THE 1927

KEM-LEC-MEK
FOREWORD

In publishing this, the fifth volume of the Kem-Lec-Mek, we have endeavored to sound the keynote of Progress. This is commensurate with the growth of the Newark College of Engineering, and it is our thought that as a college expands, its activities should grow with it. Any one who has followed the progress of the college for the past few years knows the truth of this, and will realize why we found it necessary to publish a year book considerably larger than any of the previous volumes.

We have strived to give a better idea of the college as it is, but have not attempted to lift the veil from the future and show Newark as it will be. If we have succeeded in thus portraying the spirit and ideals of the Newark College of Engineering, our mission will have been fulfilled, and the efforts of the Class of 1927 will not have been in vain.
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to
Herbert P. Gleason

In recognition of his invaluable services to the Newark College of Engineering and its students, this volume is respectfully dedicated
THE STAFF

S. WEINFELD
BUSINESS MGR.

S. FISCHMAN
ADVERTISING MGR.

W. J. OPDYKE
EDITOR-IN-CHIEF FOR 1927

E. S. REDMERSKI
CIRCULATION MGR.

V. H. RIPLEY
ART EDITOR

KEM-REPC-MER
1017

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THE ACADEMIC BUILDING

THE LABORATORY BUILDING
DUE to the increased enrollment in the College, it became necessary to add another building to the institution, in back of the Academic Building. A building committee of Mr. F. L. Eberhardt, chairman, and Messrs. H. M. Larter and W. L. Morgan, was appointed from the Board of Trustees to take charge of the matter. On June 11, 1926, work was started and progressed rapidly during the summer, so that it reached completion in January 1927. The premier social event to be staged in the new gym was the Sophomore Hop, held on January 22. On February 21 the building was officially taken over by the Trustees.

The dedication ceremonies for the Hall were held on Parents' Day, April 8, when it was christened Campbell Hall in recognition of the work of Mr. Peter Campbell, Vice-President of the Board of Trustees.

Campbell Hall is a four-story brick building. On the first floor are located the locker and shower rooms, a gas engine laboratory, and two meeting rooms for various organizations. The second and third floors contain the Faculty room, a drawing room, and nine class-rooms. On the top floor is the Gymnasium. This has a stage at one end to be used during convocations, and at the other a balcony. The gymnasium has a seating capacity of eight hundred, when used for meetings.

Newark is justly proud of Campbell Hall, its latest addition, which is a monument to that Progress which symbolizes the whole spirit of the College.
Progress

EIGHT years ago the Board of Trustees of Schools for Industrial Education of Newark, N. J., was given permission by the State Board of Education to institute co-operative college courses in engineering and to confer the degree of Bachelor of Science on those who successfully complete such courses. The college opened in September, 1919. A few weeks later the Board of Trustees selected the present Director, Allen R. Cullimore, who was then Dean of the Engineering Department at the University of Delaware, to take up the task of developing the young college. The history of the Newark College of Engineering throughout the seven and a half years of Dean Cullimore's administration is a story of progress, — slow, steady, thoroughly grounded progress, in keeping with the ideal of the trustees that quality, not quantity, should be the aim of the new college.

When quality is made of first importance in a college, increase in enrollment and in faculty is bound to come. This year over ninety freshmen, fully qualified, were selected from a long list of applicants—an increase of over one hundred percent over the number admitted in the first class, in 1919. Corresponding with the growth of the student body has been the growth of the faculty. The June meeting of the faculty at the close of the first year was attended by six men, all giving part time to the college; the final meeting this year will be attended by twenty men, all of whom give full time to college duties.

The progress of the college is most evident in the co-operative industrial work. In the summer of 1921, the director interviewed the heads of over a hundred firms in northern New Jersey in an effort to place the first group of students, about a dozen in number, in suitable places to get their industrial training. Since that strenuous summer, the group of "co-ops" has doubled and redoubled, and now seventy students are working in the shops, laboratories and offices of twenty-three of the largest and best-known firms in the state. The demand made on the college by industry for men to train is now greater than the college can meet, and the quiet, steady progress of the college has thoroughly "sold" the Newark Type of co-operative training of engineers to the industrial public.
THE GYMNASIUM, LOOKING TOWARDS THE STAGE.

THE FACULTY ROOM

A VIEW OF THE COLLEGE COMMONS.

A CLASS ROOM IN CAMPBELL HALL.

ONE OF OUR NEW CLASSROOMS.

IN THE LOCKER ROOM.

CAMPBELL HALL UNDER CONSTRUCTION.

THE COLLEGE.
LABORATORIES

MECHANICAL LAB - GASOLINE ENGINE

DRAFTING ROOM

MACHINE SHOP

ELECTRICAL LABORATORY

CHEMICAL LABORATORY

MECHANICAL LABORATORY - STEAM ENGINE

STRENGTH & MATERIALS LAB.
IN THE MACHINE SHOP

IN THE CHEMICAL INDUSTRY

IN THE ELECTRICAL INDUSTRY

FIELD WORK
STUDENTS IN CO-OPERATIVE WORK

ON THE RAILROAD
Co-operative Concerns

BAKELITE CORPORATION
CARRIER ENGINEERING COMPANY
CROCKER-WHEELER ELECTRIC MANUFACTURING CO.
DELAWARE, LACKAWANNA & WESTERN RAILWAY CO.
DEXTER FOLDER COMPANY
E. I. DuPONT DE NEMOURS & COMPANY
CARL EVERTZ
FILTRATION ENGINEERS, INC.
GENERAL ELECTRIC COMPANY
GOULD & EBERHARDT COMPANY
IMPERIAL LAUNDRY COMPANY
NILSON-MILLER CORPORATION
PROCTOR & GAMBLE MANUFACTURING COMPANY
PUBLIC SERVICE ELECTRIC & GAS COMPANY
RUNYON & CAREY, ENGINEERS
SINGER MANUFACTURING COMPANY
SPLITDORF ELECTRICAL COMPANY
WESTINGHOUSE LAMP COMPANY
WESTINGHOUSE ELECTRIC & MANUFACTURING CO.
WESTON ELECTRICAL INSTRUMENT CORPORATION
ZIELEY PROCESSES CORPORATION
RELIABLE TOOL COMPANY
GENERAL MACHINE COMPANY
Alumni

The Alumni Association of the Newark College of Engineering was formed in 1923 to perpetuate the spirit and ideals inculcated and fostered during the undergraduate years, realizing that the reputation and the future of the college rests upon, and is closely connected with the futures of those who have left its portals and gone forth into the industrial world. When a student receives his degree from the college, he is eligible to membership in this Alumni Association.

The graduate student body is fifty-six in number, after four years of existence, and is scattered from Maine to Louisiana, and from New York to Chicago. Among its members one may find mechanical, electrical, and chemical engineers, chemists, and production and time study engineers—men engaged in all sorts of work, from supervising electrical installations to managing a newspaper.

One of the Alumni is no longer active in its gatherings. The Association was deeply grieved to hear of the death of Herbert B. Pollard, one of the class of 1925, in July, 1925.

The present officers of the Alumni Association are:

Herman C. Hesse, '25 President
Edgar C. Fischer, '26 Vice-president
A. Granger Davenport, '25 Secretary
Henry O. Probst, '26 Treasurer
Philip G. Cobb, '25 Editor of the Alumni News

Four men from the last three graduating classes are candidates for advanced degrees in 1927. Ira Bergman, '24, and Lawrence J. Patterson, '24, will have conferred upon them the degree of Chemical Engineer; Frank W. Borman, '25, will receive that of Electrical Engineer; and Herman C. Hesse, '25, that of Mechanical Engineer.

Of these men, Mr. Bergman is employed by the Fox Film Corporation of New York City as Chemical Engineer. Mr. Patterson is connected with the Burgess-Forbes Company of Portland, Maine, in the capacity of chemist. Mr. Borman is with the Geophysical Research Corporation of New York, and is at present in Coushatta, La., where he is Field Chief on Geological Survey Work. Mr. Hesse is engaged in inspection work with the Singer Manufacturing Company of Elizabethport, N. J., and teaches at the Newark Technical School in the evening classes. Newark may well be proud of her alumni and their achievements in the field of engineering.
The Board of Trustees

Peter Campbell
Vice-President

Herbert P. Gleason
Treasurer

William L. Morgan

William C. Stobaeus

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Governor of New Jersey
President
The Board of Trustees

Samuel E. Robertson

Frederick L. Eberhardt

Halsey M. Larter

John A. Furman

Hon. Thomas L. Raymond
Mayor of Newark
The Board of Trustees

ACTING on the resignation of Dr. Samuel E. Robertson from our Board of Trustees, Governor Moore on March 21st appointed Mr. Felix Fuld to fill the vacancy.

Dr. Robertson in point of service was the oldest member of the Board and for a considerable time its head. He was associated with many of the activities which have resulted in the development of Newark into a metropolitan city. He was an active member in the Chamber of Commerce, President of the Dime Savings Institution, and until a short time ago President of the Newark Institute of Arts and Sciences, besides devoting much of his time and energy to the practice of his profession, being for many years on the Staff and on the Administrative Boards of several of the hospitals of Newark.

When it became necessary for him to curtail his activities he was prevailed upon to stay with us as long as he could. The Doctor felt it his duty not to serve unless he could actively serve, and when he insisted that he must leave us his resignation was accepted with the greatest of regret.

No man has been or could be more active than was Dr. Robertson in the affairs of our institution. To him we owe a debt which can never be paid. It is our hope that the institution which he so ably served may justify his faith and that he may see his vision a reality.

Mr. Felix Fuld is too well known to Newarkers to require an introduction. Associated with Mr. Louis Bamberger in the administration of one of Newark's great mercantile establishments, he is well known on account of his interest in all movements for the community good. Mr. Fuld, while actively engaged in work which has to do with matters of business and finance, is recognized as one of the leaders in the life of Newark in the large sense. He brings to the Board a point of view of great value, particularly at a time when engineers and technical men are beginning to appreciate the wider opportunities offered along the lines of business and finance. And no one who heard Mr. Fuld speak at the dedication of Campbell Hall can doubt that he will bring us, in addition to keen judgment and wise policy, a fine appreciation of the real problem of education. We are very happy to welcome Mr. Fuld on behalf of the College. We hope that as he learns to know us better, he may feel a real pride in our College and its ideals.

On Monday, March the twenty-first, Mr. John A. Furman, for many years a member of the Board of Trustees, passed away at his home in Newark.

He was appointed to the Board by President Wilson, then Governor of New Jersey. Mr. Furman was for many years active in the government of the city and in the politics of the state. He was intimately associated with the industrial development of Newark, being an executive of the Celluloid Company when it was one of the largest and most active of the industries of the city.

Mr. Furman served during the last years of his life on the Finance Committee of the Board and his wise judgment and unfailing interest in the development of the College of Engineering and the perpetuation of the Newark Technical School has been of great value to our institution.

As a man of wide interest and fine sympathies he has endeared himself not only to the members of the Board who served with him but to all who came in contact with him. In his death the College of Engineering has suffered the loss of an able trustee and a real friend.
ALLAN R. CULLIMORE, S. B.
Dean of the Newark College of Engineering

1907: Bachelor of Science in Civil Engineering, Massachusetts Institute of Technology; Dean, College of Industrial Science, Toledo University, 1913-17; Dean, College of Engineering, University of Delaware, 1917-20; Director Newark Technical School since 1920; Member American Chemical Society; Society for the Promotion of Engineering Education; Society for the Advancement of Science.
The Dean's Message

THE publishing of this year-book marks in many ways an important forward step in the development of our college. The erection of Campbell Hall not only provides increased facilities for instruction, but it makes possible many other things for which we have felt a great need. We have a gymnasium, a student commons, rooms to house our student professional societies, and the added class room space has made it possible to expand our present laboratories.

In the matter of numbers of students we have gone forward. With the largest Freshman Class in our history and the largest Graduating Class as well, the college is becoming an increasingly vital factor in the development of Northern New Jersey.

Of these things we are justly proud, and it is good to know that our physical equipment is keeping pace with our increasing student body.

We should not forget, however, that the real effectiveness of our college cannot be measured by numbers or students or by laboratories or class rooms. Supported as we are largely by the City and State, we must, if we are to meet our responsibilities to them, educate men well. Whether by the hundreds or the thousands, we must consider first of all the character of the work rather than its extent.

Our college has in the past, although small, stood for the highest of academic standards, for the most effective and arduous professional training. In its expansion these things are still the most vital things with which we have to deal. We of the faculty and you of the student body must realize first of all that our work here is work that this community demands.

How many men are called for is a question that time will definitely settle. Our immediate concern is to be assured that the men we graduate measure up to the highest possible standard. The quantity of the future demand will be determined definitely by the quality of our present graduates.

Our ultimate growth and expansion is therefore a responsibility that rests squarely on the shoulders of our graduates.

To those of us who remain after you of 1927 leave us, the way is clear. We must see to it that nothing in our development overshadows or changes our real ideal. We must strive for the effective development of men of strong character, well trained as engineers.
JAMES C. PEET, E. E.
Professor of Electrical Engineering
BScE; ΣX; Electrical Engineer, Syracuse University, 1903; Member American Institute of Electrical Engineers; Society for the Promotion of Engineering Education; Essex Electrical League.

V. T. STEWART, S. B., B. S.
Professor of Chemical Engineering
BScE; Bachelor of Science in Chemistry, Syracuse University, 1905; Bachelor of Science in Chemical Engineering, Massachusetts Institute of Technology, 1914; Member American Chemical Society; Society for the Promotion of Engineering Education; American Oil Chemical Society; Deutsche Chemische Gesellschaft.
J. ANSEL BROOKS, PH. B., M. E.
Professor of Mechanical Engineering

Bachelor of Philosophy, Yale, 1898; Mechanical Engineer, Yale, 1901; Member American Society of Mechanical Engineers; Society for the Promotion of Engineering Education; Society for the Advancement of Science; Yale Engineering Association; Taylor Society.

HAROLD N. CUMMINGS, A. B., S. B.
Professor of Applied Mathematics

Bachelor of Arts, Bates, 1906; Bachelor of Science in Civil Engineering, Massachusetts Institute of Technology, 1910.
H. GRAHAM DeBOIS, A. B., A. M., Ph.D.
Professor of English
Bachelor of Arts, Johns Hopkins University, 1912; Master of Arts, Columbia University, 1923; Doctor of Philosophy, New York University, 1926.

FRANK N. ENTWISLE, C. E.
Professor of Physics
ΦBK; Civil Engineer, Princeton University, 1912; Member Society for the Promotion of Engineering Education.

BEDROSS KOSHKARIAN, A. B., A. M.
Associate Professor of Applied Mathematics
Bachelor of Arts, Euphrates College, 1903; Master of Arts, Yale University, 1912.

JAMES A. BRADLEY, A. B., A. M.
Associate Professor of Chemical Engineering
ΔΧΣ; Bachelor of Arts, 1914 and Master of Arts, 1920, Harvard University; Member American Chemical Society; Association of Harvard Chemists; Boylston Chemical Club.
FREDERICK D. CRANE, A. B., A. M., Ph.D.
Associate Professor of Organic and Industrial Chemistry
Bachelor of Arts, 1893 and Master of Arts, 1895, Union College; Doctor of Philosophy, 1898, Johns Hopkins University; Fellow, American Institute of Chemists; Member American Chemical Society; Society of Chemical Industry; American Electrochemical Society; Chemistry Teachers Club.

ALBERT A. NIMS, B. S., E. E.
Associate Professor of Electrical Engineering
ThPi; ΣΩ; Bachelor of Science, 1908, and Electrical Engineer, 1911, Worcester Polytechnic Institute; Associate Member American Institute of Electrical Engineers.

A. PERRY ROBERTS, M. E.
Assistant Professor of Mechanical Engineering
Mechanical Engineer, Stevens Institute of Technology, 1919; Member American Society of Mechanical Engineers; Society for the Promotion of Engineering Education; American Welding Society; Society of American Military Engineers; Officers Reserve Corps.

F. W. LAVENBURG
Supervisor of Industrial Relations
Supervisor Newark Technical School
H. H. METZENHEIM, B. S., E. E.
Instructor in Mathematics and Electricity
Bachelor of Science, 1917 and Electrical Engineer, 1920, Cooper Union; Member American Institute of Electrical Engineers; Society for the Promotion of Engineering Education; New Jersey Society of Professional Engineers and Land Surveyors.

PAUL E. SCHWEIZER, M. E.
Instructor in Mechanical Drawing and Machine Design
Mechanical Engineer, Polytechnic Institute of Brooklyn, 1923; Member Society of Automotive Engineers; American Society of Mechanical Engineers; Society for the Promotion of Engineering Education.

JOHN R. BOYLE, B. C. S.
Instructor in Accounting
Bachelor of Commercial Science, New York University 1920; Eastern Teachers Commercial Association.

M. S. WATERS, A. B., M. A., B. D.
Instructor in English
Bachelor of Arts, 1887 and Master of Arts, 1890, Thiel College; Bachelor of Divinity, McCormick Theological Seminary, 1890; Member Sons of American Revolution; New Jersey Historical Society; Pastor Grace English Lutheran Church, Newark, N. J.
DOUGLAS BAKER, M. E.
Instructor in Mechanical Drawing
Mechanical Engineer, Stevens Institute of Technology, 1915; Graduate, Engineers School of the United States Naval Academy, 1919; Member American Society of Mechanical Engineers; Society for the Promotion of Engineering Education; Rice Chess Club.

FRANK E. McKONE, B. S., M. S.
Instructor in Electricity
ΘΣ; Bachelor of Science in Electrical Engineering, University of New Hampshire, 1909; Master of Science Massachusetts Institute of Technology, 1917; Member American Society of Mechanical Engineers; Society of Automotive Engineers; American Institute of Electrical Engineers; Aero Club of France.

PAUL M. GIESY, B. A., M. A., B. S., PH. D.
Instructor in Chemistry
ΦΒΚ; ΣΣ; Bachelor of Arts, 1910, Master of Arts, 1912, and Bachelor of Science in Chemical Engineering, 1912, Ohio State University; Doctor of Philosophy, Columbia University, 1920; Member American Chemical Society; American Pharmaceutical Association; American Institute of Chemists; Society of Chemical Industry.

OFFICERS OF ADMINISTRATION

ALLAN R. CULLIMORE
Dean of Faculty
H. GRAHAM DuBOIS
Secretary of Faculty
JAMES A. BRADLEY
Assistant Dean
LILLIAN M. SCOTT
Secretary to the Dean
JAMES L. TERYHUNE
Superintendent of Buildings

MARGARET A. YATSKO
Recorder
EDNA SCHNEIDER
Librarian
GRACE E. CAFFERTY
Clerk
NORMA NEARING
Clerk
A Problem Without an Answer

At seven years, a cop he'd be,
More joy than this he couldn't see.

At seventeen 'twas joy complete,
To rival Rudolph's dancing feet.

At twenty-five - a car, a wife,
What more could man want out of life?

At forty-two, still at the game,
Real happiness was wealth and fame.

At sixty-nine - a wiser man,
He had two strikes, but wouldn't fan.
His time was up, his race was run,
But life he felt had just begun.
True happiness he'd find at last,
For rest and ease were unsurpassed.
But while he went in search of rest,
Death overtook him in his quest.

With quests like this men's lives are spent,
When joy complete is but content.
But neither bliss, nor pure content,
Can earth produce or man invent.
Such is life - a problem, man,
For you to solve as best you can,
One way is short, another long.
But this is sure - that all are wrong.

John E. Kane '27
THE COLLEGE YEAR

THE JUNIOR PROM

THE SOPH-FROSH BATTLE

THE SOPH HOP

THE FRAT DANCES

PARENT'S

THE SENIOR BALL

A.S.'28

DAY
WHERE’S your freshman cap?”, “That tie isn’t green!”, and “What’s your number?”, were familiar words to all Freshmen the first few weeks of school. It seemed that whenever two or three Freshmen got together, there were a dozen or so Sophomores present to see that they did not break the “Twelve Commandments.” The first day of school, September 20, was an eventful one for the incoming Freshmen. They were herded together, furnished with the regulation caps, bright green ties, and large red tags with distinguishing numbers on them, and then forced to parade through the main streets of Newark. They seemed proud rather than insulted, however, for at least they were attracting the attention of everyone in the vicinity.

During the next two weeks, the rules were strictly enforced by sweatshirted Sophomores who ran wild after the yearlings. The official hair clippers were kept busy, and not content with cutting their victims’ hair, the men of ’29 painted their trademark on the Freshman craniums.

The Frosh got back in the best way they could—by winning the annual classic, the Freshman-Sophomore football game. It was a dramatic and exciting contest. During the first three quarters, neither team got a point; and it looked like a scoreless tie. The Frosh, however, were not to be denied, and in the final period took the ball straight down the field for the only touchdown of the game; then added the extra point to bring the score to 7-0.

Having won the game, the Freshmen could exchange their white socks for black; but when they tried to leave off their trick caps and ties, the fun began. The Sophs kidnapped one Freshman, and he walked home minus his socks. They kidnapped another, and marooned him on an island in the wilds of Branch Brook Park until a policeman came along and rescued him. Gratis haircuts were passed around promiscuously.

The Freshmen remembered that in union there is strength, so they kept together in their fights with their enemies, with more or less success. Of these disputes there were several, some individual and some general, but owing to the Dean’s urgent request, little if any blood was spilled on the front steps.

With the arrival of the Christmas holidays, both sides gave up the struggle, and decided to emulate the Junior and Senior classes and act like human beings, like the men the College hopes to make of them eventually.
The Junior Smoker

WHEN the smoke of battle had cleared away after the Freshman-Sophomore football classic, the thoughts of all students were turned to the traditional Junior Smoker. Every year the Juniors honor the victors of the first athletic clash between the Freshmen and Sophomores, with a smoker held the night of this football game. This year, with the largest Freshman class in the history of the College, the class of 1928 branched out into the Kreuger Club Auditorium instead of the smaller N. J. Auto Club, where many enjoyable Junior Smokers have been held.

With a hard-earned victory safely tucked away, there were rumors that the Freshman class was eager to test its supremacy. It was reported that the class of 1930, taking advantage of superior numbers, was going to kidnap some, if not all, of the Sophomores soon after the game, and keep them locked up during the Smoker. However, one of the Sophs overheard these plans, and as a result, the men of '29 journeyed to the Kreuger Auditorium in a body, ready to repel the attack—which, however, did not materialize.

It appeared as though everyone was at the Smoker. There were the Freshmen minus their white socks, and in some cases without caps and green ties; the Sophomores, all of them; the Juniors, hard at work distributing smokes, corncob pipes, etc; the Seniors, displaying their usual Senior dignity; and the Alumni, relating their experiences since graduation to one another.

Aided by the example set by the upper classmen and alumni, the Sophs and Freshies subsided, responding to the call for order made by R. M. Meyer, the Junior Class President. In the haze of all kinds of tobacco smoke, the Freshmen went through their individual tales of woe—each telling his name, high school (accompanied by cheering or boo-ing according to the sentiment of the audience), college course, athletics, reason for attending college, and a funny story. A few preferred singing to telling a joke.

These tales were interrupted by a hearty and appropriate message from Dean Cullimore. He was followed by Professor Roberts, the track coach, who spoke on the track team, urging all Freshmen to respond to the call for candidates, and gave some advice to the new men concerning their conduct at college dances.

The Sophs then avenged themselves on the rest of the college by presenting an act starring Messrs. DeSchryver and Clarendon, and depicting the sale of an up-to-date car. After several blow-out, the car was finally sold.

A combination of doughnuts and cider awake, but full of spirit session which followed, numerous stories which were, naturally, a little hard to believe. No one will ever forget the monster steam-boat "Jim Johnson," whose smoke-stack was so large that a Ford consumed five gallons of gas travelling around the base in high gear.

Harmonious (and otherwise) singing brought about the climax to another never-to-be-forgotten Junior Smoker.
Parents' Day

APRIL 8 was the occasion of the annual Parents' Day at the Newark College of Engineering. This event, usually held just before the Thanksgiving holidays, was moved forward this year so that the dedication of Campbell Hall might be made a part of the order of the day. With nearly two hundred students enrolled, a large influx of visitors was expected and materialized, to find out what their boys did and learned in college, and who taught them.

The committee in charge of this program was headed by Sidney Weinfeld, '27, and was composed of men of the two upper classes. As visitors entered the Academic Building they were shown through this building, then the Laboratory Building, and lastly Campbell Hall; and then they were seated in the gymnasium until the ceremonies were ready to begin. The college orchestra had taken its stand there, and played until 10:00.

At this time the dedication ceremonies for Campbell Hall began, in the gymnasium. Dean Cullimore gave a short introduction, and was followed by Mr. F. L. Eberhardt, Chairman of the Building Committee. Mr. Peter Campbell, President of the Board of Trustees, in honor of whom the building was named, spoke of the growth of the College, and praised the work of Dean Cullimore. Mr. Felix Fuld, the newly-appointed trustee, and Dr. Wesley A. O'Leary, Assistant Commissioner of Labor of N. J., also spoke.

Dean Cullimore proceeded with the presentation of athletic awards. The following men were awarded the Varsity "N": E. Weinstein, basket-ball captain 1926-7; E. Bush, captain 1927-8; C. Luneski, J. Townsend, G. Beltaire, J. Irving, and A. Puiishes. Patton, Joerren, Crawley, Van Houten, Melick, and Goeltz received the Junior Varsity "N". Awards of the "NCE" letters were made to Bochner, Beveridge, DeSchryver, Irving, Meyer, L. Walker, and Weidig. Class numerals were given out as follows: 1929—Forcello, Handzo, Orrel, Philipson, Weisleder, Schwarzwalder, Wagner, and Lenk; 1930—Colson and Melick. J. Kane, basket-ball manager for the past season, was presented with his "N" just before the basket-ball game which followed. The final award was the presentation of the cup donated by the organization now known as Alpha Chapter of Alpha Kappa Pi Fraternity, to the class winning the intra-collegiate basket-ball series—in this case, the class of 1930. Following this, all adjourned to the College Commons where an enjoyable buffet lunch was served.

The Freshman-Sophomore athletic events began at one o'clock with the basketball game. The Frosh started with a substitute team of H. Drake, J. Opdyke, Hazell, Danton and Brannigan, against the Sophomore team of Luneski, Puiishes, Joerren, Townsend, and Irving. When six points behind in the first quarter, the 1930 team was replaced by their regular squad of Goeltz, Melick, Crawley, Van Houten, and Beltaire, which began to cut down this lead, giving an 11-8 score in the first half. In the second half the Freshmen showed their supremacy, coming from behind to win by a 32-23 score.

They continued this winning streak into the cane sprees, in which Ehret, '30 defeated Lenk, '29 in the lightweight class; Wagner, '29 defeated Ehresman, '30 in the middleweight; and Falk, '30 wrested the cane from Weisleder, '29 in the heavy-weight—giving the men of 1930 a two-out-of-three victory. All the contests were very short.

This concluded another Parents' Day program, a highly successful one from the standpoint of all, especially the Freshman Class.
One of the leading affairs on our social calendar was the Junior Promenade of the Class of 1928. This year's Prom was held at the Glen Ridge Women's Club, on February 25, and was a pronounced success, despite the inclement weather.

The guests of honor were Professor and Mrs. Albert A. Nims, the former being the advisor to the Class of 1928. The members of the Faculty and of the Senior Class were also guests of the Juniors. The Dean and Mrs. Allan R. Cullimore, Prof. and Mrs. H. N. Cummings, Prof. and Mrs. F. N. Entwistle, and Prof. and Mrs. J. A. Bradley acted as patrons and patronesses of the Prom.

After enjoying the melodious music of the Jack-O-Lantern orchestra, no one wanted to leave when they heard the final notes of "Home Sweet Home."
THE SENIOR BALI, COMMITTEE

I'ATTON JENKINS HULL,

THE Senior Ball, the last social event given by the Senior Class, has come and gone, leaving fond memories to those who attended. May 6 was the date of the 1927 Ball, which was undertaken on a larger scale than hitherto attempted, and for that reason surpassed the efforts of former classes.

The Grand Ballroom of the Mosque Temple, of Newark, was the setting for this elaborate occasion. The famous radio broadcasting orchestra, the Ipana Troubadours, furnished the music that quickened the pulses of all, and made the blood run to a jazz tempo. Favors, in the form of powder compacts with the college seal engraved on them, were presented to the ladies.

Men of note in both city and state were present as guests of honor, in the persons of the Hon. A. Harry Moore, Governor of N. J.; Hon. Thomas L. Raymond, Mayor of Newark; Hon. Franklin Fort; and Commissioner Howe.

The committee in charge of this affair was composed of W. R. Hull, chairman; E. S. Redmerski, H. G. Patton, R. W. Jenkins, and H. Tobler, Jr.
B A ☞ Fraternity Dance

On the evening of November 26, 1926, the Beta Alpha Theta Fraternity held its fourth annual Winter Dance, the first social event of the school year. The spacious ball-room of the Glen Ridge Women's Club served to make the dance, like its forerunners, a complete success.

A pleasing program of dances was carried out. The dance favors presented to the ladies were small perfume vials bearing the initials of the Fraternity engraved upon them. The patrons and patronesses were Dean and Mrs. A. R. Cullimore, Professor and Mrs. H. N. Cummings, Professor and Mrs. J. C. Peet, and Professor and Mrs. J. A. Brooks.

The committee in charge was composed of H. G. Patton, chairman, L. Dunn, R. M. Meyer, J. Hequembourg, and M. Mitchell.

Sophomore Hop

The initial social event in the new Campbell Gymnasium was given on January 22, by the class of 1929, when they staged their Sophomore Hop. The room was decorated with the college colors, red and white, whose beautifying effect was blended with an atmosphere of potted palms and dimmed lights. Everyone had a pleasant time and it was considered that this was one of the most successful affairs ever held by a Sophomore class.

The important event of the evening was the presentation of the class banner to the college. This will be placed permanently in the gymnasium in honor of the class.

The Frolickers Recording Orchestra was engaged for the dance by the committee which was composed of M. Mitchell, W. Kastner, V. Drake, A. Puishes, and R. Schwarwalder.

A K II Fraternity Dance

On April 8, Alpha Chapter of the Alpha Kappa Pi Fraternity held its annual Spring dance, which undoubtedly came up to the usual high standards set by the social events of this organization.

The ball-room of the Washington served as the scene for this brilliant affair of the year, and the Brayburn Country Club Orchestra furnished the music. These two factors conspired to make the evening pass all too quickly.

The patrons and patronesses were the Dean and Mrs. A. R. Cullimore, Mr. and Mrs. P. H. Schweizer, and Rev. and Mrs. A. H. Wilson. The committee which worked to make this affair successful was composed of W. Falconer, chairman, J. Roche, C. Shaffer, L. Balenson and G. Dorn.
Alma Mater

-1-

Loudly proclaim it, re-echo the story
Of training and learning, her goal and her aim;
With voices resounding, sing of her glory,
The pride that we feel at the sound of her name.
Newark shall ever stand,
Fairest in all the land,
No peer to be found from equator to pole.
High are her standards — new,
Worthy her ideals, too.
Men that are leaders do answer her roll.

-2-

Proudly her sons from those halls have departed
To take their just place in the battle of life.
So steadfast of purpose, with zeal never failing,
They’ve ever been victors - though bitter the strife.
Each one to thee has shown,
Failure’s a thing unknown,
Success is their object to earn by their might.
Such are all Newark men—
All praises to Newark then,
Praise to the teacher – to Newark her right.
Praise Alma Mater, her well-earned right.

J. E. Kane ’27

(Words set to old Irish Tune “O’Donnell Aboo”)
Class of 1927

OFFICERS

Harry W. Dierman  ...  President
Louis Balensen  ...  Vice-President
Edward S. Weinstein  ...  Secretary
Lawrence E. Koch  ...  Treasurer
Malcolm E. Runyon  ...  Asst. Treasurer
Prof. A. Perry Roberts  ...  Faculty Advisor
Chronicles of the Class of 1927

NOW that we have reached our goal, graduation, we can look back on the past years with a feeling that we "have not lived in vain." Step by step, year after year, we have taken part in and aided the College's progress, and our achievements shall stand as monuments to our success. But we shall cease our paean of praise, and revert to the recording of these events.

In September, 1923, we matriculated into the college, some sixty strong. We soon organized and elected Professor Roberts as class advisor. We were given copies of the Frosh rules, which we immediately attempted to break, with various results—witness Weinstein's hair-cut. This was an early indication that the class of 1927 could not be kept under restraint. The next thing on hand was the football game with the Sophs, which we won, 19 to 7. Of course we celebrated at the Junior Smoker that night.

The intra-collegiate basket-ball league was formed, in which we entered three teams. One of these won the college championship, defeating our hated rivals, the Sophs. On Parents' Day we cleaned up at cane sprees, but lost the tug-o'-war. The fact that we also lost the tug-o'-war in our Sophomore year shows that we had skill rather than brawn. Our team in the interclass baseball league ended in second place.

Not only did we shine athletically, but socially as well. Our Freshman Dance was so successful that none of the following classes have ever attempted one, knowing that they could never come up to our standards.

Final exams came and went, taking with them several more men from a class already reduced in numbers by the ravages of time and the mid-year examinations.

The second year was begun by browbeating the Freshies into submission to the rules. We defeated them in football, 19 to 0; this was enough to make them "forever hold their peace." We followed this up again winning the college championship in basket-ball and defeating the Frosh at cane sprees. In January, our Sophomore Hop was given, and proved as successful as our first dance.

In baseball we were not so good, even though we used our famous reversible battery of Koch and Pico. The Freshmen defeated us twice, placing an unremovable stain on our escutcheon.

We began our third year in a saddened state of mind, grieving at the loss, by death, of one of our finest classmates, George W. Ditzel. An influx of new men compensated for those who dropped back to the class of '28. Co-operative work made it harder to assemble winning athletic teams; so we were not quite so successful as in our first two years; although we went through the interclass basket-ball schedule without a defeat, only losing the championship because of the use of ineligible players. We played but one game of baseball, and lost that.

During this year we got our first dose of co-operative work, in the foundry, machine shop, laboratory, or drafting room. We felt that this was undoubtedly of great benefit to us, not only because of the experience we gained, but because it helped to diminish our rapidly swelling heads. Nothing will do this quicker
to a somewhat conceited young man, than to have a hard-boiled foreman tell him that his work is "rotten."

Our major social activities this year were the Junior Smoker and the Prom. The former was very successfully carried off at the New Jersey Auto Club, Newark, and introduced the new Freshies to the social life of the College. The Promenade was held at the East Orange Women's Club on February 19, and was easily the best and most successful ever given. Other classes may argue this, but we're publishing this book. One of our important Junior achievements was the handling of the "Newark Technician." This monthly publication was for the first time put under student management, and naturally, a staff from the class of 1927 was chosen for this work. Considering that this was the first year that the "Technician" was thus put out, we did very well.

Finally, after years of arduous effort, we reached the noble status of Seniors, and thought to rest a time, the while we gazed at the petty activities and bickerings of the three lower classes. But lo and behold! when we reached the heights of Parnassus, we discovered them covered knee-deep with assignments for Seminar, Management, and Mechanical Engineering reports, procedures for experiments, and all sorts of books to be outlined for future use by our children. With long sighs of despair we again girded up our loins and set to work to dig ourselves out of this. By application of the many principles of Scientific Management we just succeeded in so doing by the time our final exams came around, although it looked at times as though "Joe Scholarship" had us beaten.

With all these weighty matters in our heads, we had little time for developing winning athletic teams, which accounts for our inglorious record as a class, on the basket-ball court.

Outside of our studies, we concentrated on the "Kem-Lec-Mek" and the Senior Ball. This volume is, we hope, adequate proof of the success of the former activity; and the success of the latter is chronicled elsewhere on these pages. We need say no more on these matters—let results speak for themselves.

We feel that as a class we have done remarkably well in our work, both scholastic and extra-curriculum, in connection with N. C. E.; and as we stand on the brink of graduation we can only pray that we may succeed at least as well in our future work as Engineers.

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In Memoriam
GEORGE W. DITZEL
IN LOVING REMEMBRANCE OF OUR CLASSMATE
WHO DIED JULY 6, 1925.
LOUIS BALENSON, AKII
862 Hunterdon Street, Newark, N. J.

"Louie"

Course:
Chemical Engineering.

Co-operating Concerns:
Proctor & Gamble Mfg. Co.
E. I. DuPont de Nemours & Co.

Activities:
Football 1, 2; Basket-ball 1, 2, 3, 4;
Baseball 1, 2, 3; Class Vice-President 3,
4; President Student Branch A. C. S. 3,
4; Circulation Mgr. of "Newark Techniclan" 3; Chess Club 4.

"Let me have about me men that are fat."

FROM the large amount of exercise this man indulges in, you would hardly imagine he could be so fat. His athletic proclivities have not yet tended to reduce his weight any, although those who know declare that with one more summer in the kiln room at DuPont's he will fall away to a ton. But his very size was of much advantage to him in football and in basket-ball, the way he often played it. To stop a runner with the ball he had merely to stand in front of him.

In his thoughtful moments Louis is a scholar and a player of chess and bridge. His ability at chess was signally recognized when he was selected for the Varsity Team. He plays an excellent game of bridge when his partner gets the bid. This is really a great accomplishment, as it enables him to run an Orsat and play bridge at the same time.

About his flivver—this is one of the worst wrecks ever seen on the campus, and needs only a few "wise-cracks" painted over the body to make it a typical collegiate can. Nevertheless it runs, although if he put a new spring in it, it would not take so long to wind it up and it would go farther on one winding, thus saving Louis much time which he could spend in less strenuous but more profitable pursuits.
LEW is one of the entrants from the Newark Technical School, and it was not until 1925 that our class was honored by his presence. He has not allowed his late entrance to affect his relations with the college, and he is not only popular in his class, but active in the organizations of which he is a member.

To test out his mechanical ingenuity, Lew occasionally endeavors to rearrange the moving parts of his car. Since he has been studying waste elimination, it is rumored that he is busily engaged in the construction of a metallic basket, which will be strapped under the car. The purpose of this is to catch the bolts, nuts, scrap iron, etc., which heretofore have been strewn on the highways leading to the coast.

Frequently, the remainder of the chemical division in which Lew works, has found it convenient to take the easy problems and pass the "heavy" ones on to him. His ability to make pounds mols get into line has saved the sections from an O-grade more than once.

With such a slogan as "Life is short and time is fleeting", one wonders how he found time to become an expert in bridge and chess. But such he has done. He not only is a close rival of the class' best chess players, but at bridge he is even better and bids fair to become one of the champions of the school.
If in your wanderings about the Newark College of Engineering you ever chance on a large volume of silence, you may be sure that somewhere within this space is the figure of Arthur Booth. Like a few other of his contemporaries, Booth is noted for his ability to keep his mouth shut even in the most trying situations of a class meeting; having, to our knowledge, but once let the veneer of silence slip off and reveal the true soul of the man beneath—in Contracts and Specifications class.

Because of his silence, and the fact that we have only enjoyed his presence for two years, we know little about this man. We surmise, though, that he lives, breathes, and errs like the rest of us; although he keeps his little steps from the path of righteousness, as very dark secrets. His main fault, as far as we can determine, lies in his absolute belief that all of his hypotheses are correct—which has been exploded more than once, but not sufficiently to destroy the illusion in his own mind.

Booth is rather hard to classify. His athletic proclivities, if any, are unknown to us, and his scholastic record is not such as to win him a unanimous invitation to Phi Bet. Nor does he attempt to assume in any way the role of a ladies' man, despite the stories we have heard. His college activities are few, and as the result of all these deficiencies, Arthur gets plenty of opportunity to study the works of Balzac, Boccacio, De Maupassant, and Nietzsche, some of his favorite authors.
CENCI has always been a rather quiet chap since he joined the ranks of the class of '27, but notwithstanding this secrecy of his, we have been able to discover the main one of his activities outside of school hours. Cenci's favorite haunt is the movies. We don't know whether he has a secret ambition to be a star eventually, or whether he "gets" his home work better after an evening at the cinema, but nevertheless he has already gained the distinction of being a movie bug.

As for Tony's activities at school, we cannot help associating him with his faithful "side-kick" Cunliffe. These two boys have been paired together in the electrical laboratory and seem to get along very well. This may be due to their similarity of stature.

In the co-operative industry, Cenci sells his services to the General Electric Company. He has learned a good many valuable things from his companions there. It has been rumored that he has been influenced by his associates in the G. E. to go farther into the depths of electricity than an engineering course offers. He intends to take a correspondence school course in a couple of years and become an electrical expert, play around with big dynamos, and make $10,000 a year. At any rate, we have seen him reading correspondence school ads in the magazines, and perhaps he wants to be in line for these big pay positions.
WHAT are the bugles blowin' for?" said Files-on-Parade. We wonder whether that is not what our friend Paul thought when he was at camp last summer. You see, "Tiny" is somewhat of a soldier, and a Boy Scout as well, so we should expect a certain amount of soldierly conduct and discipline from him. But alas, it seems as though he will never grow up. We do not know whether this is really his fault, or caused by constant association with Cenci. But you must remember, Paul, you are a big boy now!

Nevertheless, we have a lot of faith in Paul, and we shall not be at all surprised, when someday a one-tube radio set that will reach China is invented, to learn that this is the brain child of our classmate.

Frankly, though, what he doesn't know about radio tubes isn't worth knowing. Naturally he is interested in radio reception, and he asserts that this is very poor in Glen Ridge. But we understand that recently he has been spending considerable time in Verona—listening to someone else's radio. Does her radio really receive any better than your own, Paul?

One virtue that this youth possesses is that of never being affected by the heights to which he rises in this world. Only last summer, he rose to an altitude of 3,000 feet in an aeroplane, but this year he acted as though he had never risen above the level of his classmates.
BARNEY DIEBOLD, AKII
197 Kearny Avenue, Kearny, N. J.

“Mickey”

Course:
Mechanical Engineering.

Co-operating Concerns:
Dexter Folder Co.

Activities:
Track 3, 4; Member Student Branch
A.S.M.E. 3, 4; A.A. Representative
4; College Orchestra 4.

“Music hath charms that sooth the savage breast.”

WHO is this youth with the cynical smile, and a dimple in either cheek?
Gaze upon his face again, for this is the great Barney Diebold, athlete, musician, scholar and gentleman. In extenuation of these compliments, let us say that we know the truth of the first two, although several members of the Faculty might argue the third, with perhaps righteous zeal. As for the fourth—well—we are liberal-minded.

Barney came to college with the thought that it was far more profitable, if you were only going for two years, to attend the last two rather than the first. Consequently we were not joined by this mortal until the first part of our Junior year, when he entered as a full-fledged Newark Technical School graduate along with his life-long pal Redmerski. He early distinguished himself by his application to his studies, although, for some unknown reason, his marks were never high. When the Track Team was initiated in 1926, Barney, with a laudable school spirit, went out for the quarter-mile. He ran in most of the meets, and gained a lot of experience.

Barney had to live in Pearl River, N. Y. while cooperating, but he felt perfectly at home, as this small manufacturing town in the backwoods was so like Kearny. He used his spare moments to play in the the famous (?) Tamiamia Quintet and to become acquainted with the fair sex. He has succeeded in both endeavors, and is now favorably known in all the towns within ten miles of Pearl River. Such popularity must be deserved.
THIS honest, ruddy-faced country boy, an unspoiled product of the wide open spaces of North Jersey, first distinguished himself among us in the class room. With very little effort he easily outstripped us all in things scholastic, and was in imminent danger of degenerating into a genius. But Harry averted this catastrophe by entering into the social and athletic life of the college, and making about the same mistakes as the rest of us, and perhaps more.

His outstanding characteristics are quietness, coolness under trying circumstances, (see Opdyke), and a constancy of purpose which mark him as a man upon whom responsibility is naturally placed. We feel that he must realize this and capitalize it to some extent, as his line with the women is always of that "strong silent man" type. Perhaps he has found that effective—anyway, it's safe

It's really hard to dig up anything bad about Harry as he buries his dead good and deep. However there is something significant in the fact that he is training his "Chevie" for a transcontinental tour, by nocturnal flights from home to Edgewater or to East Orange. Surely no ordinary girl could spur this steady man to such activity—Hm-m-m! Our demon statistician reports that with the array of traits and accomplishments here listed Harry is a likely candidate for professional success and early marriage.
"Les" is one member of our class who delights in verbal combat, particularly with a professor on some subject neither knows anything about (yes, there are a few subjects with which Dunn is not actively acquainted). In a way, though, he does not argue, for he merely states his facts so emphatically that if they were ever only partially right, there would be no room left for argument. That is all the more reason, of course, why his opponent begins to argue, rather than accept such an emphatic statement, while Les listens with unruffled mind because he is absolutely sure that he could not be wrong.

Dunn's other talents are many and varied, and illustrate that quality of perseverance or stick-to-it-ness that he possesses to a large extent. In basketball and track he tried hard to star but was not so successful as in his major sport, chess. His ability at this game was demonstrated by the fact that he was chosen from among the crack players of the Chess Club to play on the "Varsity" team in whatever inter-collegiate matches were played. Just how much of an honor this is we are not prepared to state at present.

We see Lester in the future as an expert testifier for the Public Service in their damage suits. From his present defenses of the actions of this corporation, his course there should be brilliantly successful.

"For even though vanquished, he could argue still!"
JOHN entered N. C. E. with one purpose—to become a Chemical Engineer and has allowed nothing to shake his purpose, and has done nothing that did not help him in his avowed work. A quiet fellow, he is well liked by his classmates because this silence is not used to hide a lack of knowledge as is often the case in others; but because he feels that unless you have something worth while to say, don’t say it.

His tenacity of purpose has been transferred to his “Chevy” coupe which comes to a dead stop all by itself in North Newark every morning at 8:40. Jawn also used this car to collect all sizes of nails, tacks, and screws, and will soon be able to open a large hardware store.

As a relaxation from his scholastic labors, John indulges in athletics. He has always been a mainstay of one of the class basketball teams every year, his height being a distinct advantage. His unerring aim is well known—he can aim for the basket and break a window any time, which is an art in itself. At baseball also he starred in his freshman and sophomore years.

Judging by his success in his courses at college, Drukker should be a success as a Chemical Engineer. Who knows but what some day the world will rock on its foundations with the news that John has discovered how atomic energy may be used, and the crowds flock to his lab in the wilds of Passaic, leaving the notorious mouse-trap man all alone in his house in the woods.
EDDIE hails from the bonny shores of England. Having considered this small island as a rather limited stamping ground in which to develop and use his engineering abilities, he chose the "States" as his territory. This quiet lad has done little in the college to cause any sensational occurrence, but those who know him intimately cannot help noticing his perseverance and untiring efforts to reach his goal; and there is little doubt in the minds of these that Eddie will eventually leave his "foot-prints in the sands of time."

His only fault, if fault it can be called, is his overpowering modesty, which is probably a reason for his quiet college life, as it keeps him within a shell of reserve which only his intimate friends can pierce. It is said that the Englishman is content to say nothing when he has nothing to say, and perhaps Edwards, in keeping his thoughts to himself, is but living up to the traditions of his nation.

One of Eddie's favorite diversions is the taking of long walks to rest his mind after a weary day or week of studying. We do not know whether, on these walks, he makes studies of wild animals or whether he is content to watch the sun setting or shining through the leaves of the trees. The picture at the side shows him resting on one of these jaunts and gazing far off into the distance with the true mind of a woodsman. Thoreau developed his philosophy by dwelling in the wilds—who knows what philosophy will result from these woodland trips?

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SOLOMON FISHMAN
375 Springfield Ave. Newark, N. J.
"Sol"

Course:
Electrical Engineering.

Co-operating Concern:
Splitdorf Electrical Co.

Activities:
Varsity Basket-ball Manager 2; Advertising Manager 1927 Kem-Lee-Mek 4; 1925 Kem-Lee-Mek Staff 2; Secretary-Treasurer Varsity Club 5; Executive Member, Student Branch A. I. E. E. 4; Member Student Branch A. I. E. E. 2, 3, 4.

"No man e'er was glorious, who was not laborious."

SENIOR electricals have one common recourse when a question comes up in Electrical Machine Design or the like, and that is to "ask Sol; he knows."

And he surely does know. Because of his constant delving into the dark depths of the mysteries of electricity, Sol has practically adopted such terms as "Transient Phenomena", "heterodyne", and "inductive reactance" into his everyday vocabulary and sometimes accidentally springs one of these on a poor, innocent, prospective chemical engineer, who is so stunned for the moment that he doesn't know whether he is going or coming.

When Sol wishes to forget his studies he usually finds diversion in "bawling" out his fellow classmates for their poor showing in chasing up advertisements for the Kem-Lee-Mek. This method, which is all his own, brings striking results too, for it is indeed an honor to any Senior when Fishman uses him as an example of a man who has done his bit.

By the way, we must give out the secret that has been kept from you all these years. Little Sol, as can be seen from the picture below, was reared with a headful of pretty curls. It must have been a gloomy day when his auburn locks were shorn and a plain everyday pompadour made to take the place of these shining ruddy curls.

Nevertheless, Sol has grown to forget that woeful day when he lost his curls, and has gained the distinction in the minds of his classmates of being a second Steinmetz.
HOWARD has the distinction for being the only married member of the class, and a proud father at that!

Always as sober as a judge, easy-going, and meek, he can be seen at rare times plugging away at his work and accomplishing less than he accomplished when he first started college, about five years ago.

Being a married man with heavy responsibilities on his shoulders, he naturally has no particular desire to enter into the frivolities of the care-free members of celibacy around him. Between the times when he is working or wheeling a perambulator around, he teaches music, as a sort of a hobby, and from what we have heard we shall not be at all surprised to hear people say in years to come that So-and-so studied music under the great Goellner of Nutley, or something to that effect.

In consideration of his many duties and his loss of sleep through having to walk the floor so much in the wee hours of the night when most mortals are sound asleep, we feel that Howard has done very well so far and sincerely hope that he will continue to do so throughout his career, that is, with the permission of his better “three-fourths.”
BECAUSE Wilse heard that the meek shall inherit the earth, he adopted the
disguise shown above. But behind this meek and mild-looking counten-
ance there is a spirit as strong and as unyielding as a cast-iron column. 
When rather annoyed, the soul of a raging lion stirs within him, but so successful 
is his disguise that he never appears any more harmful than a kitten.

Perhaps this general air of innocence saved him from much trouble during 
Sophomore days when Wilse and the well-known National took leading parts 
in many hair-cutting episodes.

Wilse is noted as an authority on the fair sex, and as a satirist. The earnest 
discussions between some of the class's deepest thinkers always appeared to 
outsiders as though the world's greatest problems were being solved, but usually 
the subject was the eternal feminine, or perhaps a snappy 
exchange of repartee. Wilse always took a leading part 
in such discussions, and spent more time preparing 
for them than for, say, a hydraulics recitation. The small 
picture below shows Wilse making a study of la femme on 
the beach. From the pleased smile one would judge 
that he was observing a lot. He certainly started early.

In the immediate future, Wilse will be doing civil engineer-
ing work at Cranberry Lake, N. J. He will spend 
much of his time studying wild animals in their native 
habitat so that he'll be able to hold his own when 
exchanging experiences with big game hunters. In his 
spare time he will work.
OB is a peculiar combination of a railroad man and a social lion. One might imagine that a young man whose activities vary between such wide limits would not have much to show after a few years. But not so with Bob. Between the overalls and the tuxedo his time is well spent. In fact, the members of the Senior class have already recognized his ability as a judge of pretty railway plans and also pretty representatives of the fair sex. His ability as a judge of the latter has become so well known that several Seniors have asked Bob for a percentage rating of their partners, before they decide to take them to the college affairs.

To some of the newcomers of the college we must offer a brief description of this connoisseur of fair ladies. At first sight one sees merely a bright orange muffler and a pipe. Behind this ambush is the boy himself. Within one mile of the campus Bob will usually be found lugging a well-filled brief-case, but we do not guarantee that it is opened as often as it should be. The lock on it is as good as new.

We feel sure that in the years to come Robert will be a successful figure in the railroad world if he continues in this field. We must remember that there have been great advances in signal engineering on the D. L. & W. Railroad within the past two years.

ROBERT W. JENKINS, BAE
545 South 20th Street, Newark, N. J.
“Bob”

Course:
Electrical Engineering.

Co-operative Concern:
D. L. & W. R. R. Co.

Activities:
Football 1, 2; Basketball 1, 2, 3, 4; Baseball 1, 2, 3; Class President 1; Class Secretary 5; Secretary of A. A. 1; Dance Committee 1, 2; Junior Prom Committee 5; Senior Ball Committee 4; Chairman Smoker Committee 5; Member Student Branch A. I. E. 3, 4; Student Representative Speaker A. I. E. E. Convention 4.

“Better to have loved and lost,
Than never to have loved at all.”
FOUR years ago, there entered N.C.E. with the Class of 1927, a young Elizabethan by the name of George Kane. Unique he was in several ways, for not only did he possess a considerable amount of intelligence, but also had not yet donned long trousers. His voice, on the other hand, had the loud tone of a veteran train announcer, and his pugilistic tendencies would have "gotten him in bad" very often but for his extreme youth. He early astonished the professors by his intelligence, particularly Mr. Koshkarian, who never bothered to correct George’s math, but merely marked it correct and said, "Very good, Mr. Kane.” His marks this first year rarely went beyond the first two letters of the alphabet.

A summer of co-operative work—and then George astonished us all by returning to college with long pants. It was in qualitative analysis that he starred this year. Together with Kopeske, he perfected all sorts of "fluky" tests for elements which, by intent or chance, showed the correct constituents.

George, never daunted, kept on growing in stature, and by his senior year resembled a man in outward aspects; but he has not yet got over many childish eccentricities which belie his size. He is still young, however, and has plenty of time to outgrow these.

He has not yet entered the social whirl, although it is rumored that he is taking dancing lessons, and that those fortunate young ladies who know him call him a "cute kid."
LADIES and gentlemen, this man is a poet. Please do not turn over the pages in disappointment, for this is Jack's only bad habit, and surely he cannot be blamed for being born with an aesthetic soul. Despite the fact that his taste does not run to flowing ties and smocks, his face alone indubitably proves that he is a true successor of Byron, Burns, and Shelley. His famous poem “The Sheik's Advice,” published in the Technician last year, won him a storm of approbation and made him famous overnight.

Despite this handicap under which he labors, Jack is an athlete of parts, and a leader in many organizations. As manager of the 1927 basketball team he was largely responsible for the imposing and well balanced schedule of games played, and did much to insure the victories gained by the team. As a member of his class team he has played in intra-collegiate basketball during his four years in the college. He also plays a mean game of tennis on the days on which he is “in form” — (which happens about only once a season).

Not only is Jack a foundryman of note, but in the design and construction of electric furnaces he is without a peer; that is, the furnace did not appear. However John made a valiant attempt to construct this by reading several catalogues.

Perhaps it may be his aesthetic temperament, or perhaps his natural thoughts, but Jack is somewhat of an idealist about man and woman in general. He has yet to find out that the brotherhood of man is not a fact but a myth, and consequently he can philosophize for hours on this subject, without, however, proving his point to any one of his opponents.

JOHN E. KANE, AKII
828 Bailey Avenue, Elizabeth, N. J.
“Jack”

Course: Mechanical Engineering.


Activities:
Basketball 1, 2, 3, 4; Baseball 2, 5; Tennis 4; Basketball Manager 4; A. A. Executive Council 4; Varsity Club 4; Member Student Branch A. S. M. E., 2, 3, 4.

“As yet a child, nor yet a fool to fame, I lingered in numbers, for the numbers came.”
WE noticed looks of dismay come over certain faces, and heard whispers of, "How are we going to handle him?" We looked around to see the cause of this consternation and saw Larry. We didn't know him, of course, but we could guess that he was a Freshie like the rest of us, and that the frightened students were the Sophs. We knew then that we couldn't be stopped in football; and we weren't. What wrecks he made of the teams of the classes of '26 and '28! This young Hercules has starred in cane sprees, basket-ball, baseball, and track. Do not get the idea however, that he runs to brawn rather than to brains. Look at his activities and you will know that Larry is popular, and deservedly so.

Despite this, we seldom hear from him. What he does, he does in a quiet and efficient manner, gaining many friends and making no enemies. Only very deep and careful investigation has revealed to us that Larry was an All-state guard and that he starred at basket-ball and track while at Irvington High. These facts will surprise all except his most intimate friends, for Larry has never mentioned them in college.

Another virtue which we might mention is his integrity. This is so manifest that Larry has held the treasurer's position no less than three times, and has not, as yet, been indicted for defalcation.

If Larry does as well in the future as he has in the past, we shall hear much of him, not from him.
It seems that many of us have the impression that Kop expects to become a Chemical Engineer. Every senior knows, however, that in the wide field of John's activities his work in the chemical world merely occupies what might be called his leisure time. John distinguished himself early by his verbosity in English themes. It has often been rumored that he expects to correct some of Noah Webster's mistakes when the "Kopeske Dictionary" makes its appearance.

Kop entered the pugilistic field for a while, but he felt that this profession was confined chiefly to truckmen, coal-heavers, butchers, marines, and laundry helpers. So he tried soap making.

His nativity has often been an interesting topic of discussion. There is no doubt, however, in the minds of his classmates, that John has many Scottish characteristics. These traits have become very evident in his recent big financial deals. It is rumored that among other publications which Kop is working on are the following books of his Little Leather Library:

"How To Own A Ford Without Any Expense On Your Part."

"How To Make Money Quickly By Parking Fords In Summit Place."

"How To Make $5,000 In Two Weeks. Only $10 Capital Required."

"How To Become An Inventor."

We have reason to believe that "John A." will be the common expression for a man of infinite financial means in years to come, to replace the modern expression "He's a John D."
Rupe joined our group four long years ago, the same strong, silent, dignified man that he is now. In fact, when he walked into our first class we sat up at attention, in an effort to give our respectful attention to what we thought was our new prof, and were dismayed when he sat down with us, and proved to be a student himself.

He is a person with a double-sided personality, odd as it may seem. A glance at this quiet son of Clifton would give the average person the idea that he never lowered himself to the depths of indulging in humorous repartee, or jokes, but such is not the case—he can exchange wit with anybody. On the football field you would never recognize Horace Rupert. He tosses decorum to the winds, and pitches in with a vim and vigor which have been felt by several men of '26 and '28.

As would be expected in one of his caliber, Rupe possesses that rare quality of leadership. We realized this first in our Freshman year, and in our Junior year selected him to lead the class. Also, for the same reason, he is of a contemplative frame of mind. In full justice, we must state that text-books are not his favorite food for thought. Unlike Tobler and a few other classmates, Rupe does not study for the love of learning, but as a means to an end, that end being graduation.

We understand that he will “break even” with his degrees this year. He will receive his degree of Bachelor of Science from the College, but we expect him soon to lose that of Bachelor in Life, as he has already announced his engagement to a certain young lady.
ANDREW MUELLER, JR.
626 Franklin Street, Elizabeth, N. J.
"Andy"

Course:
Chemical Engineering.

Co-operating Concerns:
Newark Gear Cutting Machine Co.
Proctor & Gamble Co.

Activities:
Baseball 1; Basket-ball 5; Chess Club 3, 4; Bridge Club 4; Member Student Branch A. C. S. 3, 4.

"A primrose by the river's brim,
A yellow primrose was to him—
And it was nothing more."

Andrew Mueller represents the more solid and conservative element of our Senior Class. A glance at his picture above will convince you not only of this fact, but of his ready good humor, which is common to all persons built by Nature with an eye to casting the largest shadow possible. You might as well expect to move the Rock of Gibraltar from its base as hurry Andy in anything he does. He goes slowly but surely, and gets to his destination eventually, although often he discovers that he is several months too late. Andy labors under the mistaken delusion that he is a humorist, but his humor is of a very heavy type, or rather, is very hard to understand. The sight of his ready smile, however, signifies that it is really a quip which our friend has just indulged in, and we smile in unison to make him feel better. We should need considerably more than the traditional three guesses to ascertain the point of this story, and so we never make the attempt; for not even a Mechanical can follow the twists of a Chemical's mind, which is different from that of ordinary mortals.

Although one would hardly believe it in one of his build, our noble Andrew was tempted and fell for the art of Terpsichore, along with the rest of the Chemical section. We have not yet seen Andy doing his bit on the dance floor, but we imagine it would be a sight to move strong men to tears—or laughter.
WHEN as Freshmen we listened in awe-stricken silence to the intricacies of electricity or to phenomena of physics, it was Bill who scoffed at the theories of Newton or called upon Dawes for the burden of proof. We looked at him then, and wondered what manner of freshman was this—and again we wondered when exam week arrived and Bill seemed to have cornered all of the "A's."  

Then, as time passed and we blossomed into Sophomores, we were again forced to take notice as the undaunted Rahwegian began to make commentaries with illustrations on the works of Shakespeare. Bill's literary ability resulted in his being chosen Associate Editor of the Technician and finally Editor of this book. His artistic ability has, however, almost resulted in fatalities when his classmates have viewed his conception of their well-known physiognomies.

We do not wish to set Bill forth as in intellectual prodigy, for his accomplishments are not confined to the pursuit of knowledge. Socially he bows to no man, and to our knowledge he did not miss a dance during his four years in college. Nor was he a slouch when it came to athletics. At tennis he displayed that same smashing style with which he knocked the old M. E. course for a row of "A's."

There have been rumors that if we were to choose the man in the class who wielded the deadliest influence over the opposite sex, Bill would have to be considered. Those knowing his remarkable ability to get last-minute dates for his classmates will see the logic of this choice.
WHAT! You don’t mean to say you are unfamiliar with the name of that distinguished gentleman who just passed? Really? Why he’s the Hon. Howard George Patton, Esq., the most talked of man about town."

If this conversation were overheard ten years from now we could not possibly mistake the identity of the person under discussion. Yes, it would be our own “Pat.”

Howard is the kind of fellow who is bound to appear in the public eye. We are certain he will surpass all that Earl Carroll has done in the way of publicity—but we hope not in the same manner. Well, you will say, there must be a reason for our having such expectations for our class mate. Indeed, we have many. “Pat” is very active in school affairs and we are sure that if he does not succeed as an engineer he will succeed as a politician.

“Pat” is chuck full of ideas, in fact, he is just bulging with them. Every time we meet him we are greeted with a “Hey, d’ya know what?” Of course, it is too bad that all of his ideas are not feasible, but then one gifted with so many could not expect to have them all good, and we are satisfied with a good one once in a while.

“Pat” co-operates with the D. L. & W. R. R., and we feel sure that the late increase in stock dividends is due to his (political?) influence with the directors.
NUNCIO R. PICO
93 Heckel Street, Silver Lake, N. J.

"Peke"

Course:
Electrical Engineering.

Co-operating Concerns:
Multiple Electric Co.
Public Service Co.
General Electric Co.

Activities:
Varsity Basket-ball 1, 2, 3, 4; Football 1, 2; Baseball 1, 2, 3; A. A. Representative 3, 4; Vice-President Varsity Club 4; Member Student Branch A. I. E. E. 3, 4; Bridge Club 4.

"Curly locks, curly locks, will you be mine?"

A scuffle, a few shouts, and then—"Where's Pico with his clippers?" A young man pulls a much-used pair of hair clippers from his pocket, and kneeling down beside the luckless Sophomore who is held tightly in the clutches of several men of '27, proceeds expertly and methodically to clip the hirsute adornment from the offender's pate. It was thus in his Freshman year that Nuncio became known to us as the "Barber of Seville (Lake)." Trained from early youth to the trade of a barber, he came in very handy for shearing recalcitrant Sophomores and, a year later, those Freshmen who disobeyed the laws set down by us.

Peke's pride and joy is his own hair, which he has trained and curled until it rises in waves and waves to a considerable altitude above his noble brow. It was a much-discussed question for three years as to whether his mustache would grow as curly as his hair, if he ever developed one; but it was not until the middle of this year that he attempted to show us.

Peke starred as a basket-ball player on the Varsity for four years. During the latter part of this sojourn he held more or less the position of "pinch hitter," and many have been the times, when our team was losing and the crowds cried for Pico to go in and save the game, that he stepped into the game and in a few moments had single-handedly run up an overwhelming lead for Newark. The games that were lost can always be laid to the fact that this Senior star was not playing—or at least so Pico asserts.
NOT unlike Caesar, Stilicho, and Vladimir, Red fully realizes that no thoroughly worth while task is accomplished without effort. Now, he probably will never lead a Roman army, humble the Gothic hordes, nor organize a Russian empire; but he will go very far in this profound profession of engineering.

Do not get the idea that Red is of the book-worm type. No—he possesses that much envied virtue of being able to proportion correctly the amounts of work and play to arrive at a happy medium. At any college function—let it be a dance, athletic event, smoker, or meeting—you will usually find this man, with his smiling countenance, in the midst of all the fun.

Contrary to the impression of most strangers who hear his nickname, Red does not enjoy the distinction of having red hair. His whistle is very distinctive, however. When we hear that in class, we know that Red has just discovered that he has made a terrible mistake in a problem or an explanation and has to let out steam in some way.

As Red did not join us until his Junior year, his activities during his last two years show how far he has entered into college life. In particular, his work on the program committee of the local Student Branch of the A. S. M. E. had considerable to do with the success of the Society during the past years. As far as co-operative work goes, we understand that Nilson-Miller practically shuts down during Red’s periods in school.
RIP” is one of the five year men who never put off until tomorrow what they can just as well do the day after tomorrow; his physical prowess is only exceeded by his inertia of rest.

It is hard to think of him as the designer of the carborundum carburetor, but the latter is harder yet. While he is one of the few in college who is not distracted by wine, women, and song, he is particularly fond of music-producers, including everything from a bass drum to a blonde soprano; but he finds the kettle drum most passionate.

During his first year, unlike his succeeding ones, he distinguished himself by his hard work. In his second he presided over the only perfect democracy since that of Athens. Then followed a period of hibernation from which he has only recently emerged.

He has gained considerably by his co-operating in the industries; most of the plants which were favored with his presence are now working overtime, or are still shut down for repairs. He is fond of co-operative work and dumb animals. In fact, it was a matter of considerable regret to him last summer when he inadvertently “socked” a skunk across the differential, mistaking a suspicious movement in some bushes as an elephant attempting an ambuscade.

However, “Rip” is one of those who think, and think on high planes. Furthermore, he is gifted with personality, and so we do not doubt that these will carry him to a position of influence and affluence in this community.
RUNNO, though difficult to classify by ordinary means, is a sportsman in the highest sense of the word. His propensity for slaying the creatures of the earth and laying their quivering carcasses at the feet of a fair lady, (oh yes, there have been several), can be explained in but one way. Our hero undoubtedly inherits it from some remote ancestor of the Pleiocene Age. Be it as it may, it is only one light of a character of many facets. Few women understand this man, who, though he takes his pleasure in the hunt as did the giants of old, can still get through a six-course dinner without having any silverware left over.

Being a mechanical, he has the usual capacity for investigating automotive equipment and beer. As one of the immortals, (five year men), he has done his bit to keep the Faculty from going stale. If "he who goes slow, goes far," "Runno" ought to reach Mars with a minimum of effort.

There is something about his dry humor, his excellent diction, and his dignified way of telling jokes that is compelling. Several times during his college career, after a long stalk, he has just missed capturing a real idea, this pursuit marking him as an exceptional man.

Seriously we who now scan him with a prophetic eye see him, in the future, selling ideas, service, and equipment in a big way, rather than applying himself to the more narrow phases of engineering.
FRANK SCHETTY
63 Lincoln Pl., East Rutherford, N. J.
"Schetty"

Course:
Chemical Engineering.

Co-operating Concerns:
Schetty Bros., Silk Dyers.
E. I. DuPont de Nemours & Co.

Activities:
Football 2; Basketball 1, 2, 3, 4;
Baseball 1; Track 3, 4; President Varsity
Club 4; Member Student Branch A. C. S.
3, 4; Chess Club 3, 4; Class Day Com-
mittee.

"I miss my Swiss"

WHEN this son of Switzerland entered our Alma Mater, she received one
who was fleet of foot, and had a jolly good nature. Perhaps this former
quality was developed by chasing goats up and down the Swiss Alps.

Because of this, he naturally takes an interest in track. He was one of the
foremost in urging that a track team be started in the college, and has tried
hard to establish a winning reputation for the team. But track is not the only
sport in which he has taken an interest. He has also dabbled in football, basket-
ball, baseball, and tennis. His main sport (indoor) is chess. We wonder if he
will ever be able to take a series from the acknowledged college champion, John
Kopeske. These two have been at it practically since they entered N.C.E.,
with Kopeske nearly always winning.

It was not until his Junior year that Schetty began
attending dances, by coming to the Prom, thus surprising
all his classmates, who had no idea that he was gifted
in a terpsichorean direction. As a Senior he stepped
forward as a ladies' man; and although he had several
rivals he managed to best them all, even Alfred Werner,
who at some times appeared to be first in the race.
UT from among the busts in the Hall of Fame there came into our midst a petit youth, somewhat dazed by the rigorous two years through which he had just passed. He was not to be relieved, for he soon found out that the studies at N. C. E. were far harder than those at his former Alma Mater, and crazed by constant application to his studies, he went so far as to sever diplomatic relations with the Bronx, and refuse to buy his monthly new suit of clothes for February.

Although small of stature, and no giant of intellect, Henry covers up his many faults with a dazzling smile. This, with the bland, child-like expression which he assumes when he is in the wrong or when he has failed to do something he should have done, usually wins for him forgiveness for his sins and negligences. As a result, or perhaps a cause, he is somewhat slow.

As a track man, our young friend starred. At the beginning of the 1926 season, rumors flew about that this man Tobler was a flash on the cinder track. The coach spent many anxious hours inducing "Half-Pint" to come out for the sprints, and talked about the find of the year—until he saw Henry run. We might add that the marvelous collection of cups and medals which he claims to have amassed must have been won in some other sport than track, or else the Hackensack custom is to give the prize to the athlete who requires the most time for his race.
HERMES the inscrutable, though a bear of a physicist, has lately been troubled by his intellect. Swept up in the wave of culture that lately inundated the campus, he was tossed about and cast up with his center of gravity shifted. Diagnosis now shows a penchant for dancing and a veritable passion for bridge. He admits that the select crowd of introverts with whom he spends his time are the only men in the class who show any degree of culture. He may be right—that wouldn't make the rest of us sore.

Hermes has a rare ear for music, and he raves fluently about octaves, nodes, harmonics, and like trash; his chief hallucination being that his radio has the best tone qualities ever heard. We take this with the customary fragment of sodium chloride. The future holds great things for Emerick—a degree of success in engineering, the thrill of a good fight with bare fists, or what have you, and the tremendous stimulus of gazing into the eyes of a good woman.

There are a few of us who really know Emerick as he is outside of class. We suspect that under the proper conditions this strong silent man casts aside his studious mien and acts his age. Our efforts to draw him out of his shell have thus far borne sparse fruit. However, when the topic of conversation is Bakelite, his latest love, Hermes acts almost normal.
SIDNEY is one of our class business men, although we never fully realized his capabilities in that direction until he assumed financial responsibilities of this volume of the year-book, in his Senior Year. His latent ability then came to the fore, and the dollars began to recognize their master's voice, which they had no difficulty in hearing.

Whenever there is an undue amount of noise in the Electrical Lab., it is probably Sid and Jenkins arguing about which end of a piece of wire should be connected first. The way these debates usually end is that the fellow who happens to have the wire in his hand connects it his way, and then when he leaves, his co-worker carefully reverses it.

We sympathize with Ski in his pathetic efforts to raise a moustache. So proud of this is he, that when he had his picture taken for this page and the adornment did not show up, he had another taken later, with the results shown above. Cheer up, Sid, you have more nerve than some, for not all of us would even start one.

It is absolutely impossible to close this literary tidbit without a brief explanation of the quotation given above. In order that Freshmen and others may understand its subtlety, "the rose" is human, and looks like her name, and the "thorn" or Sid, always goes with "the rose." In fact, we have never yet seen him at a college affair without her.

In conclusion, we hope you will not neglect to look at the picture of little Sidney in the "forest primeval," when he was young and unattached.
The above photograph is one of a man who needs no introduction—here or elsewhere. Winston is a veritable "man-about-town." It seems, however, that he is never in the part of town where he ought to be. In this way he avoids doing any work which he should ordinarily perform. The above quotation is certainly appropriate for Eddie, especially the second line. In fact we often wonder whether the classes are very dull during the two weeks when Eddie is out co-operating. He certainly does put lots of life into an otherwise dull recitation hour.

In the electrical laboratory, one would ordinarily get the impression that Winston is the "boss" of the place because he is always parading around instead of "sticking" to his bench. We must here explain that he is not the "boss," but he realizes that any effort on his part is liable to muss his hair, and this must be avoided.

Seriously, speaking, however, Eddie really does not mind having his hair mussed a bit. This is evident in any of the basket-ball games in which he participates, and these are numerous. Yes, one will always find Winston in the middle of the fray at a game, but where is he when a tough problem comes up in Electrical Machine Design?
IN his freshman year, Alfred Werner received the permanent soubriquet of "The Smiling Genius," which may require some explanation. The first part is easily explained—even as a youngster he had that eternal "Mona Lisa" smile, which is a natural expression, and not a sign that its wearer has just heard a funny story. The second part comes from his wizardry in solving the most hair-raising problems in Calculus and Chemical Engineering. It was his work in Math that Professor Koshkarian so often dubbed as "moonshine."

However, "Genius" doesn’t confine himself entirely to his studies—far from it. His athletic proclivities do not extend much further than a few games of basket-ball, but he keeps in perfect physical condition by daily workouts with his faithful slide-rule. He has always been an ardent chess player, and he and his playmate Schetty have staged many exciting chess tournaments. He was one of the charter members of the Chess Club, and a founder of the Bridge Club, which game, with an odd Chemical sense of humor, he learned during last summer.

Werner has kept out of most of the social activities of the college, believing that such were not in keeping with his contemplative nature. However, having reached the status of a Senior, he threw caution to the winds, and not only showed a sudden interest in the fair sex, but went so far as to take dancing lessons. We congratulate Alfred on his change of mind, but sincerely hope that after he receives his sheepskin he does not pack his text-books away, and journey to Hollywood to attain fame.
ARK to the sound of music! Soft mellow notes of liquid clearness float lingeringly through the air, to be supplanted soon by the quick notes of the latest popular song. Who is this master of the piano? Is he a Paderewski or a Lopez? We gaze around the corner of the room, and there seated at the piano, with nimble fingers racing over the keys, is Freddy Wolpert, the pianist-engineer.

Since his childhood days Freddy has been practicing on his chosen instrument of warfare, and has achieved "the heights" (he was formerly pianist for Norman Gehrie) by constant practice. This, however, is not his only achievement. He is an athlete who participates in all sports, a scholar of parts, and a bear with the women. This latter may be due in part to his faultless hair-comb; for Fred has the distinction of being the only student who ever went through an Elec experiment without getting his hair mussed up.

It seems hard to imagine this young man as an engineer. To anyone who knows him, it appears that he should have followed the vocation of a musician, dancing teacher, or head waiter, where his varied talents would have come in handier than in the practical field of Engineering. His intentions are good, and we hope that he will continue with his successes—but we wonder whether he will ever get his hands dirty?

FREDERICK S. WOLPERT, AKII
104 Lenox Street, Newark, N. J.
"Freddy"

Course:
Electrical Engineering.

Co-operating Concern:
Weston Electrical Instrument Co.

Activities:
Football 1, 2; Basket-ball 1, 2, 3, 4;
Baseball 1, 2, 3; Dance Committee 2;
Junior Prom Committee 5; Member
Student Branch, A. I. E. E. 2, 3, 4.

"Charm me asleep and melt me so
With thy delicious numbers."

H ARK to the sound of music! Soft mellow notes of liquid clearness float lingeringly through the air, to be supplanted soon by the quick notes of the latest popular song. Who is this master of the piano? Is he a Paderewski or a Lopez? We gaze around the corner of the room, and there seated at the piano, with nimble fingers racing over the keys, is Freddy Wolpert, the pianist-engineer.

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ALL SET FOR THE BOILER TEST
ON THE STEPS

N.C.E. TRACK TEAM AT WAGNER

HARRY

LARRY

EDDIE

SOL
Class of 1928

OFFICERS

ROBERT M. MEYER  President
F. WILLIAM SPECKMANN, JR.  Vice-President
F. MURRAY PARET  Secretary
ROBERT E. MAYER  Treasurer
PROF. ALBERT A. NIMS  Faculty Advisor
Chronicles of the Class of 1928

At the close of this, our third year in college, we of the Class of '28 look over our past activities. In our engineering work at the College of Engineering, we have learned to work both physically and mentally. The education we are gaining serves to show us the tremendous possibilities in Engineering.

When we entered college in September, 1924, we were "green," but not for long. Numerous encounters with the Sophomores served to unite us. We were defeated by our worthy opponents, the Sophomores, on the gridiron. Hopes were high on Parents' Day, but the only satisfaction we had was showing the men of '29 how to heave on a rope. The baseball season came. Here we vindicated ourselves and trounced every team in the college, including the formidable faculty aggregation. That year we were the undisputed intra-collegiate champions.

The following year found us attempting to control some very exuberant Freshmen. On Parents' Day, we surprised our unsuspecting friends, the "Frosh," by defeating them at the tug-o'-war and in the cane-sprees. To celebrate, we held a theatre party at Proctor's. During this period, we also ventured into the social whirl. We held a successful Sophomore hop in the Administration building. Our musical inclinations were satisfied in a large measure by the Sophomore Glee Club.

Our past year has been exceedingly active. Inasmuch as we were trounced in both our Freshman and Sophomore years, the outcome of the football game in October, 1926, pleased us greatly. The Junior Smoker which was held this year in the Kreuger Club, stands out as a worthy achievement. Cider and doughnuts were plentiful, and then some, as was the concerted singing—if it may be so termed. We hope our friends of '30 did not get too sick drawing on the corn-cobs. The Junior Promenade needs no comment. Sufficient it is to say that it was a social high-light of the college year.

Our class meetings have been numerous and well attended. Discussion has been enthusiastic. We are realizing the friendship possible in class functions. Men who have worked together three years have developed ties that can never be broken. Although our original number has been diminished to one-third, we have with us several men from the Newark Technical School, who are a part of us, and are active in all class functions. Two theatre parties this year have made a general reunion of the class possible.

Our senior year looms before us with its problems and responsibilities. We shall be the guiding influence in college affairs as the present graduating class has been in the past year. We have been tested in our past college careers and have not been found lacking in those qualities of leadership essential to such a position.
Class of 1929

OFFICERS

JOSPEH TOWNSEND . . . . . . President
WALTER J. KASTNER . . . . . . Vice-President
HERMAN P. LENK . . . . . . Secretary
VERNON O. DRAKE . . . . . . Treasurer
PAUL E. SCHWEIZER . . . . . . Faculty Advisor
Chronicles of the Class of 1929

SEPTEMBER 21, 1925, found us, ninety wondering and bewildered hopefuls, filling the halls of the Academic Building. At the end of the last class the lordly Sophs supplied us with caps, ties, tags, and warnings. Rules went into effect the following day and, as usual, a few tonsorial operations were performed on the more skeptical of our number.

After winning the Frosh-Soph football game we were in a favorable mood to enjoy the Junior smoker which was given in the evening.

The next thought to occupy our minds was that of organization. With organization came opposition to oppression. We consigned our ties to the flames and discarded our caps and other paraphernalia.

Interclass basketball now took our attention, and our teams offered keen opposition to upper classmen. Several of our men attained positions on the varsity squad.

Our best athletes upheld the honor of ’29 in basketball by defeating the Soph quintet by a comfortable margin on Parents’ Day. As for the cane spree and tug-of-war—well, the less said the better. Parents’ Day was brought to a very enjoyable close with a theatre party.

Spring brought, to those of us who withstood the deluge of the mid-year exams, thoughts of baseball. We placed a team in the field, but were forced to bow to the superior playing of our traditional enemies in the three game series which ensued.

We completed our first year with two-thirds of our men still with us, and went our several ways to wrestle with the problems of the industrial world.

On returning in the fall we found the reins in our hands. The newcomers were “decorated” and taken for a parade on Broad Street, an innovation which we hope will become traditional. Many lambs were shorn, and one marooned on an island in Branch Brook Park ere the hostilities ceased. The rules were strictly enforced, even though we were defeated at football, until the Christmas recess.

At the Junior Smoker our more dramatic men gave a humorous sketch. The Frosh, as usual, furnished the main entertainment.

In the interclass basketball contests we were again rather successful, all of our teams making good records.

An accomplishment of our class was the design and sale of a college sticker, made in the shape of a pennant, bearing the college seal and the letters N. C. E. The innovation was heartily supported by the student body.

For us, the crowning event of the year was the Sophomore Dance which was held on January 22, and was the first college dance held in the new building, Campbell Hall. On this occasion the class presented its banner to the college to be placed in Campbell Gymnasium, thus beginning a precedent which we hope will be followed by succeeding classes.

During our two years sojourn at Newark we have been a success athletically, socially and scholastically and we look forward to our remaining years with high hopes for further achievement.
Class of 1930

OFFICERS

Paul Colson . . . . . . . . . . . . . . . . . . . . President
William J. Melick . . . . . . . . . . . . . . . . Vice-President
Herbert R. Ford . . . . . . . . . . . . . . . . Secretary
Robert W. Van Houten . . . . . . . . . . . . . . Treasurer
Prof. Frank N. Entwisle . . . . . . . . . . . . . Faculty Advisor
On September 20, 1926, the aspirants for graduation in 1930 entered the Newark College of Engineering destined to make history, either good or bad. We were ninety-two strong when we started—but oh! the mortalities were fearful.

The first afternoon of school we were surrounded by the Sophs and forced to buy caps and green ties, and parade through the streets of Newark. The next day we blossomed out in full regalia, with not only the above-mentioned articles, but with white socks and red identification tags as well. A short rush was held in preparation for the football game, (score in black eyes, we having the least number). For temporary chairman, Joline was elected until we knew each other well enough to elect a full roster of officers.

Due to the great skill of our boys we won the football game with the Sophs, 7-0; and also won the privilege of leaving our white socks home and wearing black ones instead. This was the snappiest game ever seen, and our showing made certain men considered for All-American.

We finally held our class election, naming Colson as President, Joline as Vice-President, Ford as Secretary, and Van Houten as Treasurer.

When the intra-collegiate basket-ball series started, we entered five strong teams. So much pity did we feel for the other classes that after mid-years we cut them down to three, to give the Sophs, Juniors, and Seniors a chance. There was no need for this, because we won the series easily, our "B" team doing the work with a final percentage of .86. This was to be expected from a Freshman team.

Then came mid-year examinations. They were easy (?), but nevertheless many of our friends left us. From 92 to 64, some drop, eh? As a result, Melick was elected to take Joline's place as Vice-President of the class.

During the second half we scored our greatest triumphs in the Parents' Day events and in the Interclass Track Meet. True to our traditions, the Freshman basket-ball team defeated the Sophs by the overwhelming score of 32-23, despite the fact that they had four varsity players to our one. We finished the Parents' Day events by winning two of the three cane spree matches. Ehret won the lightweight match in record time, and Falk easily crushed Weisleder in the heavyweight struggle. Ehresman, the 1930 middleweight, finally succumbed to his heavier '29 opponent, Wagner.

The Interclass Track Meet resulted in an overwhelming victory for us, with 47 points to the 28½ of our nearest rivals, the Juniors. Out of the ten events scheduled, we made four firsts, three seconds, three thirds, and five fourth places. No other class had a chance with us in the field, as the score shows.

What a record! Winners in interclass basket-ball and track. Winners in the Parents' Day athletic events. We are proud of this, as we are also of the fact that we furnished the Varsity basket-ball team with one man, and the Junior Varsity with four. Only two more sports remain—baseball and tennis. Undoubtedly we will star in these as in the others, and give other classes a mark at which to aim.

Students of the Junior Class

Howell B. Axtell
Ralph A. Brader
Edward S. Bush
Charles C. Calvano
Warren K. Condit
Raymond J. Cox
Stanley Cosza
George T. Deane
George W. Dorn
William Falconer
Charles F. Forsythe
Karl S. Geiges
James A. Gibbons
Frank Goldbach
Henry K. Hamje
Jerome E. Hequembourg
Eugene Hess
Gerald A. Higgins
Frederic R. Huneke
Clifton J. Keating
J. Leonard Kuhn
Robert E. Mayer
Robert M. Meyer
F. Murray Paret
Louis Pischkittel
Karl J. Probst
John M. Roche
Edward A. Schultz
Frederick W. Speckmann
Nathan Silberfeld
Arthur Spinanger
Vincent Vitale
Gustave R. Weidig
Roswell R. Winans

Students of the Sophomore Class

Ranieri P. Barrasso, Jr.
Marshall C. Bassford
Alex Becker
William B. Beveridge
Allan Bochner
Charles H. Clarendon, Jr.
Richard D. Cushwa
August L. De Schryver
Vernon O. Drake
Stanley P. Fischer
William E. Fleetwood
Julius E. Forcella
Robert A. Frew
Morris Friedman
Leo C. Gorka
Corwin S. Gray
Thomas F. Groll
Andrew Handzo, Jr.
Rufe J. Hardy
Thodore W. Hecking
Charles P. Hurd
Francis L. Hyer
John S. Irving
Ernest A. Joerren
Reginald P. Johnson
Walter J. Kastner
Lorenz M. Klenk
Milton B. Leggett
Herman P. Lenk
Edward J. Lott
Christopher J. Luneski
George P. McErlean
Guerdon J. Mayfield
Richard A. Miller
Malcolm W. Mitchell
William B. Morningstern, Jr.
Paul S. Nastasio
Howard Orell
Robert J. Philipson
Lawrence G. Podesta
Alfons Puishes
Sam Scalzitti
Robert F. Schwarzwalder
Joseph Townsend
Kenneth J. Van Brunt
Stephen J. Wagner
Frederick O. Walker
Charles S. Weisleder
Robert H. Winckler
Meyer Yablonsky
Students of the Freshman Class

Lawrence F. Adams
Philip H. Baldwin
Edward C. Bauer
Harry J. Bauknecht
P. Gregory Beltaire
Albert E. Bennett
Milton Bennett
Edwin B. Branigan
Charles M. Brazaitis
Dominic N. Cantlupe
Edward A. Carder
Carmelo Casella
Angelo E. Cassaro
Philip F. Cermelo
Paul Colson
Ronald H. Cook
Ellis B. Crane
Thomas M. Crawley
Patsy Danton
James K. Dennis
Charles DiNapoli
J. Joseph Doyle
Henry B. Drake
Paul J. Dumont
Julius Dvorak
Louis Ehresmann
Milton Ehret
Irvin V. Falk
Walter C. Faulls
John Figlioli
Herbert R. Ford
Theodore Fuss
J. Donald Goeltz
Charles A. Goelzer
Walter C. Guenther
Robert A. Haines
Revere C. Harbourn
Henry Harrison
William Hazell
Fred A. Hedeman
Fred W. Heil
Ralph P. Hollister
Joseph Horvath
John A. Johns
Stanley Johnne
Joseph E. Kaiser
William C. Karl

Werner R. Kuebler
John Kurilla
George W. Lachner
Frederick Liparini
Adolph H. Loos
Kenneth A. MacFadyen
James P. McMurray
William J. Melick
William T. Meltzer
John M. Neustaede
William S. O'Connor
John B. Opdyke
Joseph A. Petrolino
Rudolph J. Phillips
Warren S. Pletz
Peter L. Pliv
Philip T. Piaget
Miss Edythe R. Raabe
Willis S. Ramsey
George J. Randell
Morton Relles
Herman H. Roeschke
Francis J. Rogers
Richard A. Ruf
Daniel J. Ruggerio
John B. Scheid
Wesley E. Schmidt
Rudolph E. Schuckmann
Gosta A. Schuyler
William J. Schwiedtfeger
Clark H. Shaffer
Henry A. Singer
Morris Slurazberg
George E. Smith
Theodore F. Starrs
Charles E. Steen
Ralph H. Stelljes
Peter Studer
James J. Teeling Jr.
Stephen Teller
Roger B. Tennant
Edwin V. Thompson
Charles Urban
Robert W. Van Houten
Walter R. Varnell
Lester E. Walker
William F. Wismar, Jr.

John T. Zielenbach

Special Students

Kenneth C. Beckett
Yuan-Liang Chia
The A. A. Executive Council

The Athletic Association

Officers

Lawrence E. Koch . . . . . . . . President
Raymond J. Cox . . . . . . . . Vice-President
Edith Raabe (Miss) . . . . . . . . Secretary
Herman P. Lenk . . . . . . . . Treasurer
Professor F. N. Entwisle . . . . . Faculty Advisor
Professor J. C. Peet . . . . . . . Faculty Advisor

Executive Council

Joseph Townsend, Chairman

Barney Diebold '27
Howard G. Patton '27
Nuncio Pico '27
Edward S. Weinstein '27
Edward S. Bush '28
George W. Dorn '28
John E. Kane '27
Robert E. Mayer '28

James A. Gibbons '28
Edward A. Schulte '28
August L. DeSchryver '29
Andrew Handzo '29
Paul Colson '30
Kenneth A. MacFadyen '30

Basket-ball Manager
Track Manager
### Varsity Basketball

**The 1926-27 Season's Record**

| Nov. 22 | ST. FRANCIS | 24 | 14 |
| Dec. 5  | WEBB NAVAL  | 28 | 24 |
| Dec. 10 | PRATT       | 25 | 29 |
| Dec. 18 | COLUMBIA COLLEGE OF PHARMACY | 29 | 28 |
| Dec. 29 | WASHINGTON SQ. COLLEGE, N. Y. U. | 14 | 21 |
| Jan. 8  | UPSALA      | 29 | 51 |
| Jan. 14 | WAGNER      | 27 | 21 |
| Jan. 21 | COOPER UNION | 25 | 20 |
| Jan. 29 | STEVENS     | 25 | 21 |
| Feb. 18 | WAGNER      | 56 | 27 |
| Feb. 26 | WEBB NAVAL  | 18 | 52 |
| Mar. 4  | ST. FRANCIS | 25 | 27 |
| Mar. 12 | ALUMNI      | 55 | 12 |

**Newark Opponents**

Total 352 307
The 1926-27 Basket-Ball Season

The season of 1926-27 saw one of the finest teams that has ever represented the college. Several new teams appeared on the schedule, including St. Francis College, Pratt Institute, Wagner College, Washington Square College of N. Y. U., and the Columbia College of Pharmacy. Though faced with a stiff schedule, the team met all comers and compiled an impressive record.

After winning the first two games with St. Francis and Webb Naval, the home team went down to defeat before the strong Pratt Institute five in a close contest. The next two games resulted in a victory over the Columbia College of Pharmacy and a defeat at the hands of the fast N. Y. U. team. The Upsala game, which was probably the most thrilling one of the season, was lost to the East Orange collegians. No one who was present will ever forget how the Newark team cut down a ten point lead in the closing minutes of play, to miss victory by a narrow margin of two points. The spirit displayed in this game was characteristic of a team which was never beaten until the final whistle.

The other contests consisted of two victories over Wagner, one each over Cooper Union, Stevens and the Alumni, and two defeats at the hands of Webb Naval and St. Francis.

Too much credit cannot be given to Coach F. N. Entwisle through whose untiring efforts and guidance the team was able to accomplish what it did. Though faced with a stiff schedule and handicapped by inadequate quarters for practice at the beginning of the season, he developed a team which proved a worthy match for all of its opponents. An account of the season would not be complete without mention of the splendid co-operation of the managing staff—Kane, Gibbons and Lenk.

In looking over the past season one finds that the work of Captain Weinstein, as center, stands out. As always, his presence seemed to infuse the men with hero spirit and kindled them to their best efforts. Townsend proved the same stellar guard as last season. Beltaire, a freshman, was a worthy running mate and played a steady game all season. In Bush and Luneski the team boasted of two fine forwards. These players were responsible for most of the points scored. Puishes and Irving were two dependable alternates in the center and forward positions respectively.

The fine prospect for coming years was reflected in the commendable spirit and playing of the Junior Varsity. In their two games the results were as follows:

<table>
<thead>
<tr>
<th>Junior Varsity</th>
<th>Newark Tech. Fraternity</th>
<th>Tri Alpha Club</th>
</tr>
</thead>
<tbody>
<tr>
<td>29</td>
<td>25</td>
<td>33</td>
</tr>
</tbody>
</table>

In a number of games the Junior Varsity relieved the Varsity and made creditable showings against the strong opposition.
THE call for varsity track candidates was made by Coach A. Perry Roberts about the first of October, and quite a few men came out for practice. He set to work to develop a balanced team, using the best men from last year’s team as a nucleus. Indoor practice was first held in the old gymnasium in the Academic Building, and later, in Campbell Gym. To give them practice under actual conditions, several of the men were entered by Manager Robert E. Mayer in such important indoor meets as the Fordham, Osceola, N. A. C., Manhattan College, and St. Joseph’s C. C. games. Their showing was very satisfactory.

The outdoor season opened on April 9, with the Inter-Class Meet at Boy’s Park, Newark. The Freshman entrants won it easily, getting a total of 47 points against the 28½ of their nearest opponents, the Juniors. Inter-collegiate competition began on the following Saturday with a dual meet in New York with Savage. On successive Saturdays, dual meets were held with Wagner, Cooper Union, Newark Normal School for Physical Education, and Seton Hall College. The team made a very creditable record against its more experienced adversaries and showed that track, although only two years old in N. C. E., has held the interest of the students and ranks with basket-ball as a varsity sport.

The season closed on May 28 with the first annual athletic meet of the college, held at Ashland Stadium. Most of the colleges with which dual meets had been held participated in these games, and it proved a very successful event and one of which the college can well be proud.
WHILE the Varsity wages valiant warfare against the alien forces that seek to lower the banner of N. C. E., the stay-at-homes are leaping gleefully at one another’s throats in the annual fratricidal melee known as the Intra-Collegiate Basket-Ball Tournament. No newspaper headlines shout the details of these frays. They are exclusively family affairs, but anyone within the charmed circle is welcome to play. This system of voluntary group games is designed to interest the man who wants to play but does not possess the requisite skill to qualify him for Varsity Basket-Ball. Every year has seen an increase in the number of men engaging in the series, until this past season about eighty players competed, representing forty per cent of the College enrollment. Ten groups presented themselves at the beginning of the season. The Seniors and Juniors maintained one team apiece, varying the personnel to suit cooperative schedules. The Sophomores put forth three teams, one each from the Mechanical, Electrical, and Chemical groups. Five Freshman squads started, but scholastic difficulties, and other causes, depleted two of these to a point where it was necessary to absorb them into the remaining first year groups.

Varsity candidates were excluded from the series. The concensus of opinion seems to have approved this as a wise measure to keep these men from possible serious injury. Close contests were the rule, and upsets the order of the day. When the smoke of the battle had lifted, the laurel wreath rested on the brows of the group known as Freshman “B.” Their names will be engraved on the handsome cup donated to the winner of this series by the organization now known as Alpha Chapter of the AKII Fraternity.

### SUMMARY OF THE GAMES

<table>
<thead>
<tr>
<th>Team</th>
<th>Won</th>
<th>Lost</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Freshman “B.”</td>
<td>6</td>
<td>1</td>
<td>.86</td>
</tr>
<tr>
<td>Sophomore Mechanicals</td>
<td>7</td>
<td>2</td>
<td>.78</td>
</tr>
<tr>
<td>Sophomore Electricals</td>
<td>5</td>
<td>2</td>
<td>.71</td>
</tr>
<tr>
<td>Juniors</td>
<td>4</td>
<td>3</td>
<td>.57</td>
</tr>
<tr>
<td>Sophomore Chemicals</td>
<td>3</td>
<td>4</td>
<td>.43</td>
</tr>
<tr>
<td>Freshman “E.”</td>
<td>3</td>
<td>5</td>
<td>.38</td>
</tr>
<tr>
<td>Seniors</td>
<td>2</td>
<td>6</td>
<td>.25</td>
</tr>
<tr>
<td>Freshman “C.”</td>
<td>2</td>
<td>6</td>
<td>.25</td>
</tr>
</tbody>
</table>
Activities
Alpha Chapter
Alpha Kappa Pi Fraternity

Alpha Kappa Pi Fraternity

\[ 94 \]
Chapter Roll

Alphabetical:

**NEWARK COLLEGE OF ENGINEERING**
- Alpha
- Beta
- Gamma
- Delta
- Epsilon

**WAGNER COLLEGE**
- Alpha
- Beta

**STEVENS INSTITUTE OF TECHNOLOGY**
- Gamma
- Delta
- Epsilon

**POLYTECHNIC INSTITUTE OF BROOKLYN**
- Delta
- Epsilon

**ELLSWORTH COLLEGE**
- Delta

---

**Alpha Chapter**

**CLASS OF 1927**

- Louis Balsenon
- Barney A. Diebold
- Harry W. Dierman
- Wilson R. Hull
- John E. Kane

- Lawrence E. Koch
- William J. Opdyke
- Edmund S. Redmerski
- Edward Weinstein
- Frederick S. Wolpert

**CLASS OF 1928**

- Ralph Brader
- Edward Bush
- Raymond J. Cox
- Stanley J. Cozza
- George T. Deane
- George W. Dorn
- William H. Falconer

- Charles F. Forsythe
- James A. Gibbons
- Frank P. Goldbach
- Clifton J. Keating
- John L. Kuhn
- Robert E. Mayer
- John M. Roche

**Arthur Spinanger**

**CLASS OF 1929**

- Charles H. Clarendon, Jr.
- Vernon O. Drake
- Thomas F. Groll
- Walter J. Kastner

- Herman P. Lenk
- Edward J. Lott
- Clark H. Shaffer
- Joseph H. Townsend

**CLASS OF 1930**

- Revere C. Harbort
- Kenneth A. MacFadyen

- John B. Opdyke
- John T. Zielensbach

**ALUMNI**

- Charles Bauer
- Charles M. Beyer
- Michael J. Elias
- Charles A. Fausel

- Albert S. Kopf
- Kenneth S. Marshall
- Leo Mosch
- Henri V. Precheur

---

Clifford Siess

---
Beta Alpha Theta Fraternity
Beta Alpha Theta Fraternity

CLASS OF 1927
Howell B. Axtell
Paul R. Cunliffe
Robert W. Jenkins
Howard G. Patton

Arthur F. Booth
Lester Dunn
H. Rupert LeGrand
Albert A. Van Voorhees
Roswell R. Winans

CLASS OF 1928
Henry Hamje
Robert M. Meyer

Jerome E. Hequembourg
F. Murray Paret
Gustave R. Weidig

CLASS OF 1929
William L. Fleetwood
John S. Irving
Robert Philipson
Lester E. Walker

Charles P. Hurd
Malcolm W. Mitchell
Alfons Puishes
Charles H. Weisleder

CLASS OF 1930
Henry B. Drake, Jr.
Irvin Falk
William J. Melick

Herbert R. Ford
William Hazell, Jr.
Robert Van Houten

ALUMNI
Gustave H. Bjorklund
Donald K. Craig
Frederick C. Fraser
Milton Holmes
F. Raymond Fogel
Lawrence J. Patterson
William Perrine
Frank W. Borman

Herbert B. Pollard (Deceased)

Donald S. Collard
Frederick M. Damitz
Frank A. Jillard
Lester D. Smith
William D. Vanderschaaf
Frederic Cox
Frank Orosz
Charles J. Lee
American Society of Mechanical Engineers
N. C. E. Student Branch

Victor H. Ripley . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . Chairman
Raymond Cox . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . Vice-Chairman
J. Ashton Gibbons . . . . . . . . . . . . . . . . . . . . . . . . . . . Secretary
Clark H. Shaffer . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . Treasurer
Edmund S. Redmerski . . . . . Chairman of Program Committee
Prof. J. Ansel Brooks . . . . . . . . . . . . . . . . . . . . . . . . . . . Honorary Chairman
THE Newark College of Engineering Student Branch of the American Society of Mechanical Engineers is the oldest professional organization in the college. It was organized in the early part of the college year in 1924, and in 1925 was officially admitted as a Student Branch of the A. S. M. E. From that time to the present date the progress of the society has been rapid, and as a result, it now holds a position and recognition in the Metropolitan Section that is envied by similar organizations in much larger institutions.

This year we have two men representing the college on the Executive Committee of the Student Branches, V. Ripley and J. A. Gibbons, who are Treasurer and Secretary respectively. It is the first time in the history of the Student Branches of the Metropolitan Section that any college has held two offices in any Executive Committee.

The first meeting, held on October 6, was addressed by Professor J. Ansel Brooks who spoke on the purpose of the society, its aims, and ideals. He was followed by Mr. P. E. Schweizer with a talk on the development of the automobile, from the embryo to the car we know today. Assistant Professor A. Perry Roberts concluded the evening with an account of the Hydro-electric development of the United States which he saw on his trip across the continent. On Management Night, October 27, Mr. Ralph Shearer, General Works Manager of the Mono Service Co., presented a paper on “Waste Elimination.”

At the meeting of November 17, Power Night was handled entirely by student effort. A paper on “A Modern Power House” (Kearny), was presented by John Roche ’28. The following meeting, January 12, was known as Power Transmission Night. Mr. Roy C. Moore, Chief Engineer of the Chas. A. Schieren Co., delivered a lecture on the “Manufacture of Leather Belting”, illustrating it with motion pictures and lantern slides. A talk on “The Information Necessary when Ordering Gears” was given by Edmund S. Redmerski, ’27, on January 26.

The meeting of February 16 was transferred to the Engineering Societies Building in New York City. We were guests of the Society of Automotive Engineers at their student meeting.

“Heat Treatment of Steel Night” on March 9, was featured by the presentation of two student papers along allied lines. “Manufacture of Files” by William Falconer, ’28, and “Fuel Oil” by Edmund S. Redmerski, ’27 were the topics presented and discussed.

Naturally, the year could not pass without giving some consideration to safety. Consequently, March 30 was known as Safety Night. A very interesting talk on the “Safety Problem in Industry” was given by Mr. John Roach, Chairman of the National Safety Council, illustrated by the motion picture entitled “Hindsight and Foresight.” Electrical hazards were especially treated by Mr. Stratton of the Travellers Insurance Company. A student paper by Robert Meyer on “Safety Engineering as a Profession” completed the program for the evening.

The time came to arrange for a combined meeting of the A. C. S., A. I. E. E., and A. S. M. E. Student Branches in the college. For this occasion April 20 was set aside with a paper presented on “The Philosophy of Industrial Relations” by Mr. W. S. Cronin, Secretary of the National Metal Trades Association. Gustave R. Weidig ’28, presented a student paper on “Industrial Housing.”

At the meetings of May 11 and June 1, student papers were presented by the following seniors; Diebold, Opdyke, Tobler, Dierman, Goellner, Le Grand, Hull, and Ripley.
American Institute of Electrical Engineers
N. C. E. Student Branch

Howard G. Patton .............................................. Chairman
Edward Bush ..................................................... Vice-Chairman
Robert E. Mayer ................................................ Treasurer
Charles H. Clarendon, Jr. .................................... Secretary
Solomon Fishman ............................................... Executive Member
Prof. J. C. Peet ................................................. Counselor
SEVERAL years ago, the students taking electrical engineering courses in the college felt that an electrical society was needed.

In December, 1925, the Electrical Society was organized to fulfill this need. This society carried on for a year with great success, and its achievements influenced the American Institute of Electrical Engineers to invite it to become the Newark College of Engineering Student Branch. Since becoming an official Branch of the A. I. E. E., the organization has progressed rapidly, and now we find it one of the most active and influential societies in the college. Its activity, however, has not been confined within the college boundaries, for it has been closely associated with the Metropolitan District, A. I. E. E., and has taken a very prominent part in the first and second annual Student Branch conventions held in the Engineers' Club, New York, on April 23, 1926 and April 8, 1927. At both meetings our society had nearly one hundred per cent. attendance, and our members had the task of providing programs and decorating the auditorium, which they accomplished to everyone's satisfaction.

During meetings held in the past season several papers were presented by student members. Among these was a very interesting one by Solomon Fishman, entitled "The Great Men of Electricity," and one, "Radio Vacuum Tubes," by Paul R. Cunliffe. Warren Condit also spoke on "Mineral Wool." and Emerick Toth gave a talk on "High Quality Radio Reception." A very good report on "Dr. Coolidge's Cathode Ray Tube" was given by Alex Becker of the Current Topics Committee.

The society has had the good fortune to have many prominent engineers address them at their meetings. On November 3, 1926, Professor F. E. McKone of our faculty and Mr. F. R. House of the Sperry Gyroscope Company spoke. The former talked on "Aerodynamics," while the latter gave an illustrated lecture on "Electrification of Airways," in which he showed the use of electric beacons for night flying. At a joint meeting of the engineering societies of the college, sponsored by the Student Branch, Mr. Barradale, Secretary-Treasurer of the N. Y. - N. J. Interstate Bridge and Tunnel Commission, gave an illustrated talk on the construction of the Holland Vehicular Tunnel. This was the largest meeting of its kind ever held in the college. Another speaker was Mr. J. B. Dowden, laboratory engineer of the Weston Electrical Instrument Corporation, who discussed "Electrical Instruments." Mr. E. B. Meyer, Chief Engineer of the Public Service Production Company and chairman of the New York section, A. I. E. E., addressed the student branch on February 2, 1927. His talk was entitled "The Engineer After Graduation."

At our first meeting in Campbell Hall, on February 16, we had the pleasure of hearing our Dean Cullimore speak on "Engineering Calculations."

During the following meeting on March 2nd, Mr. A. E. Petrie, Eastern Power Engineer for the Bell Laboratories, gave an enlightening talk on "What I Expect of the Young Engineer I am Going To Employ." On March 16, Mr. G. A. Anderson of the New York Telephone and Telegraph Company presented an illustrated lecture on "Transmission of Pictures by Wire."

Thus the initial season of meetings of the N. C. E. Student Branch A. I. E. E. has been carried on, a very successful season from our point of view. The Senior members of the society, who have been instrumental in its success, are leaving the college with the feeling that much good work will be accomplished by this organization.
American Chemical Society
N. C. E. Student Branch

Louis Balenson .... Chairman
Arthur Spinanger ... Vice-Chairman
Lewis H. Bates ... Treasurer
Vernon O. Drake ... Secretary
TWO years ago the students taking the Chemical Engineering course in the Newark College of Engineering felt the need of organizing a student Chemical Society. A meeting was held for the purpose of organizing this society with the formation of the N.C.E. Student Branch of the North Jersey Section of the American Chemical Society as the outcome. This occurred on January 8, 1926. The next step was the obtaining of a charter from the North Jersey Section. This was finally received through the efforts of our Dean, Mr. Allan R. Cullimore, who was secretary-treasurer of the North Jersey Section at that time. Since that date, our student chapter has functioned much after the fashion of the parent society.

Membership to the student chapter is open to all Chemical Engineering students who have successfully completed the first half year of college work. Graduates of the Newark College of Engineering are retained as members for two years after graduation. Meetings are held once a month, at which either outside speakers or students give talks or present papers. The student derives many advantages through his membership in the society. He hears talks by successful and prominent men in his profession. He has the privilege of attending any of the meetings of the New Jersey Chemical Society, and he is able to secure all the publications of the American Chemical Society at reduced rates. Many other advantages could be enumerated.

The first meeting of this school year was held on October 1, 1926. At this meeting a program committee, with George Dorn as chairman, was appointed, the duty of which was to secure an outside speaker or a student speaker for each future meeting.

At the next meeting on November 5, 1926, Frank Schetty delivered a talk on “Lithopone”, and Louis Balenson read a paper on “Hydrogenation of Oils.” Mr. Schetty gave a very good idea of how lithopone is made, while Mr. Balenson told of the history and development of the hydrogenation process.

There was no separate meeting of the society in December, but the society attended the joint meeting of the A. C. S., A. S. M. E., and A. I. E. E. At this meeting Mr. Barradale of the N. Y.-N. J. Interstate Bridge and Tunnel Commission gave a talk, illustrated by slides, on the Holland Vehicular Tunnel.

On January 6, 1927, the society was fortunate in having as the main speaker of the evening Mr. Charles L. Bryden, of the A. W. Straub Co., who gave an illustrated lecture on “Filtration.” Mr. Bryden showed the various kinds of filtering apparatus that are used in the chemical industry today. At this same meeting Andrew Mueller presented a paper on “The Corrosion of Metals.”

One of our next important meetings was that held on April 1, 1927. At this meeting some of the freshmen, who had survived the mid-year examinations, attended a meeting for the first time since they had entered college. Our president, Mr. Balenson, welcomed them in the name of the society, and proceeded to explain to them the purpose of the society, and the benefits that a student derives by belonging to it. At this meeting Alfred Werner presented a paper on “Ozone.”

Besides attending the regular meetings of the student branch, the members also attended several meetings of the North Jersey Section, A. C. S. As a whole, the year 1926-27 was considered a very successful one.
The Newark Technician

The 1927 Board

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The Newark Technician is published monthly by the Junior Class, and although only three years old, is serving admirably in bringing the College activities and coming events before the students. The 1927 Technicians differed somewhat from those of last year, in that several co-operative concerns were featured.

The 1927 staff brought about three new developments in connection with the Technician. The enlargement of the board to seven men; the awarding of the Technician Key to the members of the staff; and the later addition of some men from the Sophomore class to serve as a nucleus for next year's board; all were brought about, and will probably become permanent customs.
The Varsity Club

**Frank Schetty** ................................................................. President

**Nuncio Pico** ................................................................. Vice-President

**Solomon Fishman** .......................................................... Secretary-Treasurer

The Varsity Club is an honorary association composed of men earning their block "N" in varsity sports. It was formed this year with the purpose of promoting interest in sports at the college, and fostering the spirit of co-operation among the men on the teams.
Chess Club

Another step in the progress of the College this year was shown by the formation of the Chess Club, the ultimate object of which was the organization of a chess team to compete with those of other colleges in the vicinity, as it was believed that inter-collegiate competition should be carried on in other than athletic sports. The club was sponsored by Mr. Douglas Baker of the Faculty, who called the men together in October. As many of the men who were interested in the organization knew little or nothing about chess, Mr. Baker conducted a several weeks' course to teach the principles to the uninitiated.

In March the election was held, and Alfred Werner selected as President; George Dorn and Arthur Spinanger, Vice-Presidents; Meyer Yablowsky, Secretary; and William Morningstern, Jr., Treasurer. The team to represent the College in Inter-collegiate competition was carefully selected, and Werner, Schetty, Dunn, Balenson, Toth, Mueller, and Morningstern were chosen. Games were then arranged with other colleges. Weekly meetings are held for the transaction of business and discussion of various points brought up in regard to chess.

Bridge Club

This organization grew up this year when the germ of bridge-playing descended on several members of the Senior Class. Others were attracted to its standards, and now the Club boasts a good-sized membership of bridge addicts. Games are played during lunch period and after school in the College Commons, as a relaxation from arduous intellectual pursuits.

College Orchestra

This organization was formed for the purpose of furnishing music for dancing after home basket-ball games, for the Parents' Day program, and other events. It is composed of W. Morningstern, piano; W. Kastner, violin; C. Shaffer, banjo; B. Diebold, saxophone; J. Dvorak, saxophone; G. Randall, trombone; and W. Peet, drums.
HUMOR

AS '28

WHO IS GUILTY?
Excerpts from a Freshman's Diary

Sept. 20 The big day for the Class of 1930—school opens. Our dignity is insulted—we are forced to wear tags, caps, and green ties, and pay for the privilege.

Sept. 21 Hair-cutting begins. Meltzer receives his first haircut.

Sept. 24 Big Fresh—Soph free-for-all. No casualties.

Oct. 1 The annual football classic. The Class of 1930 is victorious over the "hard-berled" Sophomores. White socks left strewn on the field. Evening—big smoker. Freshmen formally introduce themselves.

Oct. 10 Stelljes first seen going from class to class with our co-ed.

Oct. 12 Columbus may have discovered half the earth a few years ago, but it doesn't mean a thing to us.

Oct. 15 Freshmen victorious today in rushing steps when only one Soph was on guard.

Oct. 21 Two Freshmen walk home from auto ride at noon. Frosh and Sophs clash on steps but Sophs have a strong defensive. Freshie marooned on isle in the wilds of Branch Brook Park to the chagrin of the park police.

Nov. 1 "Morpheus" Shuckman takes his daily nap in the English class, but "Doc" DuBois called on him this time.

Nov. 11 Armistice Day, Dean Cullimore tells us why we have no vacation.

Nov. 19 Mayfield is kidnapped by Frosh and has to walk back to college.

Nov. 22 Sophs give exhibition of tonsorial skill when three of the guilty Frosh forfeit scalps.

Nov. 23 Two more young hopefuls go to the guillotine.

Nov. 24 First vacation for the Class of 1930. All the Freshies are relieved, for a few days, from the iron rule of the Sophs.

Dec. 2 Thompson reveals the secret that he has already written four letters to Santa. That's why he is such a good boy lately.

Dec. 6 Shuckman went sleepless for a whole day. He must have insomnia.

Dec. 10 Freshman—Sophomore snowball fight. Frosh win by three hits.

Dec. 24 At last the day that the Freshmen have been waiting for has arrived. No more caps, green ties, or tags. At last the hand of oppression of the mighty Sophs is removed.
On the Campus

WILD rumor recently flew around that Jack Kane had forsaken his idealistic philosophy. However, an interview with our budding poet soon proved the falsity of this, and had Jack raving about the Brotherhood of Man and the angelic qualities of the Modern Girl.

It has been reported that George Kane and compatriots are learning to dance. The Senior Ball will mark their debut. “Georgie” certainly has grown up since his freshman days and short pants.

Runyon: “When the door of the electric refrigerator was opened, the cold air rushed in.”—Some ice-box.

It is rumored that:

- Weinstein sent out Senior Class meeting notices a week in advance.
- Brader did not mention his work at Westinghouse for one full day.
- Opdyke and Hull got girls for a dance one week in advance.
- Dierman was heard expressing an opinion.
- Diebold turned his back when Ripley started a story.
- Fishman admires the Splitdorf management.
- Goellner resented Runyon’s attempts at subordination.
- Tobler and Jack Kane once reported to class on time.
- Gibbons talked for five minutes without mentioning hurdling.
- R. M. Meyer once refused to make a speech.
- Werner no longer smiles in Contracts and Specifications class.
- Schetty is the only man in East Rutherford who has the nerve to take out a minister’s daughter.
- Runyon is graduating through the efforts (?) of a fellow Senior.
- Toth once tuned out a symphony orchestra to listen to a dance orchestra.
- Weidig will make another attempt to present a Co-ordination report.
- Pico will become a tonsorial engineer specializing in unique waves.
- Larry Koch has been bragging.
- Cunlife and Brader are cultivating their third chins.
- Balenson will be unfortunate in love because of his extraordinary luck at cards.
- Weinstein and Brader have described their trip to the Coast 9,997,605 times.

(Editor’s Note: This is a very low estimate.)
Acknowledgments

THE 1927 Kem-Lec-Mek is the result of the efforts not only of the staff, but of many men who saw the light and came forward with their services. We wish to take this opportunity to thank those who gave us this help.

To Dean Allan R. Cullimore we are indebted for the help and co-operation which he has given us. Prof. H. Graham DuBois deserves special mention for the work in his particular field which he did for us, and Profs. H. N. Cummings and F. N. Entwisle likewise, for the articles which they contributed.

Of the Seniors, Messrs. Dierman, Hull, J. Kane, Weinstein, and Tobler helped us in no small way in preparing material for the book. F. Schetty '27, and A. Spinanger '28, aided the Art Department with their drawings which adorn the pages of this volume.

Mr. D. S. Colyer, of the Colyer Printing Co., gave us many valuable suggestions and a great deal of co-operation in preparing the book.

Besides those specifically mentioned, many others have been of assistance in various lines of endeavours, but were we to attempt to name all these, we fear that we would soon find that we had overstepped our space. These men themselves, however, will know that this message of thanks applies equally well to them.

Last, but by far not the least, we thank our advertisers for their ads, without which the 1927 Kem-Lec-Mek would not have been a success.
Our Advertisers

The following advertising section is an index of the leading concerns in our community. We are more than thankful for their aid in making this year book a success. These companies are all worthy of your patronage, not only for their willingness to help materially in the success of the Kem-Lec-Mek, but for their reputation as a group of the most reliable firms in the Newark section.
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Oscar Wilde

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