*
MR. EDWARD JOHNSON *Faculty Adviser*

Class History

AFTER the original furor of organization was over, the class of "51" began to demonstrate a very definite interest in school activities. With the help of Mr. Edward Johnson a baseball team was started which developed into a varsity sport the following year.

Mr. Johnson was elected class adviser at the beginning of the sophomore year. With his help more stress was placed on the class social functions and their success. Hence a dancing

class was initiated so that the participation would be more general. It also added another dance and a smoker to its yearly social calender.

Other activities initiated by members of the class of "51" are the gym team and the golf club which are in the process of organization. With the hope that these activities will be permanent additions to the school life this class hopes to take an increasingly active part in school affairs.



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Class Officers

- BERNARD C. KEACH *President*
 EDWARD A. REHLING *Vice President*
 JOHN EBER *Secretary*
 ROBERT HARDING *Treasurer*

Class History

THE Class of 1952 was organized early in October 1948, a few weeks after school opened, under the able guidance and assistance of Nu Chi Epsilon Society. Theodore Litwin was elected temporary chairman and George Mathews temporary Secretary. Under their supervision the formalities of a constitution and election of officers were conducted. The permanent officers were elected and in addition Kort Kuenzle represents the class on the Welfare Committee and Robert Bird on the visitors day committee.

Social events of the Freshman class consisted of a smoker in February and the Frosh Dance in April.

Members of the class participated actively in intramural basketball, bowling, ping-pong, swimming and baseball.



BRIDGE

SMOKER



ACTIVITIES

INTRAMURAL



OFFICERS

- ARNOLD KATZ *President*
- NORMAN DAMRON *Vice President*
- PAUL DOLID *Treasurer*
- ALBERT C. SMITH *Recording Secretary*
- MRS. RITA LUBETKIN . . . *Corresponding Secretary*



THE activities of the Student Council reached an unprecedented high this year. The response to the campaign to sell Student Council Cards was overwhelming, as the benefits offered were very profitable and beneficial to the students: free copies of the *TECHNICIAN*, lower prices to basketball games, discounts on Student Council sales and in many local stores, and tickets at a reduction to some of the best shows in the metropolitan area. The proceeds of the sale permitted the expansion of athletic activities and the publications.

Designed to acquaint the incoming stu-

dents with the facilities, activities, and practices at the college, a Freshman Handbook, was planned. Its issuance is expected in time to be distributed to the next freshman class.

A great change was made in the representation of the Student Council: the Evening Division of the college, organized by Nu Chi Epsilon, obtained voting power on the Council. It was felt that this representation would permit better coordination of student activities, both professional and social, and would allow night school students to benefit from life of N. C. E.

MONTHLY PUBLICATION OF THE
NEWARK COLLEGE OF ENGINEERING

THE *TECHNICIAN*, student publication of the Newark College of Engineering, has increased its staff this year to permit a better coverage of news, presentation of better feature material, and the realization of some radical ideas, as was seen in the Christmas issue. The most notable changes were a new-type flag and a more flexible format of the paper.

Throughout the year the *Technician* has championed many issues affecting the student body, such as wider facilities for the various activities and a period set aside for the many student programs. The publication was an important factor in the decision of the College to establish a school cafeteria.



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Henry Stroke

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Albert C. Smith

Business Managers

William Gerber
Thomas A. Baggot

Art Editor

Seymour Goldberg

Science Editor

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Music Editor

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TAU BETA PI

THE TAU BETA PI Association, national honor engineering society, recognizes men who have distinguished themselves in scholarship, character, integrity, breadth of interest, adaptability, and unselfish activity. Our chapter has done much to strengthen student-faculty relationships by sponsoring smokers for combined attendance and by expanding its faculty-rating program.

President, Fredrick L. Farley; Vice President, Jules A. Gruber; Corresponding Secretary, Edgar G. Nordfors; Recording Secretary, Arthur K. Young; Cataloguer and Assistant Treasurer, Austin W. Barry.



NU CHI EPSILON

NU CHI EPSILON was organized in the spring of 1948 to give recognition to those men who had attained a high standard of leadership in collegiate activities, to inspire others to strive for achievements along similar lines and to bring together members of the student body, faculty and alumni on a basis of mutual understanding. In line with its ideals of fostering characters, leadership and service in campus life NXE has undertaken such programs as organization of the freshman class and providing a Student Host Service for the College. It is the hope of Nu Chi Epsilon to become affiliated with Omicron Delta Kappa, a national honorary leadership society, this spring.

President, Don Summers; Vice President, William Barry; Treasurer, Gordon Kempton; Secretary, Professor William Jaffe.



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PROFESSIONAL SOCIETIES COUNCIL

VITO DiPALO *Chairman*
 CHARLES HARTMANN *Secretary*

THE purpose of the Professional Societies Council is the coordination of the activities of the professional societies of the College. The Council is composed of the presidents of the various societies and, therefore, has been able to effect a smooth and efficient running professional societies program this year. Guest speakers and the annual Professional Societies Smoker are the outstanding highlights of this Council.

AMERICAN CHEMICAL SOCIETY

THE ACS has sponsored trips to such leading industrial plants as the Standard Oil, Kopper's Koke, and Merck. Interesting talks on manganese, atomic energy, and other up-to-date topics have been presented to the society by prominent men in the chemical industry. Plans have been made for a joint meeting with ACS student chapters of the various colleges in the metropolitan area, to be sponsored by the society at NCE. It is hoped that through the interchange of ideas arising from this meeting the student chapter may do more to instill professional attitudes and scholarship among those students majoring in chemical engineering.

President, Charles J. Hartmann; Vice President, Robert J. Delack; Secretary, Joseph W. Walter; Treasurer, John Colonais; Publicity, Ernest R. Politz; Faculty Adviser, Professor John A. Bishop.

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AMERICAN INSTITUTE OF ELECTRICAL ENGINEERS

In line with its policy of increasing its members' scope of the electrical engineering field, regular meetings, to which guest speakers are invited, as well as outside field trips are arranged by the Branch. The AIEE members, accompanied by numerous guests, visited the Public Service Kearny Generating Station, one of the many planned trips to the establishments in this area, connected with the electrical field. Further interest is provoked by encouraging student members to be guest speakers at the meetings. In addition to its regular meetings, it is hoped that joint meetings with student professional organizations can be held.

President, Herbert S. Evander; Vice President, Millard Leff; Secretary, Warren Geller; Treasurer, Gilbert A. Linn; Faculty Adviser, Mr. Charles R. Moore.

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AMERICAN SOCIETY OF CIVIL ENGINEERS

THE student chapter of the ASCE holds one meeting a month at which guest speakers, who are leaders in their field, are invited to present interesting and informative talks. During the year several field trips and a picnic were held.

To further the interest in the parent society, chapter members attend the Annual Meeting of the American Society of Civil Engineers, which is held at the Hotel Commodore in New York City.

President, C. Ronald Bach; Vice President, Richard C. Bunten; Corresponding Secretary, Helmut F. Geiger; Recording Secretary, Mervil J. Seeley; Treasurer, Thomas A. Maguire; Chairman of Program Committee, Herbert Gieser, Faculty Adviser, Professor James M. Robbins.

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AMERICAN SOCIETY OF MECHANICAL ENGINEERS

MONTHLY meetings at the college are addressed by engineers who have vast industrial experience, and who usually present interesting, informative, films with their talks. The A. S. M. E. this year held the first dinner meeting to be given at N. C. E. in the new college cafeteria. The speaker at this meeting was Capt. Lott of the U. S. A. F., who spoke on the subject of "Jet" planes.

One of the outstanding field trips of the year was to the Bethlehem Steel Plant at Bethlehem, Pennsylvania. This took the greater part of a day during the Thanksgiving Holidays.

Chairman, Fred L. Farley; Vice Chairman-Treasurer, William L. Lieberman; Secretary, Heinz Jaffe; Corresponding Secretary, George R. McClure; Faculty Adviser, Professor J. L. Polaner.

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INSTITUTE OF RADIO ENGINEERS

THE Newark College of Engineering Student Branch of the Institute of Radio Engineers was formed during the spring semester of 1948. This organization was instituted by Raymond Gegenheimer of the Class of 1949 with the assistance and guidance of Professor Solomon Fishman and the Department of Electrical Engineering.

Student members are encouraged to prepare and present papers on some phase of communications or related fields. A program committee of the Branch arranges for the presentation of these papers and invites speakers, who are renown in their fields, to address the group. Visits to manufacturing, sales and broadcasting companies are arranged by this committee.

Chairman, Raymond F. Gegenheimer; Vice Chairman, Richard T. Petruzzelli; Secretary, Bert Schwarzschild; Treasurer, Daniel C. Spitz; Faculty Adviser, Professor Solomon Fishman.



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SOCIETY FOR THE ADVANCEMENT OF MANAGEMENT

ONE of the original SAM student chapters was formed at NCE; it was greatly honored by being instigated by Dr. Lillian M. Gilbreth and Prof. J. Ansel Brooks in 1936. The chapter was reactivated in 1946, after W. W. II under the guidance of Professor W. J. Jaffe.

This year SAM has coupled increased activity with increased membership. During the Christmas Recess members and guests visited the Westinghouse Steam Division in Philadelphia where they observed the manufacture of steam turbines and the testing of an experimental gas turbine. At a dinner meeting in the college cafeteria SAM members and guests were honored with a talk on Work Simplification by Mr. Clifton H. Cox, President of NNJ-SAM Chapter.

President, Vito DiPalo; Vice President, Arnold Singer; Secretary, John Kohke; Treasurer, Leonard Castelbaum; Faculty Adviser, W. J. Jaffe; NNJ-SAM Chapter Coordinator, O. J. Sizelove.

ASSOCIATION OF CHEMICAL ENGINEERING STUDENTS

THE Association of the Chemical Engineering Students was instigated for the purpose of fulfilling one of the requirements necessary to renew the charter from the American Institute of Chemical Engineers. Plans for the acquisition of the charter from the AIChE have been made. It is possible that at the time of this printing the charter may have been granted.

Although the ACES is a relatively new club, it has an active schedule prepared for the coming year. Plant trips are sponsored in conjunction with the ACS, and men from the chemical engineering industries present lectures concerning their related fields.

President, H. T. Tuggle, Jr.; Vice President, Roger Zoecolillo; Recording Secretary, W. Steininger; Corresponding Secretary, E. R. Politz; Treasurer, George Williams; Faculty Adviser, Prof. George C. Keeffe.



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INTERFRATERNITY COUNCIL

THE Interfraternity Council, coordinating body of the seven fraternities on the campus, organized throughout the year athletic programs including bowling, basketball, and softball. A smoker was held for the incoming freshman classes in order to acquaint the new students with each other, with the fraternity men, and orient them on college life.

President, Arnold Singer; Secretary-Treasurer, Alfred Tobaoda.



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ALPHA SIGMA PHI *Alpha Rho Chapter*

ALPHA SIGMA PHI has made great strides towards improving the internal conditions of the fraternity. This was accomplished through the efficient work of the house, social, rushing, and business relations committees. The annual fall dance was one of the most important social events of the year.

President, Robert Gordon; Vice President, Paul F. Reibel, Jr.; Secretary, Thomas J. Jennings; Treasurer, Anthony M. Stanley; Faculty Adviser, Mr. Charles H. Duursema.





DELTA SIGMA ZETA

WITH a social-minded approach "Delta Sig" has sponsored dances, picnics, and stag parties. A firm believer in interfraternity sports programs, it is active in all events.

President, John A. Staluppi; Vice President, Frank W. Artusio; Recording Secretary, Victor Cerelli; Corresponding Secretary, Frank Scalera; Treasurer, Anthony Strano.

PI KAPPA PHI
Beta Alpha Chapter

GREAT honors were bestowed this year on Beta Alpha Chapter in the matter of scholarship, as it was found that it ranked highest not only among the fraternities at the college, but also among all the other chapters of the fraternity throughout the nation. This achievement was a major factor in the appointment of N. C. E. to the famous "Honor and Fame Club" of the National Interfraternity Conference.

Archon, Alfred Taboada; Treasurer, Michael Bravette; Secretary, Frank Cozzarelli; Historian, Constantin A. Gorshkoff; Chaplain, James Gomez; Faculty Adviser, Professor George C. Keeffe.





PHI BETA TAU

PHI BETA TAU has finally overcome the major problem which faces most fraternities at the college, namely finding suitable headquarters. The acquisition of a conveniently located house, provided work to keep the brothers active throughout the year. Besides this major project, the members engaged in interfraternity bowling, house and theater parties, and dances.

President, Leonard Castelbaum; Vice President, Arnold Singer; Secretary, Charles Wright, Jr.; Treasurer, Robert Block; Faculty Advisers, Professor Harold P. Wasson and Mr. Robert K. Haubner.



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SIGMA PI

Alpha Mu Chapter

SIGMA PI has furthered the perpetuation of friendships made within the fraternity by its organizing a Sigma Pi Club of Northern New Jersey, where the alumni members can meet and participate in the chapter's activities. The highlights of the year's social functions are the Orchid Ball and the Founder's Day Banquet.

Sage, Frank Navratil; First Counselor, Theodore Tideman; Second Counselor, Howard Miller; Third Counselor, Robert Campbell; Assistant Third Counselor, Raymond Fogel; Fourth Counselor, George Barrett; Herald, James Nile.



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TAU EPSILON PHI
Tau Psi Chapter

TAU EPSILON PHI engaged in a great variety of social, educational, and athletic activities. Most prominent were a theater party in New York, a New Year's Eve party, and a smoker held at the Hotel Sheraton. The fraternity's basketball team was the champion in the I. F. C. League, and its representatives on the table-tennis team are also among the first.

President, William Gerber; Vice President, Richard Presby; Secretary, Murray Sklar; Treasurer, Martin Wolsky; Faculty Adviser, Professor Michael Frederick.



TAU DELTA PHI
Tau Epsilon Chapter

THE third year of the Tau Epsilon Chapter on the campus was crowned with success scholastically, where it ranked among the highest in the College and in the country. Among the social highlights of the year were the Spring Dance and the New Year's Eve party for the alumni.

President, Gerald Brodsky; Vice President, Adolph Attermann; Secretary, Herman Abrams; Treasurer, Leonard Hollander; Faculty Adviser, Mr. Herman A. Estrin.



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RADIO CLUB

WITH a membership of thirty students, the radio club has divided its activities into operating, construction, and teaching groups. The most interesting phase of these activities for most members is the operation of the club's station, W2JPK. In the past year many interesting contacts have been made with stations in some fifteen states, in Puerto Rico, and a ship in the Gulf of Mexico.

President, Otmar P. Schreiber; Secretary-Treasurer, Theodore E. Tajkowski; Station Trustee, James V. Del Guercio.

GLEE CLUB

THE past year won the Glee Club wide acclaim and recognition for its performance of Christmas carols throughout the college on the day before the winter vacation. The program of the club also included a concert on Visitors' Day and participation in the Sophomore Class smoker, where both club and quartet singing were offered.

Associate Presidents, Edgar G. Nordfors, Henry Stroke; Secretary, Adrian J. Visbeen; Director, Mr. Frederick P. Fernsler.







OFFICERS

- BERNARD LUBETKIN *President*
 WILLIAM SACKMAN *Vice President*
 MARTIN CHASE *Treasurer*
 SEYMOUR FLEISHER *Secretary*

THE Athletic Association plays an integral part in the students extra-curricular activities and is second in importance only to the Student Council. Not only organized by the students but supported by them through yearly subscriptions, the Athletic Association carries on the work of providing a complete program for the benefit of all the students.

The program of the Athletic Association includes club and intramural athletics and such varsity sports as basketball, fencing, baseball and yachting. Intramural basketball has embraced almost the entire student body. Varsity ping pong, which has been acknowledged during the past year by the Athletic Association, has grown tremendously in popular demand. Arrangements for matches with such schools as Upsala, Union Junior College, Rutgers University, and Bloomfield Seminary have been completed to inaugurate the new sport. Yachting has also gained much favor during the year, and it is one sport that is retained in full swing during the summer months.

It is hoped that successful seasons will be maintained by these sports and that those still in their infancy will grow to varsity proportions under the guidance of the Athletic Association.

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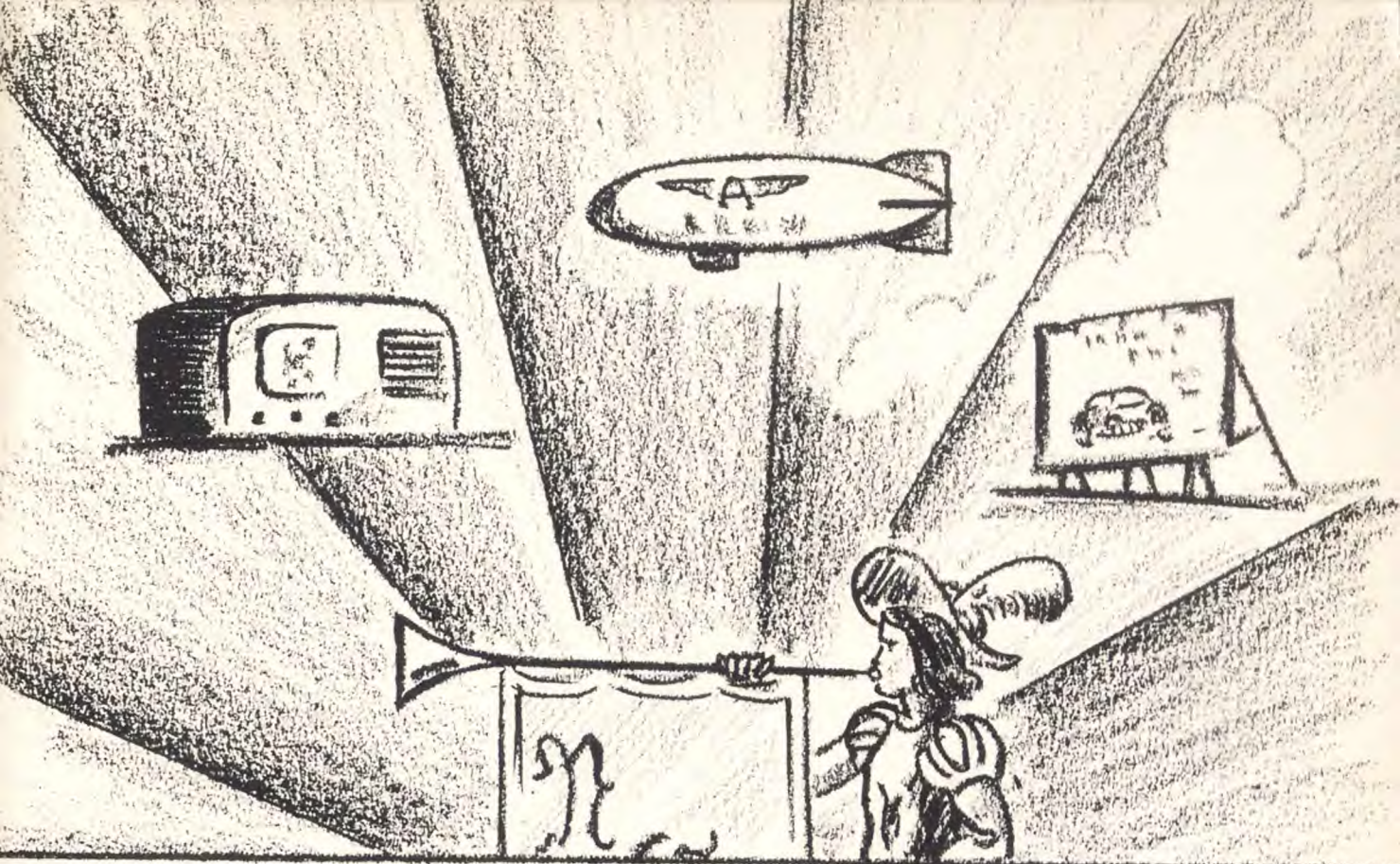
“MR. BASKETBALL”, better known as Coach-Professor Fred Bauder, has been tutoring the N. C. E. “Engineers” for over fifteen years. Coach Bauder has in the past produced powerful quintets on the N. C. E. court. The '48-'49 season had a bright outlook as six lettermen—“Zoom” Fleisher, Alan Dowd, Mike DePhillips, Bill Sackman (captain elect), Red Meyler, and Martin Chase—returned for full time duty. Fleisher was the team’s high scorer during the previous campaign and is expected to carry the team’s fortunes along with Mike DePhillips, transfer student from Syracuse University. The first game played against the N. C. E. Alumni was a terrific success, the “Engineers” completely mauling the graduates. If this is any indication of the strength of this year’s team, the colleges schedule to play the N. C. E. five had better beware.



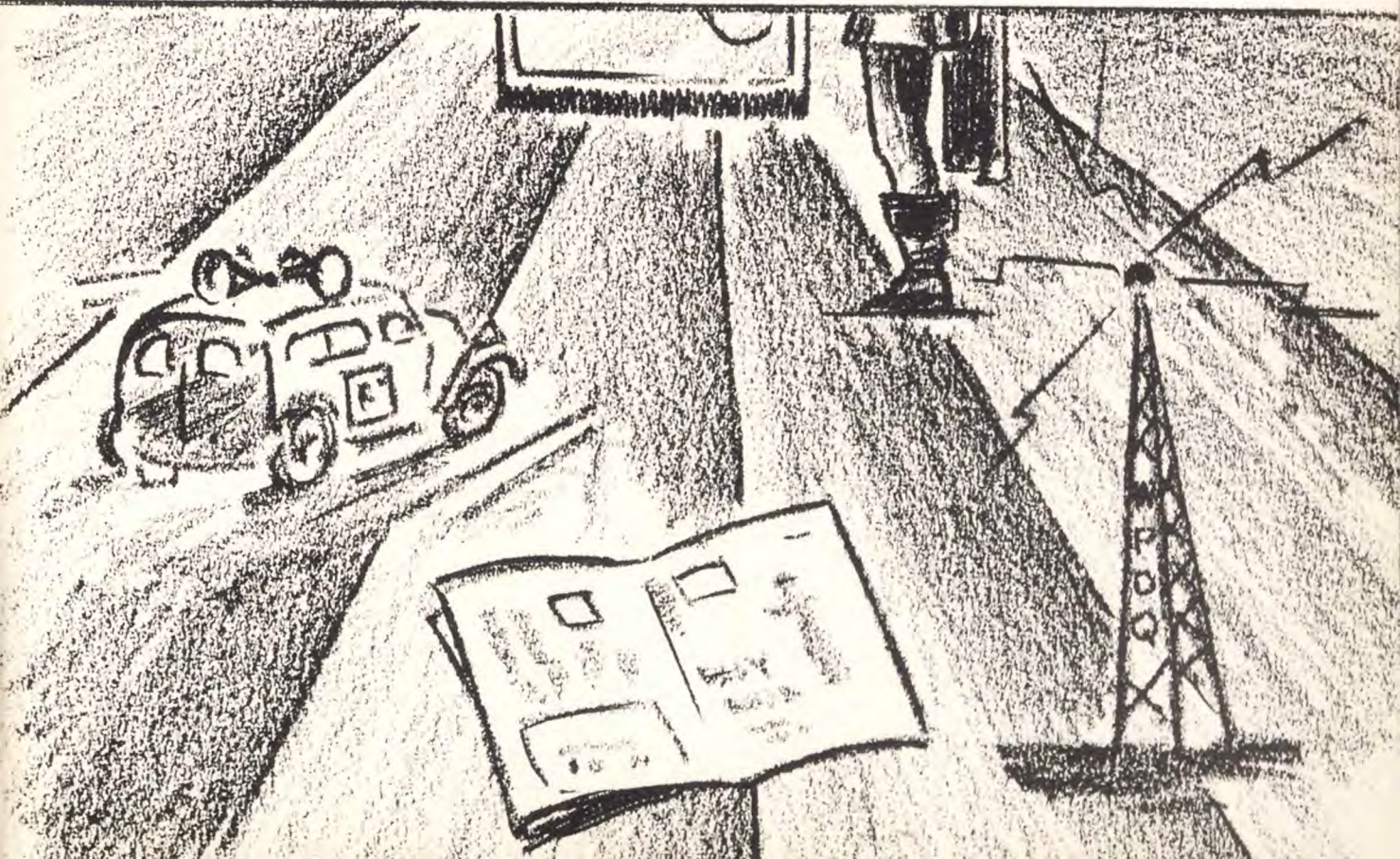
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at

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to the Class of '49**

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DELTA SIGMA ZETA

PHI BETA TAU

PI KAPPA PHI

SIGMA PI

TAU EPSILON PHI

TAU DELTA PHI

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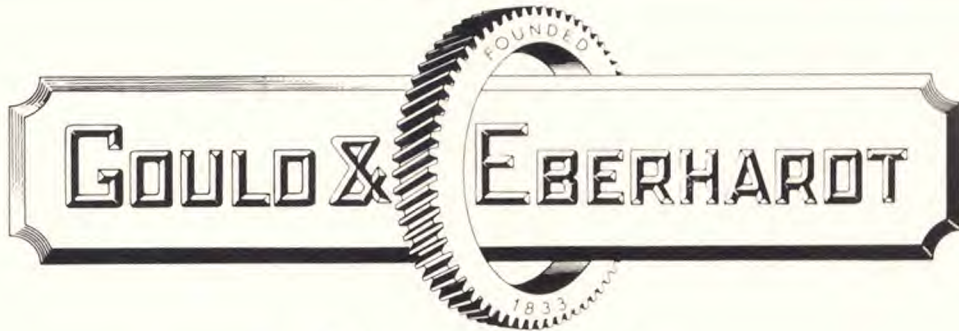
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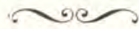
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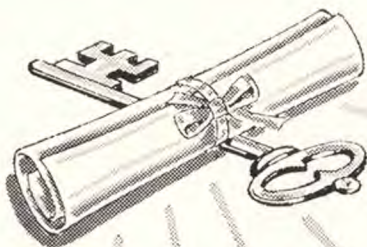
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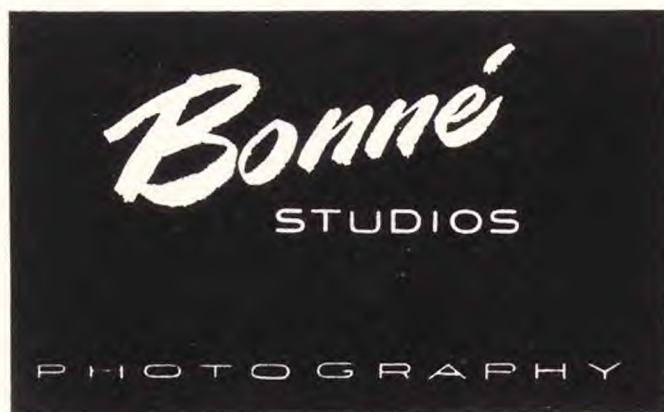
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