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.
Presenting the

NUCLEUS

NEWARK COLLEGE
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of 1951

OF ENGINEERING
NEWARK
NEW JERSEY
He was a farmboy from land-locked Iowa who expressed his urge for the sea by enlisting in the Navy at the age of 18. His sailor’s life took him to the far corners of the world, and the fight against fascism saw him in action in the battles of the South Pacific on the cruiser U.S.S. Portland. A medical discharge terminated his tour of duty on the destroyer U.S.S. Stormes, but not before this man of the soil had demonstrated his ability and courage by attaining the rank of Gunnery Officer, Lieutenant, J.G.

His calm and patient bearing, and his slow mid-western drawl belied the ceaseless energy he displayed in his work, college activities, and home life. His cooperation, loyalty, and desire to participate in the College life of which he was so much a part were demonstrated by positions he held, including: Recording Secretary to the Student Council, Class Representative, Acting Editor of the Class Yearbook, and Class Historian. The unique Freshman election procedure which insures maximum democratic participation is a legacy from his organizational genius.

His was an inquisitive mind. Students and instructors alike will remember his searching questions which added immeasurably to the content of our education. He was a veteran, he was a student, and he was a father. His two sons, Michael and Tommy were as much a part of the affection and interest of the Class as they were to their parents.

Above all he had friends, and it was to his friends that fell the task of completing the work he had started—work on the Yearbook which is now in the hands of you, his classmates.

Whenever we pick up this book, we feel sure we will not be reading and reminiscing alone, for glancing over our shoulder will be the spirit of our friend and fellow-classmate,

DWAYNE L. MCGAHUEY
1920-1950
I believe that it was Napoleon, certainly an exponent of force, who said, "There are only two powers in the world: the sword and the spirit. In the long run the sword is always defeated by the spirit."

Let us resolve to develop within ourselves the right spirit that we may accept to the fullest our responsibilities as citizens and conscientiously strive to make this country of ours a better, stronger America—an America which will be recognized by all the world as a vital dynamic force for good.

My message to you is a challenge to combine works and faith that RIGHT shall ultimately be triumphant throughout the world.
"There is no age at which it is not possible and profitable to learn." Condorcet, in the 18th Century, pointed to our obligation to the Class of 1951 for making it possible and profitable for the College to continue to learn. Each class, in completing its generation makes us grateful that the American education process is a two-way communicative device.

You can contribute to the continuation of this process by loyal support of NCE and a studious regard for your work and your citizenship. America has grown strong on the possibilities and profits of learning.
FRANK A. GRAMMER

The prudent man is mindful of life's uncertainty, but his concern does not lead to fruitless worry or neglect of the future.

Today nothing desirable seems certain, and we find no satisfactory answers to our questions. But when all the questions have been answered and we know to a certainty what tomorrow holds, there will be no need for planning and no need for engineers, for that matter.

Diligence in doing today's job prepares for tomorrow, the existence of which even the gloomiest has yet to deny.
Once more travelers on the road to world peace are confronted with extensive detour signs. Weaknesses in construction must be remedied; reinforcing rods for additional strength must be added if the road is to withstand the wear of peaceful centuries. You who have fought the good fight and have worked diligently these last four years in anticipation of designing new structures, equipment, and processes must first join with all of your fellow men in an effort to refine and perfect the design for world peace. Too long have the engineers, chemists, and physicists searched for and found the answers to problems presented by the physical sciences while giving little thought to the impact of their solutions upon the lives of people. Too long have they depended upon the social scientists to provide for the assimilation of their produce. No longer can we wait for tomorrow to better; rather we must strive vigorously for a tomorrow that must be better.
a red brick castle which lacks only a moat, stairs that left us breathless, the Dean's office, and the "line-up" for registration. Weston Museum with its tribute to pioneers of science, the brains working overtime in the silent library, and relaxing in the smoke-filled uproar of the Commons. 30W which meant boring P of E lectures and hilarious smokers.
... is a city in itself ... Technician typewriters ... dishes clattering in the kitchen ... pretty secretaries brightening the halls ... dinner meetings of professional societies ... ROTC uniforms ... guidance and job seekers ... professors rushing to Weston ... dahlias and trucks in the back yard.
1. The years that followed the Crusades were already at the dawn of the new age of European civilization and modern exploration.

2. The leader who dominated the era was the great Frenchman, Louis XIV.

3. In the late 17th century, the French gradually took over the control of the Spanish Empire.

4. The French people, led by Louis XIV, became the dominant power on the European continent for more than a century.

5. The French Revolution of 1789 marked the beginning of the end of the French monarchy.

6. The Napoleonic Wars lasted from 1803 to 1815 and marked the decline of French power.

7. The French Revolution and the Napoleonic Wars greatly altered the political map of Europe.

8. The decline of the French Empire was due to a combination of internal weaknesses and external pressures.

9. The French Revolution and the Napoleonic Wars greatly altered the political map of Europe.

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15. The French Revolution and the Napoleonic Wars greatly altered the political map of Europe.
JUNIOR DIVISION
DR. M. LELYN BRANNIN
Chairman
"Well, the experiment didn't work, but you get the idea."

PROF. THOMAS. J. TULLY
Executive Associate
"When I was working there . . ."

FAMOUS SAYINGS

DR. PAUL MILLER GIESY—"Old Jim Sprague and I."

PROF. FREDERICK W. BAUDER—(About the basketball team) "Those are my boys."

PROF. POHN A. BISHOP—"Oh, are you still here?"

MR. ROBERT G. POETZ—"When I was driving a stock car . . ."

MR. GEORGE WEINER—"This is an insult to a class of idiots."

MR. JOSEPH M. FITZGERALD—"Look at it this way."

PROF. ROBERT B. PARKER—"Yes, that should work."

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PROF. DAVID E. DAVIS
Chairman
"Now gentlemen, if you'll just sketch along with me."

FAMOUS SAYINGS

MR. ROBERT G. SALAMON—"Who's next on the pinball machine."

PROF. ROBERT WIDDOP—"Who sneaked out for hamburgers?"

MR. RUDOLPH J. KLEM—"Let's keep it quiet men."
PROF. HERMAN A. ESTRIN  
Acting Executive Associate  
"Engineers are notoriously dull, boring, un- 
couth, anti-social, bad-mannered individuals."

FAMOUS SAYINGS

MR. EDWARD F. JOHNSON—(Giving a true-
false quiz). It'll do no good to flip a coin.

MR. JAMES L. LUBIN—"I'm in a benevolent 
mood; I'll only flunk half the class."

MR. JOHN T. SHAWCROSS—"My boy, you can't 
compare Bach with Mozart!"

DR. FRANK M. DURKEE—"In my readings . . ."

PROF. WARREN H. CRATER—"You engineers 
are all alike; if you can't measure the darn 
thing it's no good."

PROF. FREDERICK P. FERNSLER—"Let's forget 
our high school ways and act like men."

PROF. NELSON C. KEABLES—"How many of you 
have read the Atlantic articles?"
Department of Mathematics

DR. GEORGE C. VEDOVA
Chairman
"Oh, that's easy."

FAMOUS SAYINGS

PROF. HERBERT BARKAN—"Integrate this superbeast to the banana power."
MR. LUCIEN P. BOWE—"Don't do the problems you think you can do; work the ones you can't do."
MR. ROBERT K. HAUBNER—"I just got done telling you that."
MR. EDWARD C. MOLINA—"If you have trouble, come up to the house."

PROF. JAMES H. FITHIAN—"Board work will give you practice."
PROF. CARL KONOVE—"Look at it this way."
DR. EDGAR P. VIRENE—"Will you please sign the attendance sheet."
PROF. HAROLD P. WASSON—"It must be a rigorous solution."
Department of Physics

PROF. PAUL O. HOFFMANN
Chairman
“We’re now going to have a little “written” lesson.”

DR. ACHILLE CAPECCELATRO
Executive Associate
“If you are thinking of constructing your own home—don’t!”

FAMOUS SAYINGS

PROF. BEDROSS KOSHKARIAN—“Who is responsible for this mess?”
PROF. PAUL E. NIELSEN—“Now let’s see what happens if we use a 16WF beam.”
DR. IRVING P. ORENS—“If I could only hammer this point home, fellas.”
DR. CARL V. BERTSCH — “According to D’Alembert . . . .”
DR. THOMAS H. BLISARD—“There is no use banging on the door, I won’t let you in.”
PROF. ÉIVIND G. F. RAMBERG—“Let’s not jump to conclusions.”
PROF. CHARLES H. DURSEMA—“You’ll find it much easier if you use kip-feet.”
PROF. BERNARD A. GREENBAUM—“Just the answers, fellows.”
PROF. MARCUS N. MAINARDI — “Because I want it this way.”

PROF. H. HUNTER SMITH—“Where is your F.B.D.?”
DR. SHERMAN L. GERHARD—“This is a problem of simple mensuration.”
MR. JULIUS PÖRT—“Gentlemen . . . !”
MR. JAMES SAGURTON—“If I see any scratch paper, I’ll destroy it.”
MR. JULIUS SHRENSEL—“What’s the per cent deviation?”
MR. MONROE R. WELLER — “Electricity is a shocking course.”
MR. ROBERT J. BRUCKER—“You men will have to learn the fundamentals.”
MR. ABRAHAM J. OSOSKY—“I’m too tired to explain this.”
MR. BRIAN MERRILL—“Have fun, Mac!”
Now of all the sights new to us as frosh
Is there one to remember? Why sure, by gosh!
Standing on High Street could we help but stare
At those walls of ivy that just weren't there?
In the spring of 1948, the baseball club was formed by our class. It later became a varsity sport with Mr. Johnson of the English Department as its able coach.

Testing and guidance helped some of us to decide to become engineers.

As freshmen we may not have experienced the sight of ivy covered walls but there were many other events to make our first year at NCE a memorable one. Some of those events are pictured here while others of equal importance were: the election of George Barrett as president of the Freshman Class, the theatre party to New York, our first class dance held at the Essex House in Newark, the freshman smoker, and our becoming acquainted with the faculty and students with whom we were to enjoy four years of college life.
Just a precaution to be certain that we were capable of sustaining life as engineering students.

Dr. Orens has not built a better mousetrap. He is just demonstrating a chain reaction during Visitors' Day.

By the time we became seniors we could toss them in from twenty yards. As a freshman, only Zoom Fleisher could find the target.

We saw the beginnings of our ultra-modern laboratory building. Speculation ran rampant as to the number of stories being built.
The N.C.E. physical culture course builds he-man engineers; it prepares them for four arduous years.

The faculty has learned to accept the parking situation as a legitimate excuse for being late to class in the morning.

Our gym instructor, Prof. Wasson, of the mathematics department, shows the freshmen what good living can do.

Ping-pong in the commons ran second only to bridge as a free-hour pastime.
Th sophomore gay, and sharp of eye,
The college's prankster—a wise little guy,
Instructors he tested, professors he rode,
But by mid-term was summarily snowed.
A significant step in the college's expansion program was the addition of this well-known Newark landmark . . . now known as Eberhardt Hall.

And here's one reason why Eberhardt Hall was given such a warm welcome . . . the large and modern cafeteria, made available during our sophomore year.

A little homework in mathematical probability.
The sophomore year was the year for expansion—both in educational facilities and in extra-curricular activities.

Our freshman baseball club was accepted as a major varsity team. Members of our class were elected to every student council office except the presidency. Our athletic teams received the colorful nom-de-plume of The Highlanders.

We had learned that a rigorous college life must be sprinkled with a dash of recreation for maximum efficiency.

Also new to the college this year was Mr. "Kenesaw Mountain" Swanson, the High Commissioner of N.C.E. sports.

But we decided not to get up in the air about this expansion program. So the tallest story for N.C.E. students is the fifth floor of the new laboratory building.

"Whose lead is it? . . . I wish I could get my mind off that Calculus test. . . . Who played that ace? . . . I should have gotten 100 in it. . . . What's trump?

An engineer's education should be well rounded. So . . . Thursday night becomes Ladies' Night at the college and the newly organized Dance Club was a great success.

We established a precedent at class smokers by foregoing the usual cider and doughnuts for a more appetizing repast—served smorgasbord style.

The feature event of the smoker was a lesson in ballroom dancing by a pair of talented students of the art.
Only a sudden attack of stupidity will prevent you from graduating.

Who's our expert for today?

So you think you're an engineer?

To make oil—we take a fish and 20,000 years.

I don't make up the problems, the students do.

My six-year-old daughter corrected this test.

Cometh the dawn?

This is heresy.

Oh—come on fellows.

and me, a chemical engineer in the signal corps!
FAMOUS SAYINGS

PROF. RICHARD D. MANGASARIAN—“Below the neutral axis, it’s bubblegum.”

PROF. FREDERICK G. LEHMAN—“Now then, what are the assumptions?”

MR. ROBERT J. BALLIS—“Your mark will be based primarily on the personality factor.”

MR. LEONARD SHAPIRO—“So what’s new?”

MR. EMERY MARTON—“And by Bernoulli . . .”

PROF. HAROLD N. CUMMINGS — “I know what’s bothering you.”
PROF. ALBERT A. NIMS
Chairman
"Hmmm ... What was your question again?"

PROF. FREDERICK A. RUSSELL
Executive Associate
"What are we working on today, fellows?"

FAMOUS SAYINGS

PROF. SOLOMON FISHMAN—"Now there again fellows."
PROF. PAUL C. SHEDD—"We'll discuss the problem of the day."
PROF. WILLIAM JORDAN—"I'm afraid you guys aren't getting this."
PROF. ROBERT E. ANDERSON—"This is practical stuff."
PROF. DONALD W. DICKEY—"That is to say—"
PROF. MATTHEW E. ZARET—"If it rotates, the hell with it!"

MR. JOSEPH J. PADALINO—"Right? Right?"
MR. DAVID KURLAND—"If I talk too fast, stop me."
MR. MILLFORD R. VAN DUSEN—"In other words, errrrr" (clocked at 79 per minute).
MR. WILLIAM W. HEBERLING—"Actually—"
MR. ROBERT R. MEOLA—"Anybody do the homework? No? Then we'll have a test."
MR. ROBERT H. ROSE—"On my visit to the Grand Coulee Dam . . . ."
"Let's close the books men, we're going to have a little testie."

FAMOUS SAYINGS

DR. WILHELM ORNSTEIN—"Who didn't make his homework? Please come to the board."

PROF. LEROY S. OLSEN—"Questions? Questions? Any questions?"

DR. PERICLE A. CHIERI—"I am thinking now in terms of a test."

MR. EDWARD MILLER—"Plan your work, and work your plan."

PROF. ROBERT E. BANNON—"There are a heck of a lot more steels on the market today, than there is a need for."

PROF. THEODORE A. SCHNEIDER—"Well fellows, what's the topic of discussion for today?"

PROF. C. JAMES CAGNONI—"This problem should be done long-hand."

MR. MORRIS H. DESHOWITZ—"Cough! Cough!"

MR. BERNARD H. HERSHKOWITZ—"The conclusion is no good, I want to know why."

MR. HERMAN SNYDER—"Gentlemen, we'll make this a problem period."

MR. JAMES R. SUMMER—"Who's going fishing this weekend?"

MR. RAYMOND J. FLYNN—"Students can sometimes be driven to superhuman effort."

MR. PAUL L. WICKHAM—"It's only a rehash of the book."

MR. EUGENE S. SMITHEBERG—"You never know what you're doing until you've done it."
Department of Management and Personnel

DR. ALLAN R. CULLIMORE
Chairman
"You never get something for nothing."

PROF. OLIVER J. SIZELove
Executive Associate
"I wonder what would happen if a Tau Beta flunked?"

PROF. CLARENCE H. STEPHANS
In Charge of Industrial Relations
"There are plenty of jobs for everyone."

FAMOUS SAYINGS

PROF. WILLIAM J. JAFFE—"Now let's say the company manufactures yo-yo's."

DR. WALTER G. H. RYAN—"It's only a natural instinct."

MR. GALEN T. GOEWEY—"Ta hell with the answer; what's your answer?"

MR. IRVING GOLDSTEIN — "So the Chinese walked up to the bank teller . . . ?"

MR. ROBERT E. KIEHL—"That reminds me of a joke I heard."

MR. JOSEPH A. RICH — "I may not always be right, but I'm never wrong."

MR. LEONARD BASSOFF—"It's the instructor's prerogative to disagree with the text."

MR. CHARLES K. RIDGE—"That's all very nice, but . . . ."

MISS HELEN E. HILDEBRANT—"Did you see my new Packard?"

MR. PAUL W. NORDT—"Keep down the discussion."

MR. LEONARD NOYES—"Name fifteen reasons for . . . ."

MR. HENRY W. STRONG—"Well, you're both right."

MR. HOWARD L. DAVIS—"Stop me if I've told you this before."

MR. GORDON G. HOLBROOK—"While I was with the shipyard . . . ."

MR. D. ARTHUR STRAIGHT—"Hold your head up and enunciate clearly."

MR. JAMES W. HICKS—"You don't have enough discussion points."

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Department of Air Science

LT. COLONEL TUDOR
Chairman
"Marks will only get you the first job."

FAMOUS SAYINGS

CAPTAIN BAUM—"I don't care if they call you at two o'clock in the morning. You'll do it toot sweet!"

CAPTAIN WALLIS—"Good film on Wewak tomorrow."

MASTER SERGEANT BITZ—"Just follow the instructions."

MASTER SERGEANT MAYFORD—"Stay away from the gypsies on Mulberry Street."

MASTER SERGEANT LYNCH—"The Air Force is a good deal."

MAJOR TENNEY
Executive Associate
"Men! This is very important."
"I should'a been a civil."

FAMOUS SAYINGS

"How did he get to be an instructor?"
"Couldn't get a job!"

* * * *

(before) "What can he possibly ask us?"
(after) "Where did he dig up that stuff?"

* * * *

"Grades aren't everything."

"I copied an 'A' report and only got a 'C'."
"They don't read 'em, they weigh 'em."

* * * *

"I had it right, but I changed it just before I handed it in."

* * * *

"Seniors never flunk, do they?"
They gave us the problems and the long lab reports,
Then taught us some things about volts and retorts.
Sweat, how it poured from the junior's bent brow,
We know we got through, but we'll never know how.
Registering for the Junior Year, we were confronted by an innovation in the N.C.E. curriculum—an ROTC program.

The junior year kept us up till the wee hours of the morning—either producing laboratory reports or trying to forget our cares in a gay whirl of smokers, dances, and theatre parties.

How can we ever forget . . . the 50% increase in the female enrollment . . . the wonderful ideas at the ODK leadership conference . . . the moonlight sail up the Hudson.
Sitting one out at the Junior Prom, held at the Maplewood Country Club on Washington's Birthday, just before the infamous bottle ban.

This was the year for literary extravaganzas, . . . Et Cetera, Staff Control, and of course Common Sense. . . . Wonder who the editors were?

The stress and strain of college life is proportional to the academic load.

A modest advertising effort by the administration, consisting of a full page spread in America's best-selling book, was a huge success.
Those electricals... thirty or more hours of classes during the week and still time for a field trip on Sunday.

A carefree junior studying the "reluctance" of the most expensive electrical circuits available in the N.C.E. laboratory.

After a tough year in college, there is nothing like a pleasant vacation at Uncle Sam's expense.
Down but not out, onward he went
Like a rickety rocket that's practically spent,
To June he looked forward, with some slight misgiving,
For then, by God, he'd work for a living.
Remember that carefree fellow we saw enjoying his junior year at N.C.E.? Well, here he is . . . a senior at last!

Optimism in the fall of 1950. "Let's see . . . thirty hours a week, only twenty-eight weeks left . . . size nine and a half, please."

The big wind storm in November. "But professor, I haven't got the assignment because we have no light or heat at home."

But it was not all reports, quizzes, and homework. We like to remember such swell affairs as . . . the Autumn Whirl at the Douglas.
Dying for a smoke? Well here is the place to get them. You may even get the brand you want at our psychological cigarette machine in the commons.

Another quiz—one of a different type. Wonder how I'll look in khaki? At least I've got the laugh on the other fellows now . . . I don't have to worry about job interviews any more.

Back to the books, but whose thoughts did not wander at times . . . still got those 20 per cent A's and B's to worry about. Will that day ever get here?

The seniors get a look-in at a job interview. . . . "Well sir, I've had several other offers, but . . ."
June 8, 1951, the day we looked forward to as underclassmen, when 1951 seemed like 1991, and the day we anticipated as seniors when June seemed so far away. Our four years of college are memories now. We have already forgotten the things which were so important to us a short time ago. But if there is one thing we will remember, it's the reward and climax of our study at N.C.E. . . . the impressive graduation ceremony.
Chester Argast

Section Representative; A.I.Ch.E.

Four years of toil at N.C.E. never took the spring from Chet's step, nor dimmed the smile from his face. His pleasant disposition and helpful manner made him a valuable asset to many social activities.

Harry K. Bethman

Tau Beta Pi; Treasurer, Omicron Delta Kappa; Corresponding Secretary, Class of '51; Vice-President, Student Council; News Editor, Activities Editor, Technician; Chairman, Freshman Orientation Committee.

With his wide range of capabilities, Harry could readily become a successful engineer, businessman, or editor. Not only does he hold top scholastic honors but he has been the leader of a great number of student activities.

Theodore J. Baginski

Arnold Air Society; Rifle Club.

Known to his friends as T. J., Ted is best remembered by the members of his Organic Chemistry Laboratory class for the powerful aroma he created in performing a particular test.

Harold Binder

A.C.S.; A.I.Ch.E.; Intramural Sports.

Harold, a former Air Force Lieutenant, has his family as a primary extra-curricular activity with sports, musicals, and psychological novels as secondary. He hopes for graduate work and a career in design.

Henry Bell

A.C.S.; A.I.Ch.E.

"Ting-a-ling," as he is affectionately called by his friends, was the class leader in the Organic Chemistry Lab. Henry's supply of dialect stories kept the section relaxed and in a good humor between classes.
Louis G. Boch
A.C.S.; A.I.Ch.E.; Section Representative; Chairman, Welfare Committee; Dance Committee; Visitors Day Guide; Varsity Baseball Team; Intramural Basketball, Softball.

Lou's lively company is enjoyed by all of his classmates. His determination to succeed in school, along with his ability to make friends should assure him success in his future ambitions.

Robert J. Boyle
A.I.Ch.E.

Despite his pessimistic attitude and his unbookwormlike attitude, Bob's scholastic record is well above average. His willingness to lend a helping hand plus his genial good humor have won for him a host of new friends.

Norman Gustav Brinkman
Vice-President, Secretary-Treasurer, Glee Club; A.C.S.; A.I.Ch.E.; Section Representative.

Norman was the outstanding chemical student of the junior year, for it was he who achieved the impossible—Dean Bradley's biggest smile. In his spare time, Norman manages to teach Sunday school.

Walter R. Braun
Intramural Basketball and Baseball; Section Representative; Treasurer, A.C.S.; A.I.Ch.E.

Walt has gained many friends with his ready smile and pleasing personality, despite his opinion, "Chemical Engineers are superior to the other branches of engineers."

Charles Burton
Bridge Club; A.C.S.; A.I.Ch.E.

"Wanna play bridge?" That's Charlie looking for a fourth. Other interests include semi-classical music and dancing. He served in the Army during the war on a ground approach radar unit.
John A. Casper

John hasn't any favorite nickname, but he has been called many things by fellow students because of his various viewpoints. He will be remembered for his philosophic sayings.

Vincenzo DiBenedetto
Corresponding Secretary, Delta Sigma Zeta; Secretary, Photography Club; A.C.S.; A.I.Ch.E.

Vinnie, known to his buddies as "Citation," is a strenuous worker—more so than most people—because his problems are more weighty, an obvious fact since he tips the scales at 250.

Victor Cerelli, Jr.
Tau Beta Pi; Delta Sigma Zeta.

Vic, after a five year tour of southern Europe with the U.S.A.F., returned to N.C.E. with a dislike for cold weather and a love of chemistry. His wit, smile, and mannerisms in addition to his intelligence has gained him many friends.

Salvatore Falcone
President, A.I.Ch.E.; A.C.S.; Intramural Basketball; Nucleus; Professional Societies Council; Section Representative.

Sal is a person who combines high scholastic achievements with a shining personality. Always smiling, he goes on day after day, casting his troubles aside and looking only to the brighter side of life.

Robert Cook
Secretary, A.C.S.; S.A.M.; A.I.Ch.E.; Intramural Basketball.

Bob was able to lead an active college life and still raise a family. His broad background as a Marine Veteran and an electrician made him a stimulating influence in class discussions.
Robert Feldmann
A.C.S.; A.I.Ch.E.; Glee Club.

Robert, the most Republican Republican in the class, is intensely interested in Chemical Engineering to the extent of going for a Master's Degree. His outside interests include stamps, coins, headline collections, anthropology, and one girl.

Robert Ferguson
A.C.S.; A.I.Ch.E.; Literary Staff, Nucleus; Section Representative.

Bob is that type of fellow who by his very appearance radiates with good fellowship and intelligence. Always one of the top men in his class, he was a reliable reference.

Charles Field
Captain; Varsity Baseball Team; Freshman Baseball Team; Intramural Basketball; Vice-President, A.I.Ch.E.; A.C.S.

Charlie was as at home in a laboratory as he was on a baseball field. His magnetic personality and ready smile made him one of the most popular members of his class.

John T. Fitzgibbon
A.C.S.; A.I.Ch.E.

Four years at N.C.E. have proven Jack to be equally outstanding scholastically, athletically, and socially. If initiative, good marks, and popularity are indicative of success, then Jack’s future is assured.

Robert Gerlach
A.I.Ch.E.; A.C.S.; Varsity Baseball Team; Intramural Basketball, Softball.

Happy-go-lucky Bob never seemed to have a trouble in the world. Whenever he was around you could be sure that it would be difficult for the conversation to get serious,
Andrew Giacobbe
A.C.S.; A.I.Ch.E.; Varsity Basketball Team; Literary Staff, Nucleus; Tau Beta Pi; Honors Option; Visitors Day Guide; Athletic Association.

Andy is a sincere, understanding, and industrious person having the ability and perseverance to see that a job is well done. Diligence in school work has in no way affected his ability to make and keep many friends.

Samuel Hughes
A.C.S.; A.I.Ch.E.

Sam is one of those lucky married fellows at N.C.E. who receives comfort, understanding, and sympathy from a devoted wife and family. For fun and compatibility Sam is tops.

George Hebeler
A.I.Ch.E.; Visitors Day Demonstration.

George is a very quiet individual who has many friends. His classmates listen to his stories about his experiences just to enjoy his good sense of humor.

Julius Hertz
A.I.Ch.E.; Ping Pong Club; Bridge Club; Intramural Softball, Basketball.

Jules will be remembered for his assortment of flashy sport outfits, snappy suits, and suede shoes. A scholar and a gentleman, he was a real friend.

Robert Jewusiak
Intramural Basketball; Newman Club; A.I.Ch.E.; A.C.S.

As a transfer student from Bayonne Junior College, Bob lost little time getting into the swing of things at N.C.E. He will always be remembered for his Junior Staff Control presentation—a laugh a minute.
Walter Julius
A.I.Ch.E.; Newman Club; Intramural Basketball.

This fellow, with an A-1 personality and the will to be as industrious as the day is long, is destined to lead a good life and make his presence known in the industry of tomorrow.

Donald Knowles
Vice President, A.C.S.; A.I.Ch.E.

Don is a brilliant student noted especially for his accumulation of 7-100’s in ten Physical Chemistry tests. Without a doubt, he will be one of the top chemical engineers of the future.

John D. Leigh
Glee Club; Technician; A.I.Ch.E.; A.C.S.; Section Representative; Nucleus.

John’s vast knowledge of classical and contemporary literature and politics make him an excellent conversationalist. In spite of his experience as a products chemist, he intends to enter the field of technical advertising.

Walter P. Liesegang
Secretary of Golf Club.

When inclined toward speaking, which is often, Walt can capably speak on any subject from alpha to omega. One of Walt’s ambitions is a M.S. degree.

John L. Littlefield
Freshman Baseball; Intramural Baseball and Softball; Section Representative; Glee Club; Dance Club; Recording Secretary, A.I.Ch.E.; Chairman, Dance Committee; Senior Smoker.

John is usually the center of any group he is in. His excellent sense of humor and natural talent for leadership are certain to take him far after he leaves N.C.E.
Robert Meyler

Varsity Basketball Team; Ping Pong Club; A.I.Ch.E.; Graduation Usher.

At 6' 4", Bob stands high among his fellow classmates. His flaming red hair is only outshone by his pleasing personality, which enables him to make friends easily and retain them successfully.

George Masson

Intramural Sports; A.I.Ch.E.; A.C.S.; Section Representative; Athletic Association.

George, an ex G.I., is one of the old men of the class. Being recently married, its no wonder he had to hustle to get through N.C.E.

Percy E. Mizelle

President, Ping Pong Club; A.I.Ch.E.; Intramural Basketball and Softball.

Mr. Mizelle is a very quiet and likable fellow with a great capacity for doing absolutely nothing. He has a violent passion for ping pong.

John E. McCormack

A.C.S.; A.I.Ch.E.; Intramural Sports; Visitors Day.

Jack will always be remembered as a rather quiet, well-mannered fellow. When questioned about West Caldwell, he would always proclaim that it would soon rank with Newark as a major city.

William F. Meola

A.C.S.; A.I.Ch.E.; Intramural Basketball and Baseball; Student Council.

Bill will be remembered for his ever-willingness to give a helping hand to anyone who asked for it, and his promptness for having his assignments prepared on time.
Richard J. Nadaskay
Ping Pong Club; Golf Club; Intramural Softball; Intramural Basketball; A.C.S.; A.I.Ch.E.; Advertising Manager, 1951 Nucleus; Glee Club.
Dick has a wonderful sense of humor which has given us some of our lighter moments at N.C.E. He is really a hard working and serious student but will do anything to make us laugh.

Robert A. Novotny
A.C.S.; Section Representative; Smoker Committee; Arnold Air Society.
Bob is a very jovial person with unlimited energy and a sound business head. He is very active in all social affairs and has aptly demonstrated qualities of leadership.

Eugene O'Connell
Eugene is the quiet one of the class. He usually sits contented in the back row, absorbing every minute detail of the abstract material being discussed.

Carl Gordon Olson
Secretary-Treasurer, N.C.E. Christian Fellowship; Glee Club.
Carl has taken a deep interest in the work of the N.C.E. Christian Fellowship, and patterns his philosophy of life after its teachings. His sincerity and friendliness have won him a wide circle of friends.

Gerard Pallante
Chairman, Inter-fraternity Council Basketball League; A.C.S.; Golf Club; Delta Sigma Zeta; Junior Smoker Committee; Section Representative.
Gerry's antics in the Junior Smoker brought many a howl to the audience. He was a great fellow to have around when any conversation became too dull.
George I. Parisi

Tau Beta Pi; A.I.Ch.E.; A.C.S.; Newman Club; Dance Club.

If you wish to be successful, "don't take your mind off the subject," advises George, who has practiced this philosophy as a student of N.C.E.

Adolph Pribush

Honors Option.

Being a transfer student did not disrupt Adolf's ability to adapt himself to his work. He was always ready to share his knowledge with classmates who found the road to education rocky.

Louis A. Pasteelnick

Chess Club; Intramural Basketball and Softball; Tennis; Glee Club; A.C.S.; A.I.Ch.E.; Bridge Club; Business Staff, Nucleus.

Louis is one of the most friendly students in our class. We will always remember Louis for his ready wit which has provided us with many light moments.

Joseph P. Salamon

Varsity Baseball; Intramural Basketball, Softball; A.I.Ch.E.; A.C.S.

Joe's easy manner when speaking to a group and his friendly way of getting along with people would make him a natural salesman.

Frank Petruccelli

Corresponding Secretary, A.I.Ch.E.

"A little nonsense now and then is relished by the best of men." One of the wits of the school, his unexpected remarks have sent many a class into an uproar.
Raymond Shaftery
A.I.Ch.E.; A.C.S.; Intramural Sports; Technician.

Ray has two main ambitions, to be a chemical engineer and to be a writer. His first will be achieved in June, the other in perhaps a few years.

Alan Schetelich
I.C.F.; Intramural Sports; A.C.S.; A.I.Ch.E.

It's not the atomic bomb! It's just Al expressing his opinion. Al is really conscientious and diligent in all his undertakings. He has a tremendous appreciation of witty humor.

Robert Sibilia
A.I.Ch.E.; A.C.S.; Intramural Sports; Section Representative.

One of the steadying influences of the class, Bob has had an active part in making the school program. A good student and an aggressive athlete, he is one of the best around.
Bernard Soya
A.C.S.; A.I.Ch.E.

Bernard is a man who really enjoys a laugh. His combination of a wonderful sense of humor and quiet nature made him well liked by his classmates.

John Van Kalsbeck
A.I.Ch.E.; A.C.S.

John has combined an active college career with a happy married life. His quiet and dignified manner made him a respected member of his class and his intelligence will make him a valuable asset in industry.

Daniel S. Wilt
President, A.C.S.; Vice-President, A.C.E.; Recording Secretary, Tau Beta Pi; Section Representative, A.C.S.

Daniel's quick wit has helped make our long years in college brighter. He is an honor student who also has a fine record as a leader in school activities.
Civil Engineering
Bruce Babcock
A.S.C.E.; Student Council; Photography Club.

"Would you mind explaining that point again, sir?", seems to be Bruce’s favorite expression. We are sure, however, that his inquisitive nature and seriousness of purpose will carry him far in his professional career.

Raymond S. Beiner
A.S.C.E.; Varsity, Intramural Basketball.

Ray is an excellent example of a good student and a good athlete. His personality made him popular with his classmates. For his career, he is interested in all types of construction.

Arthur T. Brokaw
Photography Club; International Relations Club; Tau Beta Pi.

Art, formerly in Military Intelligence, first attended Princeton and the Juilliard School. Already a licensed surveyor, he plans to be a consultant engineer.

Robert D. Brown
President, Lecturer, Photography Club; A.S.C.E.; Photography Staff, Technician and Nucleus.

Witty Brownie is well-known in school as a photographer. An expert in crafts and archery and interested in philosophy, he hopes to enter hydraulic engineering or teaching.

Joseph D’Emidio
Intramural Basketball; Newman Club; Senior Class Dance Committee.

A diligent scholar with a jovial disposition, Joe had a well-rounded extra-curricular program. He will be remembered for his ever-friendly smile, which should help him on his way to success.
James T. Dette
Intramural Basketball, Softball; Newman Club; Seniors A.S.C.E.; S.A.M.; Senior Smoker.

Jim is known as the meter reader of the "Civils," for he worked summers for Public Service. His outside interests lie in Shakespeare, swimming, and musical shows. He is outstanding for his pleasant manner and friendliness.

William Anthony Duffy
A.S.C.E.; Newman Club; Section Representative; Honors Option; Arnold Air Society.

"Duff" is a stable family man. Of varied tastes in sports and literature, he is particularly enthusiastic over salt-water fishing. For his vocation, he chooses road construction or general engineering either here or abroad.

Joseph DiBernardo
Student Council; Surveyor; Student Service Committee; Senior Smoker Committee.

Joe, an ex-G.I., tolerant and friendly, is essentially a practical person. Interested recreationally in boxing, baseball, and yachting; vocationally he prefers construction.

Leon Eggers
A.S.C.E.

A transferee from Jersey City Junior College, Leon will be especially remembered for his perenially long blonde hair and his many cars—one a cadillac. His quiet diligence should assure success in his future field of construction work.

Jack Duarte
A.S.C.E.

His background as both a student and a soldier of the country of Portugal have prepared Jack well for his career in engineering. A good student and a good father, he enjoys playing bridge and chess in his spare time.
Maurice J. Freeman, Jr.
A.S.C.E.; Section Representative; Honors Option.

Maurice, an ex-Lieutenant of the Air Corps, hails from Union. Fishing, softball, and bridge form his recreation. After graduation he hopes to obtain a Master's degree in Civil Engineering.

Anthony Joseph Galioto, Jr.
Delta Sigma Zeta; A.S.C.E.; Arnold Air Society.

Popular, jovial Tony uses large cars as his favorite means of conveyance. Softball, bowling, swimming, and fishing hold his interest. His philosophy for N.C.E. is hard work, a strong constitution, and a stable disposition.

Ralph E. Gruenberg
N.C.E. Christian Fellowship; Secretary-Treasurer, A.S.C.E.

Ralph, a violinist, proves that the coaching theory that the athlete who can relax will succeed applies also to students. He firmly opposes homework Sundays.

Harry J. Gillespie
Section Representative; Basketball; Treasurer, Newman Club; President, A.S.C.E.

Harry's interests lie in popular music and basketball. Experienced in surveying and noted for his quick grasp of tricky problems, he is seeking heavy construction work after graduation.

Richard L. Halsall
A.S.C.E.; Graduation Usher.

Dick, ex-Navy and a transfer from Champlain College, is a family man and as such, always on the lookout for shorter ways to do homework and school work. He'd make an excellent efficiency expert.
William E. Jones
A.S.C.E.; Sophomore, Senior, Smoker Committee.

Although Bill claims to forget school whenever possible, he is a curious and hard-working student. His varied outside interests include literature, music, and sports. As final vocation, structural design is his choice.

Arnold Knudsen
A.S.C.E.; International Relations Club; Literary Staff, Nucleus; Section Representative.

Arnold’s sports interests lie in basketball and fishing. A firm believer that work should be mixed with a little pleasure, he hopes to make sales engineering his future.

Herbert M. Iris
Program Committee; Chairman, A.S.C.E.; Varsity Basketball; Nucleus Staff; Intramural Softball.

Herb’s dynamic method of speaking, personality, and logical mind make him a natural for sales engineering. Although he held a part time job, Herb still found time for extra-curricular activities.

Raymond C. Heun
Recording Secretary, A.S.C.E.; Section Representative.

Ray, pleasant and soft-spoken, enjoys bowling and ice skating as his sports outlet. His organizational ability should stand him in good stead in his future of highway engineering.

Durrell A. Johnson
Exchange Editor, Technician; A.S.C.E.; Intramural Bowling, Baseball.

Durrell is quiet and unassuming, but is genuinely friendly beneath his shyness. His manner cloaks his natural ability to cope with most problems presented to him.
Edwin Lieberman
A.S.C.E.; I.F.C.; Corresponding Secretary, President, Tau Epsilon Phi.

After having attended Farleigh-Dickinson College, smiling Ed remarks that there is a "slight" difference in the amount of homework there and at N.C.E. He seeks a career in structural engineering.

Stanley L. Maisel
Treasurer, Yacht Club; Intramural Basketball; A.S.C.E.; Dance Committee.

Stan is usually seen with a big smile, driving a different car each week. With the variety of jobs he has held for a background, he should do well in any undertaking.

Ira J. McManus
A.S.C.E.; International Relations Club.

Mac, or "Tyrone" as he has been called, is usually the center of attention at social gatherings. His tastes run to baseball and shuffleboard which afford him his exercise.

Thomas J. McCloskey
President, International Relations Club; Class Representative; Student Activities Committee; Intramural Basketball, Softball, Bowling; A.S.C.E.; Newman Club.

Tom, an ex-Army Ordinance Man, popular with everyone, is a fine example of a Civil Engineer. Interested in dancing, popular music, historical novels, and naturally, in sports, he is a hard working student.

Peter A. Olivo
A.S.C.E.; Nucleus; International Relations Club; Student Council.

Ever-smiling Pete finds his outside interests in boxing and football on which he is an authority. He hopes to make sales his future occupation.
Donald Paulsen

Technician; Surveyor; Manager, Varsity Tennis Team; President, Ski Club.

Don is particularly interested in skiing and ski weekends. A quiet, easy-going fellow, he would like to be a materials purchaser after graduation.

Carmen A. Pecorino

A.S.C.E.; International Relations.

"Pet's" from Lodi and is interested in football, baseball, and popular music. A firm believer in hard work, he hopes to make construction his final vocation.

Edward L. Pityo

A.S.C.E.; Alpha Epsilon Phi.

Ed is a quiet, friendly, easy-going fellow. His tastes vary from semi-classical music and the Theatre to football and baseball. Structural engineering is his future field.

George Perkins

Historian, Pi Kappa Phi; Treasurer, A.S.C.E.

George, an ex-Army man now in the organized Reserves, has an excellent scholastic record and a variety of interests. His cordiality and his willingness to help a classmate will long be remembered.

Louis Ripa

A.S.C.E.; Graduation Usher.

Lou is typical of that "find" of the century, the N.C.E. Civil Engineer. A good mixer, Lou will always be remembered for his contagious laugh.
James David Rose
Treasurer, S.A.M.; A.S.C.E.; Newman Club; Circulation Manager, Technician; Orientation Committee; Section Representative.

Jimmy is known for his unusual energy and ambition which led to a good school record. His interests lie in baseball and classical music. He hopes for advanced work at M.I.T.

Richard Schumm
Vice-President of Class; Corresponding Secretary, Student Council; Manager, Varsity Baseball Team; Section Representative; Athletic Association; A.S.C.E.; Co-Editor, Surveyor; Technician; Nucleus.

The "Little Kip," as he is affectionately called by his friends, has certainly left his mark upon our school. His happy smile and good nature mark him for a successful career in sales.

Joseph Sheehan
President, Ping Pong Club; A.S.C.E.; Secretary, Newman Club; Intramural Basketball.

Joe attended college as he does everything else, quietly. He was very active in sports and social affairs. Either the army or the engineering profession will get a good man.

John A. Scott
A.S.C.E.; International Relations Club.

Big John is the strong silent type. His unassuming attitude and tolerance of his fellow students contribute greatly to his popularity with his classmates.

Holger T. Sjoberg
A.S.C.E.; International Relations Club; Executive Committee, Metropolitan Conference of A.S.C.E.

Ted, after having seen most of the world while in service, has discovered the value of enjoying life. His congenial personality and optimism should assist him in his future as an engineer.
Alex A. Slavin, Jr.

Executive Committee of Metropolitan Conference; A.S.C.E.; Section Representative.

Alex is a happy, practical lad from Morristown. His interests run from musical comedy, historical novels and tennis and basketball to his work, construction, the field in which he plans to stay.

Ramon Thaler

Vice-Chancellor, Tau Epsilon Phi; Intramural Bowling, Baseball, Basketball; Ping Pong Team.

Ray, a quiet, conscientious, and hard-working lad, spent the 1950 summer at the M.I.T. summer surveying camp furthering his Civil Engineering education. He enjoys ping pong and sports.

Albert Smith

Editor-in-Chief, Technician; Associate and Make-up Editor, Technician, Associate Editor, Et Cetera; Recording Secretary, Student Council; President, Omicron Delta Kappa; Glee and Newman Clubs.

Personality and leadership are the words that can best be used to describe handsome Al Smith. As editor-in-chief of the Technician, he was a tireless worker.

Edward S. Thoden

A.S.C.E.; Corresponding Secretary, Newman Club; Section Representative; Literary Staff, Nucleus.

Ed, known for his cheerful disposition, is interested in opera, popular music, historical novels, and football. It is the field of design that holds his interest vocationally.

Harry W. Stinchcomb, Jr.

Section Representative, A.S.C.E.

Loquacious Harry, a lad from Ringwood, was a true commuter with two two-hour rides each day. His chief outside interest was standing by the door of the Prudential building on Halsey Street, watching the crowds go by.
Walter B. Vander Veer
A.S.C.E.; S.A.M.; International Relations Club; Theta Xi.

Walt, an ex-Army man, previously attended Texas A. & M. and Rose Polytechnic Institute. Swimming is his favorite sport and as vocation, he would like to enter the construction and railroad engineering fields.

Herbert A. Wiener
Junior Varsity Basketball; Intramural Softball and Basketball; Technician Columnist; Feature Staff, Surveyor; Corresponding Secretary, A.S.C.E.; Ping Pong Club; Section Representative.

Herb will probably always be remembered for his pained expressions immediately following all tests and quizzes. His sharp wit was often brought to the defense of labor in staff control discussions.

John H. Licht, Jr.

Charles E. James
A.S.C.E.

Charlie, an Army veteran, typifies the average engineering student; he is a pluggerr with plenty of "stick-to-it-iveness." While at school he maintained a part-time job. He is interested in all phases of civil engineering.

Chiefs explore the depths of a scenic brook, making most efficient use of their equipment by placing at the end of each line a well-baited trout hook.
Electrical Engineering
Dorian J. Baldisserotto
A.I.E.E.; Section Representative; Visitors Day; Intramural Basketball, Baseball.

“Baldy” is well liked by all who know him. With his witty remarks and good humor, he has left a lasting impression on his classmates. His personality should insure his future success.

Robert Adler
I.R.E.; A.I.E.E.

Bob has the amazing ability to absorb technical material while reading, with deep concentration, philosophy or poetry. His ability to treat problems rationally and with forethought will stand him in good stead in industry.

Joseph Barg
A.I.E.E.; Dance Club; Section Representative; Visitors Day; Intramural Basketball.

A conscientious worker with a pleasing personality he is always willing to take time out to help a fellow student. His ideals and qualifications are sure to make him a success in his chosen career.

Gerald Hugh Allen
A.I.E.E.; I.R.E.; Section Representative; Nucleus.

Originally from a teachers’ college, Jerry displays the liberal arts influence in his smooth manners and buoyant smile that set anyone at ease.

John Baron

John is always willing to lend a fellow student a hand. He is quiet and amiable and has a flare for electronics which should do much to further his ambition of becoming a research engineer.
George Barrett

Tau Beta Pi; Omicron Delta Kappa; President, Secretary, Epsilon Pi; President, Class of '51; Co-Chairman, Visitors Day Committee.

George will be remembered for his ready smile, equally ready supply of facts, and ability to probe the heart of any matter. He is proficient in a variety of subjects.

Hans A. Becker

I.R.E.; A.I.E.E.

Hans makes friends readily with his pleasing personality, and is characterized by his desire to see things through. He has a keen sense for perfection as exemplified in his photographic endeavors.

John Basarab, Jr.


In his free moments, John enjoys a good game of basketball or an Erle Stanley Gardner mystery. His philosophy concerning college is "more work and less sleep with each successive year."

Joseph P. Belamarich

A.I.E.E.; Intramural Basketball, Softball; Visitors Day Guide.

In his four years at N.C.E., Joe earned the reputation for being a reliable, conscientious student. He did not limit himself to academic standing but participated in sports and other activities.

Boyd J. Betts

A.I.E.E.

Quiet and distinguished looking, Boyd is always ready to help others. His cheerfulness and plain common-sense should prove an asset to any employer. Production is his vocational choice.
Joseph A. Bluish  
Tau Beta Pi; A.I.E.E.; Section Representative; Boat Ride Committee; Chairman, Class Night Committee.  
Joe, outstanding in his studies, is also interested in basketball, baseball, and instrumental music. With a variety of experience, he hopes for a job which combines production with maintenance.

Richard H. Bidlack  
Section Representative; Ping Pong Club; Honors Option; A.I.E.E.; I.R.E.  
Dick, a former fighter pilot, is now operations officer for the Ramsey Squadron of the C.A.P. In addition to his aeronautical activities, Dick finds relaxation in basketball, tennis, ping pong, swimming, and bowling.

Charles L. Borders  
Boat Ride Committee; Nucleus; Student Services Committee; Class Representative; Tau Beta Pi.  
Humorous and mischievous Charlie never allowed his odd and varied outside interests such as carpentry, cooking, bee-keeping, and sports to interfere with his obtaining good grades.

John L. Bigus  
Class Treasurer; Nucleus; Class Night Committee; Moonlight Sail Committee; Dance Committee; A.I.E.E.; Section Representative; Honors Option; Intramural Sports.  
Jack, active in extra-curricular work, also enjoys popular music, Hemingway novels, and dancing. His philosophy is to work steadily, never overwork, and keep within his ability.

Harry Brady  
Arnold Air Society; Alpha Sigma Phi.  
Bright and witty, Harry has a smile for everyone. His dynamic personality makes him stand out and will definitely be a great help to his career.
Harry R. Clark

Friendly, cheerful Harry is an optimist at heart. In the darkest moments, he can be expected to boost the spirit of a group by a timely pun.

Edward Chatlos
Chess Club; Newman Club; Golf Club; Intramural Basketball; A.I.E.E.; Nucleus.

Paul, active in college life, is also a good student. While enjoying all music except "bop," he also finds recreation in basketball and golf. Production is his vocational choice.

Frank J. Cerulli
President, Inter-Fraternity Council; Delta Sigma Zeta; Intramural Basketball; Student Council; A.I.E.E.

Frank is a master of the lost art of walking out of a classroom with coat and briefcase without being noticed by the instructor. He will be remembered, however, for his part in the "Battle of the Corkage."

George Braunsfeld
A.I.E.E.; Nucleus; Intramural Basketball.

George, a good student in all his studies, has some original ideas on writing. Baseball and football are his principal interests with music and magazine articles close behind.

Edward Chatlos
Arnold Air Society; A.I.E.E.

A conscientious worker both in school and at work, he was never too busy to lose a good bridge game. He was well known by his classmates for his laughing sprees and contributions to class discussions.

Paul J. Carpenter
Chess Club; Newman Club; Golf Club; Intramural Basketball; A.I.E.E.; Nucleus.

George, a good student in all his studies, has some original ideas on writing. Baseball and football are his principal interests with music and magazine articles close behind.
Michael A. DiRuggiero
A.I.E.E.; I.R.E.; Dance Club; Newman Club; Graduation Usher; Election Committee.

Mike believes that every N.C.E. student should get a wife or a steady girl friend to help him with his homework. He intends to enter the field of color engineering after graduation.

Douglas A. Davids
Literary Staff, Nucleus; Vice-President, I.R.E.; Senior Smoker Committee; Radio Club; Honors Option; Theta Xi; Visitors Day Committee.

Doug enjoys the works of Wagner, Gounod, and Mozart—finding entertainment in concerts, plays, and ballet as well as in sporting events and auto racing. He hopes for some post-graduate work.

Charles A. Eickhorn, Jr.
Graduation Usher; I.R.E.; A.I.E.E.; Dance Club; Section Representative.

Charles transferred to N.C.E. from Jersey City State Teachers College. Interested in symphonic and popular music, as well as hiking and bowling, he can also give Harry James competition.

Henry Enker
Sigma Pi; A.I.E.E.; I.R.E.

Hank, a serious minded, hard-working student, was a Navy radioman and a technician in industry. He looks forward to a vocation in the field of electronics.

James V. Del Guercio
Trustee, Radio Club; Section Representative; Dance Committee; Dance Club; Chess Club; Nucleus.

Jim, an avid radio ham, is one of those few fellows who can manage to maintain excellent marks while being quite active in and outside of school.
Murray S. Figlin

Murray, an industrious student, combines a ready-wit, capability, and a dynamic personality to win him many friends. His understanding of electronics should carry him far in this field.

Robert I. French

Bob, interested in music, collects classical records. An ex-Army radio instructor, now does radio repair as a hobby. A job in personnel would please him after graduation.

Norman W. Gaw, Jr.

President, Engineering Club, State Teachers College.

Norman, well liked for his sincerity, has a wife who for four years has spurred him on. His chosen vocation is electronics, a field in which his past experience should prove of service.

Frederick Foert

Section Representative; Dance Committee; Student Services Committee; Tau Epsilon Phi; Visitors Day Committee; Intramural Softball, Basketball.

Fred’s motto which is "never worry" fits him well. With his dry sense of humor, he takes all in his stride. Always unhurried, he does his voluminous reports promptly.

William A. Gerard

Intramural Basketball; Junior Snooker.

Bill shows great promise as a future engineer. His favorite pastime is mixing drinks and getting the right answers to problems. An excellent student, he is one of the most industrious members of the class.
Robert Joseph Gilman
Tau Beta Pi; Section Representative; Activity Committee; Student Council; Ring Committee; Nucleus; Dance Band; A.I.E.E.; Publicity Committee; Visitors Day.

Bob, a saxophonist and clarinetist, also enjoys baseball, softball, and swimming. A Navy veteran, he has had a variety of occupational experience which should be to his advantage later.

Terry Gillaspie
A.I.E.E.; Feature Staff, Nucleus.

Terry was reared out in New Mexico and thus has interesting stories to relate about Mexican life and customs. His philosophy is "to plug away like mad."

Emil C. Giovanetti
Dance Committee.

Emil is one of that fast disappearing species who is not afraid to attempt working on his own. His willingness to work hard should carry him through to his goal.

Wallace Gillies

The fact that Wally is near the top in all of his classes while working almost every night is an indication of his ability. Always cheerful and helpful, he has no trouble making friends.

William B. Glendinning
I.R.E.; Nucleus.

Bill, as he is known to all, is one of the more conscientious and hard-working members of the class. His interests lie in the fields of classical and folk music and biblical literature.
Albert E. Gottlieb
Associate Editor, Nucleus; Features Editor, Technician; Chairman, Senior Smoker Committee; I.R.E.; Tau Delta Phi.

A fast man with a word or a quip, Al has enlivened many a dull class or tedious task. Acutely aware of community affairs, he has added considerably to his classmates' social consciousness.

Alfred Graydon
Vice President, Treasurer, A.I.E.E.; Bridge Club; Section Representative; Honors Option.

Al will be remembered for his good grades, sharp wit, and unorthodox method of analyzing problems. Above all of these quantities, however, are his frankness and his ability to support his beliefs.

Ernest Donald Hebert
Varsity Tennis Team; Intramural Sports.

Don set a precedent by his marriage during the Thanksgiving vacation. A sportsman, he enjoys ice skating, skiing, tennis, swimming, and fishing.

Odo Hergenban
President, I.R.E.; Radio Club; Dance Club; Wrestling Club; Intramural Basketball, Softball.

Odo, an ardent sports fan, also enjoys listening to dance records or browsing through math tests. Odo formerly attended Newark State Teachers College and has gained considerable experience in the fields of electronic equipment production and television servicing.

Paul G. Holcombe

Paul has that searching mind and tenacity of purpose which a good engineer must have. His technical ability is balanced by an awareness of the human problems in industry.
Louis R. Jandoli
A.I.E.E.

Louis, an ex-Navy man, previously attended Seton Hall College. For entertainment he enjoys dancing, movies, basketball, and modern music; for a vocation, the field of electronics.

Concetto P. Italia

Intramural Basketball.

John enjoys all sports, particularly ball games and swimming. Dancing, radio, and movies also serve him as entertainment. He would like to do graduate work.

Harry J. Jensen

Varsity Baseball; Intramural Basketball; Honors Option.

Harry, while participating in sports, has managed to maintain an excellent scholastic average. Production-test engineering is the field he would like to enter.

Jay Ittleson
A.I.E.E.; I.R.E.

Jay enjoys TV, popular and symphonic music, and good literature besides report writing. His motto is "Up in the morning, out on the job, work like—for my marks."

John A. Jockel
Newman Club; A.I.E.E.

John has gained considerable work experience in electrical communication, both in industry and in the Army Signal Corps. He has set his sights toward an M.S. in Acoustics, and is planning to be an Acoustical Engineer.

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Milton E. Jones


Milton, while at school, worked for the Mark Knitting Mills. However, with radio as his hobby, it follows logically that he wishes to enter the communications side of electrical engineering.

Howard Katzman

Secretary, Bridge Club; Senior Smoker Committee.

Howie finds leisure moments best occupied when enjoying semi-classical music, opera, a bridge game, dancing, or bowling. As an amateur photographer, he enjoys discussing his hobby.

William R. Laeng

Arnold Air Society.

Bill's winning personality has gained him many friends. In his spare time he has developed his own system for picking football games and is always willing to explain it at Abe and Meyer's.

John H. Lang

Intramural Basketball.

John, interested in baseball and football, had the different job of mosquito inspector. He is a firm believer in working together. Electronics research is his goal.

George N. Lewis

Photography Editor, Nucleus; Corresponding Secretary, Recording Secretary, Class of '51; President, Dance Club; Tau Beta Pi; Omicron Delta Kappa; Historian, Pi Kappa Phi; Student Council.

When "dynamic" George is not watching the fights, he spends his time keeping track of the Dodgers and various members of the fairer sex. His philosophy for getting through N.C.E. is "take it easy."
Robert F. Lubin
Section Representative; A.I.E.E.; Nucleus; Technician; Newman Club; Golf Club; Cap and Gown Committee; Honors Option; Visitors Day Committee; Intramural Sports.

Besides golf and numerous extra-curricular activities, Bob enjoys baseball, football, and soft music. His philosophy is to work hard at the beginning, end, and middle of each school year.

James M. Lindsay
I.R.E.; Visitors Day.

In pursuing his major extra-curricular interest, which is sound recording, Jim has constructed both wire and disk recording apparatus to record his favorite radio programs.

Joseph J. Longo
Section Representative; A.I.E.E.; Features Staff, Nucleus; Honors Option.

Joe, coiner of the term "dooflicker," finds enjoyment in novels, baseball, dancing, and dreamy music. Sales Engineering is his choice as vocation. His philosophy is hard work and plenty of it.

George Madel
I.R.E.; Varsity Baseball; Intramural Basketball.

George relieves the pressure of school work by engaging in sports and playing bridge. He was a valuable member of the school's baseball team.

Fernand F. Martin
R.O.T.C. Colonel; Arnold Air Society.

Ferd is definitely a leader among men and yet "one of the boys." He is a fluent conversationalist and is well-known for his successful manipulation of the "double error."
William Morgan
Newman Club; I.R.E.; Intramural Basketball.

Bill's secret formula for success at N.C.E. was to turn in fat reports—the bigger the better. He did this by writing on a good grade of cardboard.
Arthur S. Nichols
Tau Beta Pi; President, A.I.E.E.; Section Representative; Photography Staff, Nucleus; Professional Societies Council; Student Council; Class Night Committee.

His ability to solve practical problems and his never ending ability to discuss industrial problems will stand Art in good stead. The one "vice" he may have is his willingness to play bridge at any time.

Robert A. Mossi
I.R.E.; A.I.E.E.

His practical approach to personnel and engineering problems together with his sincerely friendly manner makes Bob's choice of sales or management engineering an appropriate one.

Floyd Pederson
A.I.E.E.; I.R.E.; S.A.M.

Floyd's main attribute is conscientiousness. Never one to shirk work when writing reports, he showed both organization and clear understanding of the engineering problems involved.

Anthony D. Mustillo
President, Vice-President, Class of '51; Tau Beta Pi; Chairman, Student Services Committee; Chairman, Moonlight Sail Committee; Ping Pong Club, Volley Ball Club; Omicron Delta Kappa.

Under Tony's skillful leadership, our class successfully concluded its senior year. His infectious smile, hearty laughter, unassuming manner, and capacity for work have endeared him to his classmates.

Henry Theodore Peretko
A.I.E.E.; I.R.E.; Section Representative; Nucleus; Honors Option.

Henry seems fired with enthusiasm and a fervent intellectual curiosity, exemplified by his ever probing questions. He Socratically philosophizes that "Knowledge is virtue."
Frederick Pfisterer
Tau Beta Pi; I.R.E.; Bridge Club.

One of the top members of his class, Fred has the ability to expend only that amount of energy absolutely necessary to do a thorough job. His addiction to drinking cokes at 8:30 A.M. will never cease to amaze us.

Bernard Lawrence Phillips
Chess Club; Glee Club; Treasurer, Radio Club.

He is one of towering stature and abundant technical knowledge who believes fervently in the power of mathematics. If he sets his sights on the moon be assured that he will get there.

Leo C. Poulos

Leo, with his quiet manner and pleasing smile, is destined to be a success in his chosen career. He is both reliable and conscientious and is well liked by all of his associates.

Robert F. Reich

Bob is an amiable chap and an aggressive worker in school and out. His life is patterned on the importance of the expeditious use of one’s time.

Henry Reinecke
Arnold Air Society; R.O.T.C. Rifle Club; Alpha Sigma Phi; I.R.E.

One of the most sociable fellows at N.C.E., Hank still has time to complain. Once he starts something he does not like to quit as can be seen from his philosophy of "stick with it.”
R. Richard Rover, Jr.
Freshman Orientation Program; Visitors Day; President, Alpha Sigma Phi; Intramural Basketball; I.F.C. Smoker.

To a natty dresser, add a touch of poise and character, sprinkle generously with a pleasant personality, and there you have Richard Rover. "Woof Woof" firmly believes that social life has a priority over homework.

Joseph S. Ricciardi
Arnold Air Society; R.O.T.C. Rifle Club; I.R.E.; Alpha Sigma Phi.

Joc is a very friendly fellow and quite the philosopher. He is generous and at all times is ready and willing to listen to his colleagues' troubles in his capacity as chaplain.

Cornelius R. Roerdomp
Vice-President, Phi Beta Tau; Intramural Basketball; I.R.E.

Cory, a Navy radar veteran, was always ready to carry through on difficult assignments when everybody else had given up. He will always be remembered for his ever ready willingness to help his fellow student.

William Sackman
Captain, Varsity Basketball Team; Treasurer, Vice-President, Athletic Association; Technician; Nu Chi Epsilon; Student Council; Master of Ceremonies, Class Smokers, Class Night.

Bill's versatility served N.C.E. in good stead. His "This-a and Dat-a" sharply satirized school life and his ability as an emcee produced many a memorable smoker.

Michael J. Sarullo
R.O.T.C. Rifle Club; Arnold Air Society.

Mike is one of the most amiable chaps you will ever meet. He is exceedingly modest but always seems to have the correct solution for a problem.
Edward K. Schuller, Jr.

Visitors Day; Intramural Basketball.

Ed's notoriety comes from his experience as an electrician's helper, from his propensity for dismantling equipment, and from his monster of a car. If it rotates, Ed says he is interested in studying it.

Harold W. Sellner

A.I.E.E.; I.R.E.; S.A.M.

Harold's poise and confidence while speaking before a group should aid him in his chosen field, that of management engineering. An unusual hobby which occupies his "spare" time is that of raising Boston Terriers.

Robert Shafer


Bob, interested in administrative engineering, was one of the most outspoken members of the class; he could find humor in most any situation. His diligence, perseverance and his ability to analyze problems will carry him far in industry.

Robert C. Sikora

Tau Beta Pi; Section Representative; I.R.E.; Senior Ball Committee; Moonlight Sail Committee; Table Tennis Club.

Bob's special philosophy to get through N.C.E. is, "Don't worry." If his class standing is an indication of the merit of this philosophy, we would say he definitely has the right idea.
Benjamin Strunk

Visitors Day Aide; Honors Option; A.I.E.E.; Nuclens; Intramural Baseball.

Ben enjoys classical and popular music and dancing as well as softball, swimming, golf, and canoeing. With previous experience in production, he hopes for a vocation in production or sales engineering.

Haig H. Soojian

Tau Beta Pi; A.I.E.E.; Nuclens.

Whenever a difficult problem comes up, Haig can be counted on for a satisfactory solution. As this attribute is coupled with a willingness to work, he will accomplish much in his chosen field.

Angelo C. Trivelas

Angelo, formerly in the Army Signal Corps and a student at the Greek Theological Seminary, has had much experience in communications. His vocational goal is production manager.

Norris C. Spencer


Norris, an ex-G.I., is interested in music and collects records. With experience as an electrician in industry, he is interested in electrical contracting and railroad electrification.

John E. Troast

Student Activities Committee; Section Representative; Intramural Basketball; Business Staff, Nuclens.

John's many extra-curricular activities serve as ample proof of his willingness to shoulder responsibility. His main weaknesses are women and pinball machines.
Vincent Valinoti
Honors Option.
For Val, N.C.E. is college number three; he formerly attended Hamilton College and N.Y.U. He readily accepted N.C.E.'s challenge and soon made honors option. We will always remember his willingness to help solve our problems.

Henry Van Kooy
Intramural Basketball; I.R.E.; Section Representative.
Hank, ex-Navy, by his ready smile, sincerity, and friendliness has won many friends. In addition to keeping abreast of studies, he has found time for other activities.

Anthony Vozza
A.I.E.E.; I.R.E.
Tony will be remembered for his ability to hold hot leads in his bare hands. When his school worries became too great, he rode out to his cabin at Upper Greenwood Lake to forget them.

Joseph Gerard Wares
Freshman, Varsity Baseball Teams; Intramural Basketball; Sport Staff, Nucleus.
Joe refutes the claim that, to an engineer, the only function of a baseball is to prove that \( f = ma \). His work with the baseball team shows that he can predict the actions of a baseball on the playing field as well as on paper.

Martin S. Wolsky
Secretary-Treasurer, Inter-Fraternity Council; Treasurer, Tau Epsilon Phi; Intramural Bowling; A.I.E.E.; Ping Pong Club; Dance Club.
His deep booming voice, large stature, and superior ability should prove invaluable to Marty in his post-graduate field of communications engineering.
John Yaron

Literary Staff, Nucleus; A.I.E.E.; Snoker Committee.

John, who makes that long trip in from Throop, Pa. every weekend, formerly attended the University of Scranton. In his spare time, he leads his four-piece band, plays the sax and the violin, and indulges in a little song-writing.

Russell Zeltner


Russ was always the easy going sort who had the happy faculty of facing all difficulties with a confident smile. As a carry over from his marine corps days, he is interested in people and in traveling.

"Murder, Inc." congregates to plan some new strategy. The diabolical smiles seem to indicate that trouble is in the brew.
Frederick Henry Abernathy
Chairman, A.S.M.E.; Tau Beta Pi; Nucleus; Section Representative; Intramural Basketball; Honors Option; Senior Smoker; Professional Societies Council.

Fred has been a leader in activities and scholastic achievement. He has an inquisitive mind supported by a keen, incisive wit.

Raymond E. Albrecht
A.S.M.E.; Rifle Club; Arnold Air Society.

Ray, one of our Navy veterans, is a whiz at figures and can always be relied on for the correct self-derived solution. Ever-cheerful, he can be counted on to enliven a situation.

Cyril I. Alexander
Cy, an ex-aviator, believes that the best way to get through N.C.E. is to get "good teachers," i.e. those who hand out A's and B's, with only an occasional C to end the curve.

Albert T. Balogh
Vice Chairman of A.S.M.E.; Member of Yearbook Staff; S.A.M.

Al, a man of many talents, has a sure manner which helps to inspire anyone working with him. Here is a man who is definitely management material.

Louis A. C. Barbarek
Tau Beta Pi; President, Glee Club; Photography Club; A.S.M.E.; S.A.M.; Interclub Council; Student Services Committee; Class Representative; Nucleus; Dance Club; Senior Smoker; Yacht Club; Honors Option.

Lou, handsome, dashing, personifies the ideal college boy. An excellent student and talented singer and violinist, he hopes to have his own business someday. His hearty laugh will long be remembered.
John Albert Bertschy  
Intramural Basketball.

John, a quiet industrious student, served in the navy as a motor machinist. He was a good man to have on any section's basketball team.

Edward J. Bodek  
A.S.M.E.; Nucleus; Honors Option.

Easy going, sharp humored, famed for his colloquialisms, constant readiness to aid his classmates—Ed has many attributes. His brawny, red-headed figure and ambling gait identify him in any corridor crowd.

John Albert Bertschy

Karl G. J. Bingemann, Jr.  
A.S.M.E.

Karl, a Navy veteran, came to N.C.E. by way of Georgia Institute of Technology and Tulane University. In his wanderings he has found time to acquire a wife and a degree.

Thomas W. Brennan  
A.S.M.E.; Institute of Aero Sciences, Catholic University of America.

Tom's principal interests, work experiences, and subject preferences seem to lie in the field of aero-dynamics. His excellent scholastic record indicates future success in this field.

Harold Brown  
Editor-in-Chief, Nucleus; Vice-President, President, Bridge Club; Cataloguer, Tau Beta Pi; Omicron Delta Kappa; Dance Club; Section Representative; Delegate to Metropolitan Council, A.S.M.E.

* Hal is one example of the model student, not only in scholastic ability but also in extra-curricular work. He admits, sorrowfully, that classes are necessary evils to be endured between bridge games.
Harold Maynard Brown
A.S.M.E.; Graduation Usher.

An excellent scholastic record coupled with a pleasant personality and the ability to stick with a difficult job should insure him a bright future in the field of mechanical engineering.

William Buck
Alpha Sigma Phi; A.S.M.E.; Intramural Basketball.

An excellent academic record, pleasing personality and active student participation in school functions have highlighted Bill's college years at N.C.E. A successful and bright future in industrial engineering is foreseen.

Pasquale Caporaso
A.S.M.E.; Student Services Committee.

Before starting at N.C.E., Pat repaired seaplanes in the navy and was employed as a dairy worker. A conscientious worker who, besides doing the work required at college, managed to bring up a family.

Joseph V. Casino
Intramural Basketball, Softball; A.S.M.E.

Joe's ability to stick to whatever he starts makes him a sure bet as a successful engineer. Of his many interests, development and design head the list.
Vincent Cortese

Combine four years of college, seven years of machine shop experience, a keen mind, and a friendly, co-operative personality, and you come up with the makings of an excellent engineer—Vincent Cortese.

James W. Clark

Tau Beta Pi; A.S.M.E.; Rifle Team; Bowling Team; Art Staff, Nucleus.

Jim, an ex-Army pilot, is well-liked for his sincerity and genuineness. With an eye toward a higher degree, he would like to enter the field of machine design.

Vincent Edward Coyle

Intramural Basketball; A.S.M.E.; Literary Staff, Nucleus; Honors Option; S.A.M.; Tau Beta Pi.

Vinc, an ex-Navy man, is one of the class's intellectual elite. He hopes for a master's degree and a career in machinery design. With his background, he should be a success.

William James Cowroy

A.S.M.E.; Arnold Air Society.

Bill has a keen mechanical mind, and anyone owning a car at school certainly knows him. Generous with time and effort, he has made himself a real friend to his fellow classmates.

Peter Joseph Dalessandro

A.S.M.E.

Pete, an ex-Seabee and an excellent conversationalist, has had truly varied industrial experience, which, coupled with his energetic application to work, should lead to success.
Theodore K. DeBoer

Captain, Varsity Baseball Team; Chairman, Student Council Publicity Committee; President, Athletic Association; Tau Beta Pi; Omicron Delta Kappa; Section Representative.

Ted's philosophy of keeping fresh mentally through extra-curricular activities is well borne out by his record. An all-around student, he plans a future in production and industrial management.

Albert Hugo Demchak

Tau Beta Pi; Ping Pong Club; Corresponding Secretary, A.S.M.E.; Nucleus.

Outstanding academically, Albert also ranks high because of his friendly manner and reassuring personality. He spends his spare time playing ping pong, hunting, camping, canoeing, or tinkering with small arms.

J. Gregory Delate

A.S.M.E.

Greg came to N.C.E. after two years at Trenton Junior College. His ability to print flawlessly made him a valuable man in any lab group. His spare moments were spent in developing ideas for a revolutionary carburetor.

Edward J. Devenezia

A.S.M.E.; Bowling Team.

Ed, known for his jovial nature, had a varied background of pontoon-bridge building, printing and carpentry. In the future, he hopes to be a sales engineer.

Lester Disenhof

President, Vice-President, Tau Delta Phi; President, Treasurer, S.A.M.; Inter-Fraternity Council; Professional Societies Council; Photography Staff, Nucleus; Tau Beta Pi; Omicron Delta Kappa.

Les, a man with executive manner and ability, will make experience serve him. Besides being a walking information booth, fluent arbiter, and businessman, Les knows where he's going.
Robert Howard Douglass
Features Editors, Nucleus; Technician; Intramural Basketball; A.S.M.E.
Doug, of "So Sez Me" fame will long be remembered for his discussion promoting qualities and pointed humor. Changing an otherwise dull class into a bearable one was his forte.

John Albert Domkos
Section Representative; A.S.M.E.; S.A.M.; Activities Committee.
An exceptional draftsman, John not only utilized his talents in Engineering Drawing but helped those unfortunate unable to understand Descriptive Geometry. He plans to continue at N.C.E. for his Master's Degree.

William Easton
A.S.M.E.; Graduation Usher; Literary Staff Nucleus.
Co-operative and friendly Bill has a well-rounded machine shop experience which will aid in his field, machine design. His favorite sports are baseball and fly-fishing for trout.

Russell G. Doudt
A.S.M.E.
One of the hardest workers in the class, Russ's oral contributions to the staff control classes were always sure to liven up the class discussion. His ability to work hard should help him immeasureably in his chosen field.

James Thomas Ferguson
Honors Option.
Jim's sense of humor makes him well liked by everyone. His ability, capacity for hard work, and talent for working with others should make for success in his future fields, production, and construction.
Cyril I. Ferrall
A.S.M.E.; N.C.E. Christian Fellowship; Atomic Energy Exhibit Committee; S.A.M.

Aside from his wife and baby son, Cy's favorite discussion topic is flying. Quiet and unassuming, he had a very distinguished war record as a P-47 pilot, an excellent background for a future in rockets.

George T. Finn
Treasurer, A.S.M.E.; Vice-President, Tau Beta Pi; Arnold Air Society, Publication Officer.

George is an outstanding student and mathematician. Conservative in dress and temperament, interested in research, he possesses a fine Irish wit and is always ready to help others.

Seymour Fleisher
Captain, Varsity Basketball; Secretary, Co-ordinator of Varsity Sports, A.A.; Section Representative; Omicron Delta Kappa; A.S.M.E.; Honors Option.

Zoom, an ardent trout fisherman, is known for his basketball ability, school spirit, and leadership. He anticipates working for an EE degree and entering the field of quality control.

Manuel Florez
A.S.M.E.; Nucleus Literary Staff; Dean's List.

A methodical thinker, Manny's contributions to classroom discussions and problems always proved informative and interesting. An avid theatre goer, he enjoys all types of Broadway plays, particularly those of the Mike Todd variety.

Murray Allen Friedman

Interested in athletics and all curricular and extra-curricular activities, Murray finds relaxation in classical music, scientific literature, and the Theatre.
Donald Howard Garbaccio  
A.S.M.E.; Tau Beta Pi; Nucleus.

Don's tastes in music and literature run to the classical rather than the popular. While hoping for a Ph.D. someday, he would like to work with power plants.

Warren Fryer  
Tau Beta Pi; A.S.M.E.; Arnold Air Society.

Warren is an ex-Navy man with an ever-present sense of humor and an inquiring, analytical mind as well as a charter membership in the Shrdlu's. He is also known for his modesty.

Henry Gallo  
A.S.M.E.

Henry, a Navy veteran from Paterson, is a smiling, helpful student. Math is his main interest. His extra-curricular activities, however, include modern music, baseball, and football.

Peter Garippa  
President, Delta Sigma Zeta; Inter-Fraternity Council; Sophomore Council; Intramural Basketball and Softball; Technician; Dance Club; A.S.M.E.; Nucleus; Usher.

Pete, an activity-minded lad, conscientious worker and good listener, has a super-analytical mind, being the only one in the lab who wanted to know what we were doing before we did it.

Joseph Garvey  

Combining a sharp mind with a likeable personality, Joe shows every indication that the coming years will bring him satisfaction in his chosen branch of engineering.
Charles R. Gentzel
Arnold Air Society.

Charlie, a cartoonist, maintained his equanimity and well-rounded character throughout the scholastic ordeal. His memory and rapid grasp of a situation make him a valuable co-worker.

Erwin D. Green
N.C.E. Christian Fellowship.

Erwin’s favorite sports are boating and rifle shooting. He plans his future in truck design. As for N.C.E., his comment is “Experience is a hard teacher.”

Irving L. Gietter
R.O.T.C. Rifle Team; Tau Delta Phi; Bridge Club; A.S.M.E.; Arnold Air Society.

Irv, an Air Corps veteran, likes his music definitely on the classical side. As for the entertainment he enjoys plays and socials. He would like to enter the field of machine design.

Herbert Herbert Hage
President, N.C.E. Christian Fellowship; Tau Beta Pi; A.S.M.E.; Honors Option.

Herb seeks a career in the testing, research, and development phases of mechanical engineering. With the Bible as his guide, Herb quotes, “The fear of the Lord is the beginning of knowledge.”
Richard C. Hermann

Intramural Baseball and Basketball; Inter-Fraternity Council; Treasurer, Vice-President, Sigma Pi; A.S.M.E.; S.A.M.

Aggressive, diligent and extremely so- ciable, Dick's main interests lie in machine design and automatic machinery. He spends his periods of recreation in rowing or in playing baseball or football.

Calvin Hecht

A.S.M.E.; Intramural Bowling; Nucleus Art Staff; Senior Class Representative.

Calvin, a Newark man, has varied job experience as an assistant foundry metallurgist and a testing laboratory aide. He intends to make his future in power plants.

Thomas A. Hoffman

Tom, an ex-Air Corpsman, is a person- able fellow. His pleasant manner, business ability, and capacity for hard work are cer- tain to be valuable assets to him in the future.

Robert W. Hefty

Student Council; Senior Class Corresponding Secre- tary; Dance Club; Glee Club; Intramural Bas- ketball and Bowling; Nucleus Staff; Student Serv- ices Committee; A.S.M.E.

Bob, although very active in extra- curricular activities, is nonetheless a top stu- dent. He ultimately would like to be a power plant engineer and perhaps to obtain a doc- tor's degree.

Gerald Katz

A.S.M.E.; S.A.M.

Jerry worked as a surveyor's aide with the Bureau of Reclamation. For N.C.E. stu- dents, he suggests, "Sleep all summer be- cause when school is in session, you can't."

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Harry Martin Kennard

Harry's pleasant manner makes him a likeable fellow. His service in the Army Air Force plus his natural ability are certain to bring future success.

Charles Kolbach

Charlie's work at N.C.E. has been featured by an excellent personality, good scholastic record and his philosophy of hard work but no worry. These traits should ensure his success in mechanical engineering.

Walter Kopsky

A.S.M.E.; S.A.M.; Bowling Club; Nucleus; Visitors Day; Dance Club.

While at N.C.E. Walt has compiled a good scholastic record and participated in many extra-curricular activities. His philosophy of hard work and pleasant personality indicates success for Walt in mechanical engineering.

Frank Edwin Lajewski

Student Council.

"Cooperate to graduate" is smiling, carefree Frank's philosophy for N.C.E. students. A Bayonne boy, he possesses an excellent attribute in his ability to get along with his fellow classmates.

Thomas P. Layendecker

A.S.M.E.

Originally a Midwesterner and an ex-Marine, Tom now lives in Jersey City. A quiet, thoughtful but well-spoken student, he is also a connoisseur of modern European and American composers.
Tony, one of our married men, is a good hardworking student. He has been a Navy radio operator and an organic chemistry laboratory assistant. His sports interests are swimming, boxing, and basketball.

Robert Lees
Dance Club; A.S.M.E.
Bob, originally a farm boy, has a primary interest in internal combustion engines. He builds and flies model airplanes. Other interests include gymnastics, hunting, and semi-classical music.

Frank C. Lisevick
A.S.M.E.; S.A.M.
Frank has had extensive experience in design and drawing. His favorite extracurricular activities are tennis, badminton, and swimming. Production Engineering is his aim for the future.

Heinz Lenkeit
Intramural Basketball.
Heinz, with past experience in assembling electrical units, hopes to enter the field of machine and tool design. Popular music, harmonica playing, gymnastics and swimming are included in his other interests.

Ralph G. Mann
Ralph came to N.C.E. from Union Junior College. An ex-artillery sergeant in the USMC, he keeps up his marksmanship by target shooting.
Frank Vincent Mannuzza
A.S.M.E.; Nucleus.
Frank, with his cheerfulness and ready wit helped brighten the class.

Salvatore Martorelli
Treasurer, Delta Sigma Zeta; Secretary-Treasurer, Inter-Fraternity Council; A.S.M.E.; Arnold Air Society.
Sal is known as the little man who appears at the right time with the right answer, an original joke, and a contagious smile. Vocationally, he is interested in production.

Clarence R. Marr
A.S.M.E.; S.A.M.
Rip from Union includes among his varied outside interests popular and semi-classical music, historical novels, football, and boxing. Personnel and Sales claim his vocational interest, an interest which showed up in Staff Control.

John O. McDonald
A.S.M.E.; S.A.M.; Nucleus.
Mac, an ex-Army man with past experience in machine and tool shops, wants to enter production and sales with emphasis on metallurgy. His capacity for hard work should bring him success.

Robert Herbert McGrory
Dance Club; A.S.M.E.; S.A.M.
This tall senior from East Orange is one of our best dressed men, whose special activity is dancing and whose pet peeve was the H.I.C. quizzes. For N.C.E. students, he suggests a diet of hay and oats.
Douglas C. Mertz
Intramural Basketball; Tennis Club; Freshman Orientation Committee.

Doug drives from Millington in his "Dougmobile" which together with his lawn-mower repair service absorbs much of his spare time. His belligerent philosophy for N.C.E. is "Fight! Fight! Fight!"

John E. Mealia
Tau Beta Pi; Honors Option; Section Representative; A.S.M.E.; S.A.M.

John's favorite sport is weight-lifting with swimming and football not far behind. One of our Honors men, he was also active in many class functions.

Irving H. Meyer, Jr.
A.S.M.E.

Irv, previously a Navy radio technician, has a wide variety of interests including music and sports. His vocational interests lie in the fields of personnel or sales engineering.

Edward F. Mersereau
Rifle Club; A.S.M.E.; Chi Psi; Dramatic Society, Stevens Institute of Technology; Adjutant Recorder, Arnold Air Society.

Tall, silent, and sincere, Ed has always been one to help others. His weekends are spent designing stage settings and theatre lighting. Production is his choice of vocation.

John Mihalasky
Circulation Manager, Business Manager, Technician; Omicron Delta Kappa; Publicity Chairman, Visitors Day Committee; Vice-President, S.A.M.; A.S.M.E.; Student Activities Key; Circulation Manager, Nucleus; Intramural Basketball, Baseball.

John, Passaic's diplomat and politician, was vitally interested in all school organizations and activities. Always willing to take on jobs, he also saw them all to their finish.
Fred P. Modrowsky

Intramural Basketball, Softball; Visitors Day Publicity Committee; A.S.M.E.

Fred is Irvington's contribution to the intramural basketball league. His engineering interests lie in design and the practical application of theory. His philosophy is that nothing is obtained except by work.

Robert L. Nichols

Intramural Basketball; Arnold Air Society.

Bob, an ex-G.I., is interested in sports, particularly football. Essentially an extrovert with an understanding of people, he should do well toward getting his management job.

Vincent A. Muto

A.S.M.E.; Athletic Association; Newman Club.

Jim hails from Singac and brings with him interests which range from football to dancing and semi-classical music. His optimistic philosophy is that "Someone is always worse off than you."

Michael Peter Nigro

Freshman Baseball Team; Intramural Basketball and Softball; A.S.M.E.; Secretary-Treasurer, Dance Club; Section Representative.

As his record indicates, Mike is quite interested in sports. His philosophy for N.C.E. is "Take it easy, but make sure you pass everything." He would like a future in development engineering.

Thomas J. O'Grady

A.S.M.E.; Nucleus; Dance Club.

Tom has many interests including tennis, skiing, and popular music. The field of reaction motors is his vocational interest, and his philosophy of "Never give up," has carried him through N.C.E.
Michael A. Passarelli
S.A.M.; Ping Pong Club; A.S.M.E.; Track Team.
Mike, married and an ex-Air Force man, manages an ice cream store during the summer, but ultimately hopes to get a job in personnel. His favorite subject is Staff Control.

William G. Paladini
Tau Beta Pi; Art Staff, Nucleus; Manager, Fencing Team; A.S.M.E.
Bill, a Paterson lad, has football as a favorite sport and has played for a home town club. He would like to obtain his M.S.

Robert M. Pegram
A.S.M.E.
Bob, a man of varied interests, believes in always being prepared and keeping abreast of his work. Such an attitude will make him an excellent and reliable engineer.

Alfred B. Parsons
A.S.M.E.; Nucleus; Dance Club; Fencing.
A commuter from Trenton and an Army veteran, Al's favorite hobby is tinkering with his car and adding gadgets to it. His philosophy is "Do the best you can."

Joseph N. Petras
Recording Secretary, A.S.M.E.; Alpha Sigma Phi; Inter-Fraternity Council; Bridge Club.
Joe, a happy combination of brains and personality, should have no trouble attaining his ambitions which tend toward design and development.
Paul Petrella
Chess Club; A.S.M.E.; Alpha Sigma Phi; Arnold Air Society.

Paul, an Army veteran, is always ready to help a friend. Beneath his jovial exterior is a seriousness and a capacity for work that should bring him success in any endeavor.

Vince Purcell
Vice-President, Freshman Class; President, Sophomore and Junior Classes; President, Student Council; Vice-President, Chess Club; Captain, Fencing Team; Omicron Delta Kappa.

Vince, besides being one of the most active students in N.C.E., is also one of the most liked. He can not help but be a success in whatever field he enters.

Joseph Preziosi
A.S.M.E.; Arnold Air Society.

"Peppy," a veteran, will be remembered for his spontaneous wit and ability to inject humor into any situation. Joe, despite his diminutive size, can tackle jobs cut out for bigger men.

Michael Pustay
A.S.M.E.

A transfer from L.S.U. and originally a candidate for the priesthood, Big Mike's final choice was engineering. Besides commuting from Trenton, doing homework, attending classes, he's found time to acquire a family.

Herbert Reppin
Social Chairman, Alpha Sigma Phi; Section Representative; Inter-Fraternity Basketball; Bridge Club; Senior Election Committee; Senior Ball Committee; Inter-Fraternity Council.

Herb, an organizer, can be counted on to initiate and carry out worthwhile projects. His industrial and Navy experience and ability to present ideas qualify him for sales engineering.
Robert Henry Sawyer
President, Glee Club; A.S.M.E.; N.C.E. Christian Fellowship; Intramural Basketball.

Bob's stay at N.C.E. has been highlighted by his pleasing personality, good scholastic achievements and activity in many school functions. Success is predicted for him in his chosen field of work.

Samuel Romano
A.S.M.E.; Secretary, Alpha Epsilon Phi; Student Council; R.O.T.C. Rifle Squad; Arnold Air Society, Executive Officer.

Sam, ex-Navy, is a congenial and idealistic individual. Of varied interests and a good school record, he envisions a career as an automotive engineer.

Francis G. Schlosser
Alpha Epsilon Phi; A.S.M.E.; Intramural and Fraternity Basketball; Arnold Air Society.

Frank, an Air Corps veteran, is a studious, meticulous, overly frank and yet jovial individual. He combined a good academic average with success in basketball. For a career, he picks production.

Saul S. Schreier
President, Chess Club; Bridge, Ping Pong Clubs; Tau Delta Phi; Feature Staff, Technician; Nucleus; A.S.M.E.; Intramural Sports.

Saul, in spite of his many activities, still finds time to maintain an excellent academic record. Anyone who has worked with him can attest to his hard working qualities.

Robert W. Ruppert
A.S.M.E.; Nucleus.

Upsala College's loss is N.C.E.'s gain in Bob's case. Industrial Engineering is his job choice, and his persistence, patience, and willingness to work should help to gain success.
Edward F. Scink

Intramural Softball; Nucleus; Visitors Day Publicity Committee; A.S.M.E.

Ed, an Irvington man, is an intramural softball player. His favorite subject is machine tool lab because of its field trips. His philosophy for N.C.E. students is "Study."

Mac Semler

A.S.M.E.

Max, the man with 'the pipe, is an import from Paterson State. Heat Power is his specialty and he should go far in this field.

Warren A. Shepherd

Intramural Basketball and Softball; A.S.M.E.; Section Representative; Nucleus, Circulation Staff; Chairman, Cap and Gown Committee.

Shep's philosophy for success is, "There is a time for work and a time for play." His work time, as his marks will testify, is well spent.

Edward R. Simpson

Chairman, Ring Committee; Class Representative; Dance Committee; Nucleus; A.S.M.E.; Intramural Sports; Student Council.

A job in production is Ed's ultimate goal. He spends most of his time either studying for this goal or doing his part to support N.C.E. student activities.

Farris W. Smith

Section Representative; Sophomore and Junior Dance Committees; Business Manager, Nucleus; A.S.M.E.; Visitors Day Guide.

Smitty, an Air Corps veteran, will be remembered for his willingness to do his share. Besides N.C.E. and outside activities, he had found time to think about building a house.
Ben Steinberg
Arnold Air Society.

An insatiable reader of science-fiction and a snappy dresser, Ben was the class cynic. His extensive literary background enabled him to argue either side on any subject.

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James Edward Starkey
A.S.M.E.; Intramural Basketball.

Jim, in spite of his daily trip between Arlington and Dover, still manages to maintain an excellent record. His intense interest in photography should guarantee his success in this field.

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Walter Stepanuk
A.S.M.E.; Intramural Sports.

After serving in the Navy, Walt started his engineering studies at the University of Oklahoma before coming to N.C.E. He is best remembered as being an avid baseball fan.

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Constantine Statopoulos
Section Representative; Nucleus.

"Gus," a hard worker and an excellent student, has set his sights on a position in design and development. His quiet, efficient manner should help him to excel in this type of work.

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Harry Stoll
Secretary, Alpha Mu.

Harry's philosophy was "work, sweat, slave, and swear," and following this, made out well. A Navy veteran experienced in patternmaking and maintaining internal combustion engines, he should do well in his choice, production.
Frank J. Strasburger
A.S.M.E.; Intramural Basketball and Softball.

Quiet and good-natured, Frank holds the distinction of being the only student commuter on the Pennsy never to carry a bookbag. He’d make a good efficiency expert.

George W. Tuite
Intramural Softball.

Being interested in Math, George has no difficulty in picking up good marks. He has the happy faculty of being able to relax under tension and come up with the right answers.

Henry John Stumpf
Corresponding Secretary, Tau Beta Pi; Literary Editor, Nucleus; Sigma Pi; S.A.M.; A.S.M.E.; Honors Option; Visitors Day Guide; Graduation Usher.

Henry’s phenomenal scholastic record will never fail to amaze us; his sharply satirical sense of humor will always entertain us. A brilliant future is predicted for him.

Bertram R. Ulrich
A.S.M.E.; Art Editor, Nucleus.

Bert, a little older than the average student, is an experienced tool engineer. He hopes ultimately to be a designer. His outside interests include popular music, the theatre, dancing, and cards.

Larry Varick
Arnold Air Society.

Larry, the engineer’s Max Schulman, kept us awake with his cryptic remarks and ready wit. Organizer of the esoteric Shrdlu’s, Larry could be depended upon to help a friend.
Robert William Weber
Bob, a graduate of the U. S. Merchant Marine Academy, spends his summers seeing the world as assistant engineer aboard U.S. Line vessels. He hopes for production or maintenance work at home.

Domenick S. Venezia
A.S.M.E.
"Dom" gives full credit for his success as a student to his wife. Friendly and sincere, he is well liked by both his teachers and fellow students.

Sanford S. Whittum
A.S.M.E.
Whittum, a gymnast, interested in the horizontal bar, weight-lifting, and swimming, has a second hobby, model railroading. His ultimate aim is auto design and production engineering.

Fred J. Verse
Glee Club; Intramural Sports.
Fred's stay at this college has been marked by his excellent personality and willingness to study and work hard. These qualities should enable Fred to successfully continue his engineering career.

Edwin J. Zinszer
Class Representative; S.A.M.
Zinz, the class's merry madcap, was enjoyed by all for his nonsensical humor. A studious fellow who believes in doing a few things well, he made an able section representative.
Leo A. Zurier

Intramural Basketball, Baseball.

Leo intends to enter the Heating and Ventilation field. Being tremendously interested in this line, he should find success and satisfaction in his work.

Lester Z. Lieberman

A.S.M.E.; Sports Editor, Nucleus; Basketball; Baseball; Referee's Club; Volleyball.

Les, an aspirant to the position of Sales Engineer, started in sales by selling shoes and working in an auction house. He could get any merchandise below wholesale for anybody.

Howard C. Reenstra

Howard is a tall quiet fellow who always seems to have a way of getting on the spot in Staff Control. His interests vary from classical music to football.

Heine Wittman

Heine's college stay has produced a good scholastic record. His affable personality and many extra-curricular activities coupled with his study interests indicate success for him.

DESTINATION MOON! Intrepid adventurers about to embark on a trip with the help of their reconverted rocket.
Michael Boback
Mechanical Engineering.

A diligent, resourceful man is Mike, who has learned to apply himself. Already a success in the industrial world, he has widened his area of cultural interests and enjoys living.

Ralph A. Brunson
Mechanical Engineering. Chess Team.

Ralph has had considerable experience in the industrial field. He has applied this to good advantage in his college work, and should become successful in his goal of electronic research and development engineering.

James A. Burns
Mechanical Engineering.

Jim, a man possessing ability, vision, and moral solidarity will confront others with keen competition in whatever goal that life dictates he shall pursue.

Edward Thomas Burns
Mechanical Engineering.

Ed's ability to analyze a situation and to act quickly on the results should carry him far. His pleasant manner and personal charm are definite assets which will undoubtedly serve him well in his chosen field.

Bernard Samuel Cohen
Electrical Engineering. Section Representative; A.I.E.E.

Bernard, a former Navy man, is one of the "younger" night school students who has become greatly interested in electronics. He will always be remembered for his remarkable ability to solder radio circuits.
Sebastian A. D'Amato  
Mechanical Engineering.

A toast to Al, a fine fellow and a top-notch competitor. Keen perception and a keener mind will carry him far in any field of endeavor.

Helen Karnoutsou Di Palo  
Mechanical Engineering.

Helen, one of the few women to graduate from N.C.E., is a most outstanding student. Her college work has always been of the highest calibre, and her ability will make her a leader in the engineering world.

P. Gesting  
Chemical Engineering.

Robert John Drummond  
Civil Engineering.

A veteran of three and a half years in the ETO, Bob showed his determination by obtaining his degree in the evening division. Dignified and business-like he is, at present, employed as a structural engineer. Cathy and Anne, his two daughters, are his "pride and joy."

John William Gregorits  
Mechanical Engineering, A.S.M.E.

His willingness for hard work combined with his industrial design experience should permit him to become a successful metallurgical engineer. John, one of the married students, is proud of his three year old daughter.
Edward F. Haracz  
Mechanical Engineering.

John C. Hartmann  

John is one of the men who has had a varied and lengthy experience in the engineering world. His outstanding ability together with his dynamic personality should make him eminently successful in the field of management.

Stephen Hladio  
Civil Engineering. A.S.C.E.; Dance Club; Intramural Basketball.

Steve is the only man in the class of '51 who has not allowed engineering studies to interfere with his outside interest—solitaire. He is the owner of the only floating solitaire game in the metropolitan area.

Bethnal J. Haycock  
Mechanical Engineering.

Here is a man whose experience in quality control will stand him in good stead in engineering. A man of many talents, he was an inspiration to all who worked with him.

John W. Knapp  
Mechanical Engineering.

John is imbued with a quite subtle humor. He wastes no words but seems to spend most of his time getting things done.
Frederic M. Konrad
Chemical Engineering.

Edward A. Margusz
Mechanical Engineering, Member, Newark Technical School Fraternity; Class Secretary.
Although Ed was extremely active in extra-curricular work for a night school man, he was still able to maintain a good scholastic record. His ultimate goal is a job in sales engineering.

Edward J. Mytkowicz
Mechanical Engineering.

John T. Muller
Mechanical Engineering.

Paul Stern
Chemical Engineering.
Leadership and success are synonymous for Paul. His methodical approach and top level intelligence, with just enough of the gambler, should make him outstanding in his field.
James S. Brohawn
Varsity Basketball Team; Mechanical Engineering; Newark Technical School.

His professional interests lie in the field of design engineering. That James has some non-professional interests too is indicated by his participation in sports.

Richard E. Hirsch
Electrical Engineering, A.I.E.E.; Sigma Nu.

One of our ex-servicemen, he served with the Signal Corps in the Southwest Pacific theatre. His diligence and thoroughness, coupled with his Army technical experience, will help Richard become an outstanding engineer in his field.

Walter E. Schurr
Mechanical Engineering, A.S.M.E.

Following extensive service experiences, Walter has obtained the position of plant superintendent. His philosophy and congenial personality will enable him to attain further success in the industrial world.

Stephen Boykewich
Civil Engineering

Elsie A. Driscoll
Chemical Engineering

Edward F. Geisler
Electrical Engineering

Hiram B. Gilson
Mechanical Engineering

Harold E. Galanty
Electrical Engineering

Paul Johnson
Chemical Engineering

Angelo M. Comerci
Mechanical Engineering

George H. Cooke
Chemical Engineering

Tau Beta Pi

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Joseph P. McCabe
Electrical Engineering.

Joe has a sense of humor that seems to fit every occasion. He is a diligent worker and a good mixer, all of which will help him to obtain his objectives in life.

Robert Sills
Electrical Engineering.

Robert, a former service man in the Army Signal Corps, has been applying his college work for several years in the industrial field. He has always approached his studies with a seriousness that is characteristic of the married men in the class.

Philemon A. Wallace

Phil is one of the erudite evening students whose interests go beyond engineering. His education in the liberal arts together with his engineering training is a too uncommon combination that is needed today.

Richard H. Koester
Electrical Engineering

J. Kunzenbacher
Chemical Engineering

George Leszczak
Mechanical Engineering

William Miller
Mechanical Engineering

Rudolph Ostermueller
Mechanical Engineering

Frank M. Rubinstein
Mechanical Engineering

Robert G. Swain
Electrical Engineering

Ralph F. Visco
Mechanical Engineering

William Zarkartha
Mechanical Engineering
For all of the swell affairs—the dances, smokers, proms, boat rides, and picnics—and all of our college moments—rings, keys, and yearbooks—we owe a tremendous vote of thanks to the members of our class council and to its officers.

To our class president, Tony Mustillo, for guiding our efforts in every phase of endeavor. To Dick Schumm, our vice-president, for devising his ingenious method of financing our activities. To John Bigus, our treasurer, for his wise control of our purse strings. To our secretaries, George Lewis and Bob Hefty, for their work in publicizing and recording our many class functions. To Mr. Johnson, our class adviser, for his sage counsel and assistance whenever called upon. And of course to the men who served without titles—Bob Novotny, Joe Bluish, Al Gottlieb, John Littlefield, and the host of other section representatives and class members.

Thanks, fellows! You all did a terrific job, one we will never forget! One for which we will always be grateful!
The toil and trouble of college life... staff control debates... free body diagrams... cook book chemistry... last minute cramming... impressions of the faculty... election posters... dance ticket salesmen... nickels for cokes and ice cream.
Early scrambling and digging by all unsuspecting juniors were symptoms of that dreaded plague, Staff Control Reports. The only cure was a potent mixture of scrap paper, midnight oil, and anguished howls for extensions.

The Management Option Course made its debut with a required mammoth law book text that made present briefcases obsolete. It might have taken brains to understand the book, but it took muscles to carry it!

The impending manpower draft injected a serious note for the future and many students sought the answer towards completion of their education in the R.O.T.C. However, a war as a reward for education was not conducive to peace of mind.

An informal dance, "The Jack O'Lantern," rocked the walls of the staid Robert Treat Hotel in the first social affair of the year. The Junior Prom followed at the Montclair Golf Club. The N.C.E. Boat Ride brought out all the "sea wolves."

The year ended with junior scrambling and digging again—this time forewarned was forearmed—for Senior reports.
The fortunes of the class of '53—the starry-eyed sophomores—were guided by most of the officers of last year's freshman class. The class president, Tom Brennan, was the sole novice as an officer. Class interest was maintained at a high level by an energetic program of activities.

The Sophomore Smoker started things rolling again in the Fall term with a hilarious performance by very talented class members. An insight into the private lives of the sophs was obtained at the class square dance held at the Old Evergreen Lodge in Springfield. The intimate atmosphere and lively dancing gave plenty of enjoyment to all.

These outstanding social functions, and the many more to come, indicate that the golden age of learning is the second year of college life.
With its organization early in October, the Class of '54 was introduced to the social life at N.C.E. through the medium of an Inter-Fraternity sponsored smoker and dance.

The enthusiasm engendered prompted the Freshman Council to plan a well-rounded extra-curricular program which included: a Square Dance, an Informal Dance, a Class Trip to New York City, and a Class Picnic. An activities "first" was registered by the Class of '54 with the introduction of Dads' Day to the Social Calendar.

An ambitious program for an ambitious class.
EXTRACURRICULAR ACTIVITIES

Time out for fun and good fellowship... and the Student Council takes over... society meetings in New York... fraternity hops and Orchid Ball... Visitors Day... portrait sessions and proofreading... bats and balls and fencing foils.
PROFESSIONAL SOCIETIES COUNCIL

President .................. ARTHUR S. NICHOLS
Secretary .................. HARRY J. GILLESPIE

Composed of the presidents of the seven professional societies, the Professional Societies Council serve to coordinate the activities of the participating organization. It accomplishes this purpose by providing a means of exchanging information among council members and by representing the societies on the student council.

The council stands ready, at all times, to assist any of the professional societies or their individual members in the solution of any problems pertaining to professional activities.
American Institute of Chemical Engineers

The year 1950 marked the inauguration of an A.I.Ch. E. Student Affiliate at N.C.E. Recent accreditation of the Chemical Engineering Department by the Institute allowed N.C.E. to form a chapter. The aim of this organization is the furthering of the Chemical Engineering curriculum through chapter meetings and plant trips to chemical industries in the area. Once each year the chapter will sponsor a four-day plant trip to give the students a wider picture of the industry. This year’s trip was to the Baltimore (Md.) area.

Meetings are held twice monthly, at which speakers from industry discuss various aspects of Chemical Engineering.

American Chemical Society

The Student Affiliate Chapter of the American Chemical Society has, since its inception at the Newark College of Engineering, given its members the advantage of associating in a society which is professional in nature and progressive in ideas.

The society encourages the advancement of chemistry and increases the knowledge of its members over varied fields. This is accomplished by trips to chemical industries in the area and by guest speakers from industry.

Every spring, students may attend the annual convention of the student affiliate chapters in Northern New Jersey. Seven colleges are represented at this convention. These events provide an opportunity for students to express their ideas and to develop more fully the basic qualities which are prerequisites for the professional engineer.
President ......................... HARRY GILLESPIE
Vice-President ...................... EDWARD L. PITTOY
Recording Secretary ............... HERBERT A. WIENER
Treasurer ......................... GEORGE PERKINS
Program Chairman ................ HERBERT M. IRIS
Faculty Advisor ................... PROF. JAMES M. ROBBINS

The Student Chapter of the A.S.C.E. has one primary aim—to produce well informed civil engineers. Our society believes that one way to accomplish this is to present practical applications of course material through guest speakers who are eminent in the field. For this purpose a meeting is held once a month.

The chapter is an active member of the Metropolitan Conference, which sponsors field trips to various industrial organizations. A recent trip was made to the new Port Authority Bus Terminal.

A well developed social calendar helps to broaden and develop the social life of the student engineer. Picnics and dances have been very successful in promoting a closer, and friendlier relationship among the members.
The N.C.E. branch of the American Institute of Electrical Engineers operates in accordance with the National A.I.E.E. policy of sponsoring chapters at accredited engineering schools. The local chapter supplements the formal courses of instruction.

This year the local chapter joined with nine other colleges in District III to form the Student Council of District III of the A.I.E.E. This council helps coordinate the activities of the local chapters of each of the participating colleges, and publishes a newsletter for chapter information.

Benefits of student membership in the national organization include automatic transfer to grade of Associate Member upon graduation, subscription to "Electrical Engineering," use of library facilities at National Headquarters, and attendance at student conventions held annually in each district.

The N.C.E. Student Branch of the Institute of Radio Engineers was formed during the spring semester of 1948. Since then, it has gained impetus and, despite its comparative youth, has attained a membership equal to that of the more established professional societies.

Its primary purpose is to stimulate interest among Electrical Engineers in the fields of communications and electronics. This has been accomplished with remarkable success during its short existence.

The I.R.E. provides informal, bi-weekly sessions during which the latest developments in television, laboratory testing techniques, or other fields of electronics may be discussed. Noteworthy among the Institute's activities have been its evening lectures and demonstrations by leading engineers in the field of electronics.
Our social and economic system demands the participation of the engineer in civic and community affairs. This participation is a chief aim of the American Society of Mechanical Engineers. The society tries to develop an appreciation of the vital position of the engineer and a broader interest in fields allied to his own so that he can cooperate and coordinate effectively with other fields of engineering. The society encourages original research and fosters engineering education through meetings, talks by men with knowledge of what the engineer must be and do, trips to plants and factories where operations and procedures with which the engineer should be familiar have been observed, and conventions in New York where professional men have gathered to know each other better.

The annual Charles T. Main Award for the best paper within the general subject of the professional in public life, has been an inducement for student engineers to broaden their interests and knowledge.

Undoubtedly, the society has been influential in the development of good engineers and citizens in the past years. The retiring officers hope that it will continue to expand and be of even more benefit and service in the future.
S.A.M., the recognized professional society for industrial engineers and managers, offers not only pertinent information on industrial engineering and management but also opportunities to become acquainted with this field through plant visits, films, and lectures. Students are invited to participate in the activities of the present organization, the Northern New Jersey Chapter of S.A.M. This group's frequent meetings provide excellent speakers and discussions as well as the opportunity to meet this area's management leaders.

An employment brochure composed by the Chapter has received commendations from industrialists and newspaper editorial columns and serves to focus attention on both the Chapter and the College.

President ....................... Lester Disenhof
Vice-President .................... John Mihalasky
Treasurer ........................ James Rose
Secretary ......................... Murray Friedman
Faculty Advisor .................. Prof. William Jaffe

SOCIETY FOR THE
ADVANCEMENT OF
MANAGEMENT
The primary function of Tau Beta Pi, national engineering honor society, is to recognize those men who have shown distinguished scholarship and possess exemplary character.

The New Jersey Gamma Chapter, located at N.C.E., is also engaged in several other activities intended to further the principles of the organization. On several occasions during the past year almost the entire membership was participating in the Tau Beta Pi Tutoring Program, which provides assistance to students having difficulty in their academic pursuits.

The Annual Junior-Senior-Faculty Smoker has been instrumental in promoting better Student-Faculty relationships.

The third major activity of the Chapter is the Instructor Rating Program, under which instructors asking to take part are evaluated by the students in their classes on such qualities as academic proficiency, classroom technique, and personality in general. The results of the rating are reported to the instructors.

With the basic principles and purposes of the organization to guide them and the activities outlined above to challenge their abilities, the members of Tau Beta Pi continue in their efforts toward uniting the interests of the faculty and students on a basis of mutual understanding.
The Newark Circle of Omicron Delta Kappa, formed from the Nu Chi Epsilon Society in May, 1950, is a leadership honor society for men. It is designed to bring together in one body for the general good of the college all leaders in various forms of activities. As part of the national organization of Omicron Delta Kappa, the Circle strives to promote and project "The ODK Idea" by recognizing men who have attained a high standard of efficiency in all collegiate activities and by bringing together on a basis of mutual understanding men who represent all phases of campus life.

Membership in ODK is limited to upperclassmen who have distinguished themselves in certain major and minor positions or offices while remaining in the upper third of their class. Invitation of new members is held once each term in conjunction with a special banquet meeting.

In addition to its function as a recognizing body, the Circle also extends advisory service to campus organizations and sponsors leadership and gripe conferences. Discussion meetings, convocations, and the publication of student handbooks are other typical ODK projects.
The Arnold Air Society is a national, honorary organization of advanced Air Force ROTC cadets. It has as its explicit purpose the furtherance of the concepts and traditions of the United States Air Force.

This liaison with the Air Force is accomplished by means of informal talks and gatherings with specialists from the Air Force and from civilian life on related topics. Field trips to Air Force bases and installations are also made by the members of the society.

The national society offers a yearly scholarship of $500 to a deserving junior of the organization. This award may be used as the recipient sees fit.

Alpha Sigma Phi was founded in 1945 at Yale University and has since become one of the largest fraternities in the country. The school year of 1950-51 has brought with it several important advances for Alpha Rho Chapter, among these being: the acquisition of a new and more desirable house, an increase in active membership, and the reorganization of an active alumni group.

Here at N.C.E., Alpha Rho Chapter looks with pride on its record of good fellowship and scholarship attained through the years.
An increased membership in Delta Sigma Zeta Fraternity made possible a greater participation in campus activities and inter-fraternity athletics. Prominent since its establishment in 1930, Delta Sigma Zeta has been guided by its ultimate aims: to promote the technical knowledge of the members, to provide social entertainment, and to develop individual friendships.

Lectures on various technical subjects helped keep Delta Sigma Zeta members abreast of their field. The fraternity's social activities were highlighted by their 20th Annual Dinner Dance. Also active in sports, Delta Sigma Zeta won the inter-fraternity basketball championship of 1949-50.

The Pi Kapps have been prominent in school affairs since the formation of a national Pi Kappa Phi chapter in 1948 from the original, local Phi Sigma Omega fraternity.

Open house is held by the fraternity members after every home basketball game in order to properly celebrate the Highlander victories. A complete social calendar is rounded out with the Rose Ball, Square Dances, and frequent parties.

An active participant in inter-fraternity sports, Pi Kappa Phi has maintained a continual supremacy in intra-mural basketball and bowling.
Phi Beta Tau has been one of N.C.E.'s most active fraternities since its formation shortly before the war. The brotherhood has actively participated in the inter-fraternity basketball and bowling leagues and is looking forward to an expansion in other sports activities. Phi Beta Tau has maintained the highest fraternity scholastic average for the past two years. During the past year, a constantly growing alumni association has been formally organized to carry on the high ideals of the fraternity after graduation. One of the main policies is the principle of religious and racial equality which has proven a valuable asset to Phi Beta Tau.

Alpha Mu is the representative on the N.C.E. campus of the Sigma Pi fraternity—national organization of forty-three active and four colony chapters. Its primary concern, at the college, has been to foster an interest in social affairs.

Every Thanksgiving Eve, Sigma Pi holds its Orchid Ball—a formal affair at which the fraternity brothers present their dates with a purple orchid. A Founders' Day Banquet and an annual informal Spring Dance round out the scheduled social functions. Sigma Pi also joins the other fraternities in the Inter-fraternity Council in encouraging competition in clean sports and in maintaining a high scholastic standing.
Since the founding of Tau Epsilon Chapter of Tau Delta Phi fraternity four years ago, the fraternity has become increasingly active both scholastically and socially.

In the matter of scholarship, Tau Epsilon has continually maintained the position of the number one national fraternity on the campus with an all undergraduate average of 2.59. Socially, it has recently expanded to more spacious fraternity quarters somewhat closer to the college. Parties and other gatherings are held here monthly. Its success in these fields can be demonstrated by the recent induction of two of its members into Tau Beta Pi and one into Omicron Delta Kappa.

Founded October 19, 1910, at Columbia University, Tau Epsilon Phi issued a charter for the Tau Psi Chapter at the Newark College of Engineering in 1947.

Non-sectarian, and representing many creeds, the organization has served to enrich the college life of its members by: providing a place for study, recreation, and comraderie, supplying aid in particular subjects, and providing a convenient stop-over for commuting students.

The New Year’s party, the Annual Dinner Dance, and the Conclave and Beach Party are highlights of the Social Affairs Calendar.
The coordinating body of all student activities is the Student Council—a unique organization composed of representatives of professional and honor societies, fraternities, clubs, teams, classes, and publications.

The primary function of the council is to collect and allocate money for the operation of the diverse student activities at the college. At the present time, its main income is the highly successful sale of student council cards. College life was made more pleasant, while supplementing the council’s income, by the installation of numerous cigarette, coke, candy, and ice-cream vending machines throughout the college.

The ticklish situation of drinking at college dances was wisely handled by a voluntary ban on corkage at the beginning of the year. The reactivation of the Student Morale Committee, the conduction of a Question Box Assembly, and the reestablishment of student Convocations are additional examples of the Student Council’s many activities.

Future plans call for the establishment of a student lounge as well as the further expansion of club and athletic activities.

STUDENT COUNCIL

President . . . . . . . . . VINCENT PURCELL
Vice-President . . . . . EDWARD REHILING
Treasurer . . . . . . . . . JOHN MANDEL
Recording Secretary . . . . . . . THOMAS WECHSNER
Corresponding Secretary . . . . JOHN ALBRIGHT
Publication of a school newspaper is a part of school life almost taken for granted by the student body. Nevertheless, it remains one of the most thankless of extracurricular activities, entailing long hours and hard work for the creative effort that appears in the Technician.

Inherent in the process of publishing a newspaper is the maturity which, of necessity, must be acquired where an awareness and understanding of the motivating forces in our society are involved. The educational horizon is considerably enlarged from that of academic book learning to that of a knowledge of human relationships. Honesty and acuteness in presenting news, editorial opinion, and creative writing must prevail where student interests are concerned. The Technician campaigned successfully for a "gripe" conference in which student grievances were aired directly to the administration, and the paper pressed vigorously for a student lounge and for an activities fee with which to carry on an extensive extra-curricular activities program. Vital controversial social issues were considered in an examination of discriminatory clauses in fraternity constitutions.

The best indication of how well the Technician played its provocative role in campus life was the support it received from the student body in terms of the highest circulation ever achieved.
About a year before its publication, a highly enthusiastic group of people start out with the high resolve of completing all the work necessary for the Yearbook way ahead of time.

During the Summer vacation, when time hangs heavy and most of the work could be done, no one can afford to be bothered except, of course, the harassed editors. The high resolves have been neutralized by low reserves.

The rest of the story on how the Nucleus was published can be told by observing the various moods of the editors. From being harassed in the Summer, they become frustrated in the Fall, which is the usual condition of men without women. Writeups are not being received on time, graduation photographs are not going according to schedule, and there is a dearth of material.

By winter time, the editors have become neurotic. They find themselves waking up at night screaming, "DEADLINE!" They start drinking alone. The somber air of stark tragedy surrounds the Nucleus Staff.

In the Spring, the editors’ fancy turn a nervous breakdown into the birth of a delicate publication, and they are then ready to take a post-graduate course at Overbrook College.

NUCLEUS
The Student Services Committee was organized to expedite the processes that the student must go through in order to obtain information about college activities, New York plays, radio shows, discount privileges, and other information of a social nature.

The committee is headed by a chairman who coordinates the efforts of the radio and theatre ticket procurement division, the advertising division, the student welfare division, and the student council card division.

By performing these services, the committee has been able to provide a convenient outlet for the extra-curricular interests of the students.

The Surveyor is the official newspaper of the N.C.E. Student Chapter of the American Society of Civil Engineers. It is published on the second Monday of each month to coincide with chapter meetings. The primary purpose of the paper is to publicize A.S.C.E. activities, thus keeping the Civil students well informed of coming events.

The paper is noted for its clean scoops in the "Vacuum Cleaner" column—a column containing contributions from the student body. A writeup of the qualifications of speakers at chapter meetings and background material necessary to comprehend their talks are also contained in the Surveyor.

The paper is not all serious, however. A large portion of it is devoted to college humor and funny classroom episodes.

The staff is composed of editor, Dick Schumm; feature writers, Herb Wiener, Don Paulson, Bob Schwade, Dan Bionda, and Joe Di Bernardo; cartoonist, John Licht, and news specialists, Jim Dette and Joe D’Emideo.
In spite of losing twenty-four of its top-ranking tournament players at last June's graduation, the future of the N.C.E. bridge team looks very bright. The first two duplicate tournaments this year contained many promising bridge players from which the twelve positions on the team could be filled. The Goren Point Count tactics employed by the players should enable them to extend their 3-0 record in intercollegiate competition.

In addition to the tournaments, the club conducts beginners' bridge classes and lectures on the finer points of bridge for the more advanced players.

Recent years have seen the development of chess from a mere pastime at N.C.E. to a varsity sport. In 1950, the New Jersey Intercollegiate Chess League was organized by Saul Schreier, N.C.E. Chess Club President. Member teams include N.C.E., Stevens Institute, Montclair State Teachers, Newark Rutgers, and Seton Hall. At the present time, the N.C.E. team is in second place—one game behind the league leading Stevens team.

Support from the student body has been constantly on the increase and promises to provide the team with enough talent to maintain their high position in the State League.
Amid the skepticism and materialism of an engineering college, the Christian Fellowship stands as a testimony to the veracity of God's word—The Bible. Organized to present the answer to the greatest need of college students, the group has engaged in an active program of Bible study, prayer, and fellowship.

The group is affiliated with the Inter-Varsity Christian Fellowship, an organization having chapters in 21 foreign countries and in over 500 colleges in the United States.

The Dance Club was organized three years ago by the Class of '51 under the able direction of our energetic physical education director, Mr. R. Swanson. Many students participating in this organization were amazed to find that they did not have two left feet.

Thursday nights finds the gym filled with a number of the fairer sex recruited from the Newark State Teachers College. With the aid of a record player, the walls resound with the music of fox trots, tangos, rhumbas, and waltzes.

All of those attending found transformation from the world of calculations to the world of figures.
Although the work at N.C.E. was nothing to sing about, there was a group at the school which managed to provide a musical background to studying. Under the capable leadership of Prof. Fernsler, the N.C.E. Glee Club provided many an exciting moment with the stirring sound of twenty-five voices raised in song. An extensive repertoire permitted gay and tender chorales for such occasions as Christmas, student musical revues, and Visitors' Day entertainment.

The Extra-Sensory Perception Club is one of the youngest on the campus. It was formed during October, 1951, because of an interest of a few students in the field of para-psychology. Under the guidance and supervision of its faculty advisor, Dr. Ryan, the club has presented a series of lectures in topics ranging from classical psychology to such highly controversial subjects as telepathy and spiritism. The lectures have stressed, primarily, the theoretical aspects of the various subjects. Future plans, however, include practical demonstrations of hypnotism.
The International Relations Club, under the able guidance of Dr. Frank M. Durkee of the English Department, was organized during the past year to stimulate student interest in international affairs. Since its inception into the school the club has expanded rapidly and has become a large, well-organized unit.

One of the main purposes of this newly formed group is to provide understanding and enlightenment to N.C.E. students in regard to the complex problems facing the world today. This idea was pursued by the club program during the year and was highlighted by a trip to the United Nations in New York.

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The Golf Club is composed of members of the student body who enjoy the game of golf. It’s aim is to help anyone who is interested in the game to improve and to instill an interest in non-players. Instruction is carried on for beginners and advanced students by the faculty advisor.

The members have had many satisfactory sessions in the past and have plans for several outings when the golf season opens again.

Till the next Golf Club meeting—"Fore!"
A newcomer among the organizations at the college, the Newman Club has just completed its first year of existence. The club was organized for the enrichment of the spiritual and temporal lives of the Catholic students and this aim is achieved through a balanced program of religious and intellectual activity.

Among other functions, the Newman Club sponsors weekly lectures by priests and laymen, and an annual Communion Breakfast.

Pictured above are the club’s first officers with some of the senior members.

President: JAMES DETTE
Vice-President: FERDINAND LURSKI
Corresponding Secretary: EDWARD THODEN
Recording Secretary: JOSEPH SHEEHAN
Treasurer: HARRY GILLESPIE
Province Delegate: JOSEPK D’EMIDIO
Inter-Club Delegate: JOSEPH DI BARNARDO

The Photography Club has had an active year under the leadership of its president, Robert Brown. It has conducted numerous lecture demonstrations and portrait sessions with the assistance of eight models.

Through actual demonstrations, the club has taught fundamental and advanced printing techniques to its members. Lighting, special effects, print retouching, and posing models in portraiture have also been discussed.

The spring term will feature the use of the club’s new electronic flash unit to provide experience in flash photography and various field trips to enable the members to learn how to use the sun’s natural light.
N.C.E. ping-pong players have figured prominently in both the New Jersey Intercollegiate and the Metropolitan Leagues this past year. At the present time, the club's chances of being eligible for the playoffs in either league are very good.

The recently completed freshman tournament of twenty-five first year men promises to insure a steady influx of talent. The addition of these frosh to the already vast reserve of thirty-five men will help to maintain the N.C.E. team as a strong power in this area.

President .................. PERCY MIZILE
Secretary-Treasurer .... STANLEY KANES
Team Captain ............... JOSEPH SHEEHAN
Faculty Advisor ............. MR. DAVID MANGNALL

PING PONG CLUB

RADIO CLUB

President ............... DONALD H. MARX
Secretary-Treasurer  WOLFGANG MEREL
Trusted .............. JAMES DEL GUERCIO

Organized in 1937 by a group of students interested in amateur radio, the Radio Club has become a mecca for men interested in this hobby. Endeavoring to aid those interested in procuring their licenses, the club has constantly maintained code practice equipment and radio theory literature at the disposal of its members. For beginner and seasoned operator alike, the club has facilitated discussions concerning recent developments in the art.

Operating four amateur bands, members have helped to spread the name of N.C.E. through local, national, and international contacts from the radio "shack"—room 227L.
RIFLE CLUB

The N.C.E. Rifle Club enjoyed its most successful season in 1950-51, with the club and all of its sixty-five members becoming affiliated with the National Rifle Association. All club firing is done at the Sussex Avenue Armory with government supplied rifles.

Two intercollegiate teams were sponsored by the club this season—a Varsity team and an Air Force ROTC team. Both teams fired postal matches with numerous large colleges throughout the country. In addition to the postal matches, the Varsity Team competes with teams from eleven other major metropolitan colleges as a member of the Metropolitan Intercollegiate Rifle League.

President: Bernard Mansbach
Vice-President: Arthur Liber
Secretary-Treasurer: Edward Hoffman

SKI CLUB

Increased interest in skiing marked the advent of a Ski Club at N.C.E. during the winter of 1949-50. Although hampered by a chronic lack of snow, the skiers managed to make several successful trips to the trails of Vermont and the Catskill Mountains.

The club, as a member of the Greater Metropolitan Intercollegiate Ski Council, competes in several informal meets during the winter season. The meets are followed by sessions of instruction in the techniques of downhill and slalom racing.

From the varied abilities displayed by the N.C.E. skiers, it is expected that the club will perform favorably at the Council’s ski meets.

President: Donald Paulsen
Vice-President: Amy Cooper
Secretary-Treasurer: Dominic Guerra
Faculty Advisor: Prof. Jerome Polaner

YACHT CLUB

Commodore: Philip Goetz
Vice-Commodore: Martin Guirwitch
Secretary: Richard Shelby
Press Agent: Frank Vitek

During the fall and winter season, the Yacht Club is forced ashore because of the adverse sailing conditions. The deficiency, however, is more than compensated for by the lively discussion meetings that are held every other week. Topics range from the art of boat building to racing rules and sailing.

In the spring, the fleet is removed from its winter moth-balls for active duty against Rutgers and Stevens Institute.
The Athletic Association, one of the largest organizations in the school, is operated and supported solely by the students. Its objectives are to stimulate student interest in extra-curricular activities in the sports field, raise and apportion funds contributed by the students in such a manner as to bring the greatest possible return to the contributor in the form of activities; encourage intercollegiate competition which will foster good will and sportsmanship between the Newark College of Engineering and contemporary colleges, approve varsity schedules, and present athletic awards at its annual banquet held during the final month of the spring semester. The Association operates through a council consisting of four A.A. officers who appoint the student manager of varsity athletics, managers of varsity and intramural sports, and representatives of the clubs under the jurisdiction of the A.A.

The Athletic Association is gradually moving closer to its goal—a far reaching schedule of athletics with the support of the entire student body—and wishes that the alumni would also help as much as possible in attempting to reach this goal.

Athletic Association
### BASEBALL

#### THE 1951 SCHEDULE

<table>
<thead>
<tr>
<th>Month</th>
<th>Date</th>
<th>Team</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>April</td>
<td>9</td>
<td>Baltimore University</td>
<td>Away</td>
</tr>
<tr>
<td></td>
<td>11</td>
<td>Stevens Tech</td>
<td>Away</td>
</tr>
<tr>
<td></td>
<td>13</td>
<td>Montclair State Teachers</td>
<td>Away</td>
</tr>
<tr>
<td></td>
<td>14</td>
<td>Panzer</td>
<td>Home</td>
</tr>
<tr>
<td></td>
<td>21</td>
<td>Drew</td>
<td>Away</td>
</tr>
<tr>
<td></td>
<td>28</td>
<td>Newark State Teachers</td>
<td>Away</td>
</tr>
<tr>
<td>May</td>
<td>5</td>
<td>Montclair State Teachers</td>
<td>Home</td>
</tr>
<tr>
<td></td>
<td>5</td>
<td>Upsala</td>
<td>Away</td>
</tr>
<tr>
<td></td>
<td>12</td>
<td>Bloomfield</td>
<td>Home</td>
</tr>
<tr>
<td></td>
<td>19</td>
<td>Newark State Teachers</td>
<td>Home</td>
</tr>
<tr>
<td></td>
<td>26</td>
<td>Farleigh-Dickinson</td>
<td>Home</td>
</tr>
<tr>
<td></td>
<td>30</td>
<td>New Paltz State Teachers</td>
<td>Away</td>
</tr>
<tr>
<td>June</td>
<td>2</td>
<td>Drew</td>
<td>Away</td>
</tr>
</tbody>
</table>

**CENTER:** Another base hit against Clarkson Tech.

**BOTTOM:** A few of the bench jockeys go to work against an opposing pitcher.
The 1951 season marked the final chapter of the varsity careers of seven members of the original Freshman Baseball Team that first stepped onto the diamond three years ago to represent N.C.E. in intercollegiate competition. In those three short years since the spring of 1948, the N.C.E. nine had become one of the powers to be reckoned with in collegiate baseball. It had made Newark Schools Stadium its home grounds, more than doubled the number of games on its schedule, and had given a good account of itself on its extensive road trips to Maryland, Pennsylvania, and New York.

Captain Charles Field, labeled by opposing coaches as the team's most valuable player because of his versatility at the plate and in the field, sparked the infield play from first base. Another standout performer, Vin "Rookie" Miller, who led the team in several departments while sporting a slugging average of .522 in his freshman year, took over the duties at the keystone sack.

At shortstop was Joe Wares, who holds the single distinction of having played four positions in one game. Rounding out the infield at the hot corner was N.C.E.'s "Old Reliable," Ted De Boer, last year's captain, who had consistently led the team in batting with a three-season average of .376.

Jack Boland, possessor of a trigger-action throwing arm; Donald Kroeck, lead-off man with a .296 batting average, and fleet-footed Bob Gerlach, a constant worry to opposing pitchers when he gets on base, patroled the outfield.

Lefty Lou Boch, who once again was expected to be the mainstay of the mound corps, sought to improve on his last season's record of four wins and one loss and an earned run average of 3.76. Alternating with Lou on the hill was Harry Jensen, Charles Field, and Ted De Boer.

A three way battle to win the backstop honors was in the offing as aspiring candidates Don Krejsa and Bill Bastan tried to oust George Madel from his familiar slot behind the plate.

Since no team is any better than its bench, success in 1951 will be dependent upon the future performance of the many promising candidates who turned out for the first practice sessions at Branch Brook Park. High hopes were held for a season that surpassed even last year's—when the team first climbed over the .500 mark with six victories and five setbacks.

We of the Class of 1951 would like to congratulate Coach Johnson for his standout job in giving us a fighting and winning ball club. We wish him luck and success with future varsity nines.
With a record of 11 wins and 3 losses the Newark College of Engineering basketball team, despite its limited practice sessions, went through its longest and toughest season since its pre-war schedules. The successful record lies in the well-rounded ability of the squad plus its outstanding spirit and its will to win. The set shooting by Captain Seymour "Zoom" Fleisher, Andrew "Gabriel" Giacobbe, and Arnold "G" Giovanelli; the one-handed jump shots by Herb Iris; the fast breaking and driving of Charles Lubetkin and Richard Passamai; the rebound work by Robert "Red" Meyler, Joe Kindzerski, and Jack Blazier; and the outstanding ability of the fine reserves, Charles Hoffman and Harry Novak, were all instrumental for the victories under the able guidance of Coach Fred Bauder.

This season N.C.E. became "Mythical City Champs" by defeating Newark State Teachers College and Newark Colleges of Rutgers in the home-and-away series and by soundly trouncing Rutgers College of Pharmacy on its own court. Our successful western trip, instituted by Coach Bauder, resulted in an N.C.E. win over National Agricultural College of Pennsylvania.

Much stature was gained for N.C.E. when we trimmed Panzer College on our home court avenging our earlier defeat at their hands.

In the season's play N.C.E. posted two decisive triumphs over both Drew University and Jersey City State Teachers College. The alumni also fell before our high scoring combine.

The loss by graduation of Fleisher, Iris, Giacobbe, and Meyler will be sorely felt, but the abilities and the prowess of the freshmen, sophomores, and juniors on the team will continue to bring more victories to N.C.E.
Closely guarded, Highlander Art Giovaneli gets a difficult shot away in the season's finale against Newark Rutgers.

Joe Kindzerski struggles for possession of the ball during the Alumni game.

THE SEASON'S RECORD

NCE 64 Panzer .................. 69
NCE 65 Newark State .............. 56
NCE 57 Drew ...................... 54
NCE 73 Newark State .............. 57
NCE 83 Rutgers Pharmacy .......... 67
NCE 49 Stevens .................. 57
NCE 65 Alumni ................... 49
NCE 63 Paterson State ......... 64
NCE 84 Jersey City State ...... 61
NCE 71 Agricultural ............. 41
NCE 84 Newark Rutgers .......... 75
NCE 77 Panzer .................. 75
NCE 59 Drew ...................... 50
NCE 67 Newark Rutgers .......... 62

[153]
The 1949-1950 season was a year of rebuilding for the fencing team due to the graduation of three key men from the previous season's undefeated team. This loss sufficiently weakened the team during the early part of the season so that it lost matches to Drew University and Stevens Institute. The season's play, however, provided the team with additional experience and finesse—enough for them to secure their second leg on the N.C.E. Invitation Tournament Trophy by severely trouncing all of the other participating colleges, including the two teams that beat them earlier in the season.

The start of the 1950-1951 season saw the same identical team on the strip for N.C.E. Their skill and experience, so far, has proved to be too strong for their opponents. At the writing of this article, the fencers have a record of seven wins and no losses and have an excellent opportunity to complete their second undefeated season in three years.

The season will close at the N.C.E. Invitation Tournament to be held on Visitors' Day, March 31. A triumph in the tournament would give the fencers their third leg on the Tournament Trophy and, consequently, permanent possession of it. There is every reason to believe that N.C.E. will win this year—their third year in a row since the inception of the tourney. In addition to their defense of the team title, five of the N.C.E. fencers are defending champions in individual events.

The future of the fencing team looks very bright for at least one more year as all of the varsity lettermen, with the exception of former team captain, Vincent Purcell, will be in action for N.C.E. next season.

### The 1950-1951 Schedule

<table>
<thead>
<tr>
<th>Month</th>
<th>Date</th>
<th>Opponent</th>
</tr>
</thead>
<tbody>
<tr>
<td>December</td>
<td>16</td>
<td>Newark Rutgers</td>
</tr>
<tr>
<td>January</td>
<td>13</td>
<td>Montclair State</td>
</tr>
<tr>
<td></td>
<td>20</td>
<td>Pace</td>
</tr>
<tr>
<td>February</td>
<td>10</td>
<td>St. Peter's</td>
</tr>
<tr>
<td></td>
<td>24</td>
<td>Lafayette</td>
</tr>
<tr>
<td>March</td>
<td>3</td>
<td>Stevens Tech</td>
</tr>
<tr>
<td></td>
<td>9</td>
<td>Paterson State</td>
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<tr>
<td></td>
<td>10</td>
<td>Cooper Union</td>
</tr>
<tr>
<td></td>
<td>17</td>
<td>Drew</td>
</tr>
<tr>
<td></td>
<td>24</td>
<td>Fordham</td>
</tr>
<tr>
<td></td>
<td>31</td>
<td>N.C.E. Invitation Tournament</td>
</tr>
</tbody>
</table>
With the return of all but one member of the 1949 net squad and the addition of several talented transfer students, the forecast for the 1950 campaign was bright. Led by the sterling playing of Jack Sasseen, the nesters completed the season with a record of four wins against two losses, an indication of the team's improved standing in intercollegiate competition.

Opening against Drew on April 15, the netmen encountered a powerful aggregation of veterans and were defeated 7-2. The opposition had preceded the match with several weeks of intensive outdoor play whereas the N.C.E. men had barely readied their squad.

Gaining their form the following Saturday, the team easily downed its second opponent, Fairleigh Dickinson, by the convincing score of 7-2.

The team's second defeat was at the hands of Newark Rutgers by a 6-3 verdict—as John Crispano prevailed over his opponent for the only N.C.E. singles win. On the following day the squad overwhelmed Paterson State Teachers with an impressive 8-1 victory.

St. Peter's was the racquet wielders' third victim, falling hardest by the convincing score of 7-0. The opposition was able to take only two sets out of sixteen in bowing to the N.C.E. netmen.

With three victories safely stowed away the squad completed the season by humbling the Monclair State Teachers College by 5-3.

In preparation for the 1951 campaign, Coach Bowe again inaugurated fall practice sessions Saturday mornings at Branch Brook Park. An impressive schedule is in the offing—including stiff competition from Upsala and Stevens Institute of Technology. With all but two of the lettermen returning this year and several promising freshmen to fill these vacated positions, the tennis team has high hopes for bettering last year's record.

**TENNIS**

**THE 1951 SCHEDULE**

- April 14 Fairleigh Dickinson
- April 21 Stevens Institute
- April 28 Montclair State
- May 5 Upsala
- May 12 Newark Rutgers
- May 19 Drew
- May 26 St. Peters
BOWLING

"Let's see, wind velocity—2 f.p.s., coefficient of friction—0.25, Reynolds' Number—12,500. . . . Now with a little left hand English it ought to hit the 1-3 pocket just right.

VOLLEY BALL

A tense moment in a typical intramural volleyball game as members of both teams follow the trajectory of the ball.

BASKETBALL

Civils glow with pride on winning the top honors in the 1949-50 Intramural Basketball Tournament.

BADMINTON

The "bird" is about to become the victim of a vicious forehand lob shot to the unwary defender's weak side.
The current edition of the intramural program featured the usual big three of basketball, bowling and softball, with participation reaching a new high of approximately one-third of the student body joining in the activities.

Directing the basketball league were Joseph Boylon and Dick Flanagan, while Dom Gurrera and Tom Brennan worked behind the bowling scene. Giant shares of credit are due these men for voluntarily conducting student programs at a sacrifice of many hours of time and energy.

Foremost in size was the basketball program, which this year involved thirty-seven sectional teams. The season was exceptionally long, with play continuing almost uninterrupted from October through March. The senior league was particularly strong, with last year's champs, CE8A, taking a fair amount of disrespect from the electricals, E8B, and the chemicals, CH8B. Individual students among these sections were Lenkeit, Madel and Van Kooy of E8B, and Boch, Fields and Gerlach of CH8B. Old reliables from CE8A were D'Emidio, Beiner, Gillespie and Schumm, the latter a weighty terror to the bench.

Two seniors, Sol Schrier and Bob Nadaskay, blossomed forth as referees and ruled the maple boards with considerable finesse and occasional frolic for which we are much indebted to them.

The energetic bowling league involved a smaller number of teams this year but its compactness created a very spirited body. Approximately sixty men have participated on a bi-weekly basis throughout the entire year on teams representative of sections. The lead has changed hands many times this fall between sections M5F, M5B, M5D, and the senior team ABC. Before the league will be concluded at the end of the year there is always the chance for a dark horse, for such is the character of the bowling league.

An innovation this year has been the selection of the top five bowlers in the league to represent the College in intercollegiate play. Tom Brennan, Jack Boland, Hal Wolf, Kurb Carlson and Jim Clark compose the team at this writing, with matches scheduled against Panzer, Rutgers, Newark State and Montclair. The intercollegiate program is a natural climax to the intramural program and is handled entirely by the league directors.
There was a boy, a very strange, enchanted boy—they say he wondered why this would go, that was so; he amused his family no end by dismantling the radio, washing machine, and vacuum cleaner, and then mixing all the parts together. He was clever, that boy. Always mechanically inclined, he used the second gear out of an old Model-T Ford for a teething ring. Sensing danger, his family tried to divert his interests by giving him toy doctor sets and law books to play with. But Junior proceeded to fashion a slingshot from the stethoscope and to pile the legal tomes into a kind of stairway to the cookie jar. His parents despaired at this; they foresaw their offspring's ultimate fate—he would become an engineer.

Our boy showed no signs of mental aberration until he graduated from high school. Junior's dad presented him with a ten-dollar bill with the suggestion that he spend it on his heart's desire. Women were very expensive in those days; he began to look for something else he could make. Junior wandered about, clutching the sawbuck to his bosom, and passed stores that sold footballs, cowboy suits, fishing rods, and lemon drops. Nothing attracted him until he spied a plastic-coated, rectangular object, etched with cryptic little lines and numbers and surmounted by a small glass window that slid back and forth. His eyes shone with weird light. He snatched up the instrument, paid the smirking clerk, and toddled homeward with The Thing—a slide rule.

When he showed his new found friend to his parents, his irate father ground his teeth. "Ten bucks shot to hell!" Mother cried for days. But it availed them not; Junior was determined to become an engineer and to study toward that goal at a great institution nestled snugly among the clothes-lines, back alleys, and garbage cans of Newark.

As a freshman at N.C.E., he found much to tax his ingenuity. He spent lots of time trying to find a comfortable position in those instruments of medieval torture called classroom chairs. Chem Lab attacked his nostrils with its pungent fragrance as he battled with time to finish an experiment, no mean feat in itself. Frontal planes and projection lines assailed him in the Drawing Room. His first lecture in Room 21-L acquainted him with a charming little habit of the Drawing Department. Junior spent that first hour counting rivets in ceiling beams and wondering if this were collegiate living. Down came the sledge when the prof announced, "Take out your paper, gentlemen. There will be a quiz at the end of this hour." Imagine. A quiz at the end of the first lecture. Oh, bitter, bitter injustice of it all. His first freshman year was full of such joys—calisthenics in the gym, happy hours in Physics Comp, insomnia during chemistry lectures, fierce battles with English grammar in theme class—fiercer battles with Prof. Grammar over the ambiguity of the true-false quizzes. The freshman year also initiated him to the intricacies of N.C.E. life—the milk line in the Commons, the Kaffee-Klatch at Dave's, the normal distribution curve, "mash" notes from the pros at Thanksgiving, Central High girls on parade, and the big bulletin board with the Student Mail List
and perfumed dance invitations. He attained a measure of "savoir-faire," about one-fifth bonded, when beloved June came 'round.

Golden Boy reappeared on the N.C.E. scene a full-fledged sophomore, and thus a true collegian. All he needed was a bevy of coeds. (He never noticed the presence or absence of females in his first bout.) He approached a drawn, haggard-looking fellow who was writing feverishly amid reams of paper and demanded to know where they kept the women. The bleary-eyed individual (he turned out to be a Junior) looked up briefly. There was no comprehension in his eyes. Then, without a word, the poor man returned to his scribbling. Little by little, our young friend came to realize that N.C.E. women were as scarce as the A's on his report card. Oh, what a foul plot to wreck his morale! But his interests soon turned to greater things—qualitative lab, where he had a cook book but never knew what was cooking; the dark secrets of calculus; more folklore in H.I.C.; more confusion in descriptive geometry, where it was proved that it's better to turn in three poor drawings in a period than one good one; his thrilling excursions into Newton's world in physics lab—his libido only bothered him ninety per cent of the time.

The Lab Annex was soon to be finished, and N.C.E. had acquired an ivy-covered, history laden, and very collegiate-looking building—Eberhardt Hall. The dear college was undergoing a metamorphosis right under our hero's saddle shoes.

Our boy somehow crowded a gag or two into his sophomore schedule. Rather unusual names—Raymond Boulevard, Chester Field, Ben Dover, Paul Bearer—began appearing on student rosters. And how about the day somebody took the rope off the pulley for the door to 21-L? A practical engineering problem arose—how to effect an entrance.

Time spun along, and before anyone threw a firecracker into the Weston Museum, it was once again June. It made him sad to leave N.C.E. for the summer. He was so sad he had to spend a whole night on the town to forget. "Savoir-faire" increased to four-fifths bonded.

The real fun started with the Junior Year. He was introduced to a little game played with slide rules, pens, and tons of paper (assorted). The game was called Writing Lab Reports. He learned much from this game. In two short months he could paraphrase whole chapters of a reference text in minutes flat. While his non-collegiate friends were out at all hours wasting time on women and all that stuff, the young engineer was home gaily dashing out page after curve sheet of another lab report. It wasn't so bad, no sir. Some nights he even went to bed. For an hour. Or two, if he were loafing.

When he wasn't too pressed by lab reports, Junior took time out to study. Or eat. Now and then he had a vacation. (vacation is a time when all the instructors assign only enough work to make you wish you were back in school.) He used his vacations to sharpen up for lab periods. You had to keep on the ball in the lab. There was one poor guy. He made a slide rule error and drowned in the weir tank. Another unfortunate in the electricity lab was hooked up to run on alternating current. He never got over the shock. But our boy, ever alert, carried on, singing his favorite song—"Summertime, when the livin' is easy. . . ."

He finally made senior. Worn, haggard, bowed, but not beaten, Junior girded himself for the last round. His instructors changed their attitude. One even offered his life if it would insure Junior's success. "If you get a degree, it'll be over my dead body."

So he got the degree!
Like it or not, we are living in an age of statistics. It is virtually impossible to pick up a newspaper or a periodical without being confronted immediately with charts containing lines of miniature workers (usually grasping wrenches) which are intended to reveal that 800,000 factory workers are in favor of a six-hour day, or some similar survey result. Not wishing to be snobbish, the Nucleus decided to jump aboard the survey bandwagon and circulated sheets among the students containing questions designed to provide some generalizations on the scholastic and social ideas and habits of the average N.C.E. student (an undefinable quantity, we admit). Firmly convinced that young engineers are not always pleased with graphs or miniature students clutching slide rules, we have decided to present the results in a more conventional manner.

N.C.E. is appreciated by the students mostly because it is clean, provides a good education at a reasonable cost, and is favorably located. The congeniality of fellow students was mentioned frequently as was the absence of final exams. A great many men declared they enjoyed the occasional distraction of a passing secretary. No landslide occurred in the teacher popularity poll, although the names, Moore, Capecelatro, Barkan, Estrin, the Salamone were leading the field. The average number of study hours per week was found to be 25, although one student confessed to 50 and another found 6 adequate. If we can induce this last man to publish his secrets,
we feel we can guarantee him a plush life of royalties.

Thirty-six per cent of our students have part time jobs which they feel curtails their studying and social time. When school and outside work are at last disposed of, the survey shows that the average N.C.E. man turns to music and books for his recreation (after first assuring himself that they contain no diagrams or derivations).

The much discussed issue of social time comes up for treatment now, and the results show that in spite of it all the average student does pretty well. Nearly all of those questioned found time to date once a week and many skipped out two or three nights a week. Fifty-five per cent of those questioned were either married or had steady girls. The average student, however, feels that he is not out enough and bitterly complains that school cramps his style considerably. Partial support of this opinion is provided by another portion of the survey which revealed that the average student had attended only 1.86 school-sponsored dances. (He almost made it to the second dance.)

Well, that's how Mr. Average N.C.E. student feels about the whole thing. We make no effort to draw a blanket conclusion from these results, remembering with grim respect the fate of Dr. Gallup, but it might be well to add a few pounds of salt to the five minute gripe sessions between periods in which we all eagerly participate.
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