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THE FRATECH

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The Fratech

PUBLISHED IN THE INTEREST OF AND BY THE STUDENTS OF THE NEWARK TECHNICAL SCHOOL AND COLLEGE OF ENGINEERING

For Advertising Rates, Address Advertising Manager

Contributions are cordially solicited from the students and graduates of this school "Fratech" Contribution Boxes will be found throughout the building

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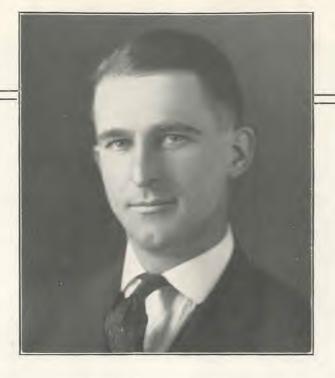
"Lest We Forget"

3

O THOSE of you who graduate in the evening classes of 1926 I have a word to say in farewell. Do not lose your contacts with Newark Tech. Remember those of us left behind at the school will always be very much interested in your welfare and your professional achievement. As the years go on we want if possible to continue to help you to reach the very highest point in your profession. Perhaps we of the faculty have not given you anything which you did not already have, but we have tried to drill and lead and direct, and above all we have tried to help you to realize yourself. As the years go on you may need a word from us, a recommendation, a bit of information, of advice, of suggestion. You must come feeling that not only are we glad to help but you must realize that the highest joy and satisfaction which we, your former instructors, experience is in helping you advance. When your work is not satisfactory and when problems of any sort arise, you must truly feel that we here in the school are interested in the progress of every one of our men, and you must not hesitate to come and see us.

And your keeping in close touch helps us and helps the school more than you can appreciate. Every educational institution is known and judged by the men it graduates, and every school grows and expands if its graduates keep in touch with their Alma Mater. Every man who is now a part of the school we want to remain a part of the school as long as he lives. It is very easy to drift away from your school friends and from your instructors. Do not do it. The time may come when you need them, and the school needs you always. The formal part of your education with us is finished, but why not begin an informal personal contact with the school; a sort of friendship between men, for we always will be interested in you and we want and must have your interest. So come back to Newark Tech as often as you can, and if you can't come, write. We do not want to lose you.

DEAN ALLAN R. CULLIMORE.





The Class of 1926

To appreciate the meaning of graduation from an institution such as the Newark Technical School, one must know the road these men have climbed. None can better understand than those who have made that climb possible and perhaps difficult. In a world full of distractions and amusements they have kept to the task and WON. To them it was a reward for effort and a lesson in the value of sacrifice of little things in order that bigger and better work may be accomplished. To their advisor it is a source of satisfaction and of pride in their determination to win.

They know that, having been trained and schooled in their chosen field, they will be looked up to as examples by those less fortunate and less able, and that they must be ever on their guard to measure up to the trust of leadership they now have and hope in the future to attain, and that more and not less will be expected of them in that leadership by those whom they follow.

They have learned to expect only as much in return as they have given of themselves; that by hard work only will they succeed in a world where men are measured by results and not intentions.

They are to be congratulated for the foundation they have built and for what they can erect upon it if they will.

William Netschert.



At The End of The Kainhow

With this issue of the Fratech the class of 1926 of Newark Technical School will pass on into history. All the effort put forth in the last few years, all the trials and disappointments encountered along that journey to knowledge—to which there is no royal road—is about to end, with the acknowledgment by the old school that we have been tried in the crucible, and not found wanting.

The years have flown, all too quickly, now that the end is at hand. The very atmosphere of Tech has breathed a spirit of helpfulness and we who are about to depart can mingle just a little thought of sorrow with those happy recollections of the many pleasant and profitable hours spent in the pursuit of learning.

There have been times in the past when we of 1926 were beset, all of us, with serious misgivings. The road has been very difficult and many times during a particularly stormy period, a temptation to discontinue our course and take the easier road which leads anywhere but to advancement almost prevailed. The particular type of education we must need secure in an evening school such as ours entails a considerable and lasting sacrifice. The very fact that so many of us have survived all the months and years of study and toil augurs well for the character, ambition and perseverance of the men that Tech is about to honor with the name of graduate.

Thus we have come to the parting of the ways. The storm clouds of doubt and uncertainty which have hovered about us are finally and definitely in the course of dissolution. And in the first glimpse of the wonderful new heaven that is ours we can perceive a beautiful rainbow, glorious in its brilliancy, tremendous in its scope, perfect in its symmetry. Looking closer we observe the translucent shades that make it so exceptional to behold. For mingling with the soft blends of color produced by the greatest Artist of all, are the royal red and purest white or our own fraternity—the orange and black of our own class of nineteen twenty-six and the green and white of the American Association of Engineers. There are other shades present in that rainbow, many of them well known to the various organizations that hold sacred the very name of Tech. But the whole, the complete picture we visualize in this panorama of the skies is a symbol that success has crowned our years of effort.

And at the end of the rainbow we have found our pot of gold. Not gold in the sense of the brilliant metal that men fight and die to secure, but gold in a higher and finer meaning of the term. Gold which is more than riches—gold which is knowledge of our profession, and bestowed with a lavish hand to those of us who have persevered in the service of the old school. So, just as she has cared for us, just as she has trained us, just as she would die for us, has our old school delivered to us our pot of gold from the end of the rainbow.

Autographs			
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In the pages immediately following, the Fratech presents the men of the hour— The Graduates of 1926



"Better untaught than ill-taught"

ALFRED BATES ANDERSON, Jr., A.E.
283 Argyle Place
Arlington, N. J.

"AI" is one of those young men who is bound to succeed. Some day we will expect to hear that the water supply system of the entire State is under his direction. He's an expert—on water.

× ×

GEORGE WALDEMAR BARLOW, A.E. 185 Weequahic Avenue Newark, N. J.

"BARL".......MECHANICAL ENGINEERING
"He does not say all he knows
But always knows what he says."

Member A. A. E.

"Barl" is one of our silent members. Yet with the usual effectiveness of a man who speaks not often, but correctly, he has been one of our best students.

* *

JOHN J. BIRD, A.E. 163 Summer Avenue Newark, N. J.

"Johnny" can leave Tech with an unusual record. Although happily married he has not missed a single night from school during his six years. And we attend five nights each week!

× 34

JAMES CLAIRE BOWMAN, A.E. 252 Franklin Street Bloomfield, N. J.

"JIM"..... ELECTRICAL ENGINEERING
"A steady man with steady mind,
A better man is hard to find."

"Jim" appears to be destined to rise to great heights. He not only has the ability, but the bearing of an executive.

"Every man is the architect of his own fortune"

CHARLES G. CALVANO, A.E.

393 South 11th Street Newark, N. J.

.........MECHANICAL ENGINEERING "Tho' at his books he's still sincere

He's hoping summer soon is here." Member N. T. S. Fraternity; A. A. E.

"Charlie" has been universally popular with his classmates. There is only one way he might be more so, and that is if we had co-educational work at Tech. Willing and efficient.

* *

GORDON HILLYARD CAMERON, A.E.

109 Rynda Road South Orange, N. J.

"CAMMIE"......CHEMICAL ENGINEERING "A lover of motor cars, and an admirer of the fair sex."

Member N. T. S. Fraternity; A. A. E.; Glee Club; Sgf. at Arms, Class of '26; Associate Editor Frateen, '26.

"Cammic" has been the cause of considerable worry to certain members of our class. They have never been able to determine for sure which dance he likes best. He does them all wonderfully well.

N .4

DANIEL D. CAPASSO 341 Third Street

Union City, N. J.

"DAN"......GENERAL TECHNICAL "Susceptible to Cupid's Darts."

Member N. T. S. Fraternity; Fratecu Staff '24, '25; Associate Editor Fratech '26,

'Dan' has earned his spurs in our class. His work on the FRATECH Technology pages has always caused favorable comment. We like him well.

* *

LAWRENCE T. CARLSON, A.E.

1391/2 Claremont Avenue Verona, N. J.

"LARRY"......CHEMICAL ENGINEERING "He has a will-and therefore skill."

"Larry" comes from far off Verona and manages to be very self-effacing at times. However, we learned to know him quite thoroughly during our studies at Tech. He's all right.





"Knowledge comes, but wisdom lingers"

GILFORD CHRISTENSEN, A.E.

117 Prospect Avenue Woodbridge, N. J.

We have often puzzled over the matter of "Chris" leaving school early each night. We thought there might be a woman in the case—but now we know differently. See where he lives!

* *

STANLEY COZZA, A.E. 499 So. Jefferson Street Orange, N. J.

"Stan" comes from Orange, way up near the mountains. Maybe that's why he does such lofty thinking at times. He is a real worker for the class.

* *

GARRET DEN BRAVEN, A.E.

82 Elm Street Kearny, N. J.

"GARRY"......ELECTRICAL ENGINEERING
"Fair, square and debonair."

N. T. S. Fraternity, Vice-President, '26; Fratech Associate Editor, '25, '26; Class Treasurer, '26.

"Garry" we have found to be eloquent and convincing, especially when he thinks he's right, and usually he is quite right.

* *

ARTHUR LOUIS DOMARATIUS, A.E.

24 Spencer Street Elizabeth, N. J.

Member N. T. S. Fraternity; A. A. E.; Class Bowling Team, '26; Fratech Staff, '26.

"Art" is one of Elizabeth's contingent who came to Newark for a course at Tech. He always claimed Elizabeth was a great town, but he usually smiled when he said it. "He is idle that might be better employed"

JOHN GIBB, A.E. 114 Third Avenue Newark, N. J.

Class President '25; N. T. S. Fraternity; A. A. E.; Fratech Staff, '26.

If our class has one man who stands out above all the others for real endeavor and enthusiasm for the class it is this same John Gibb. He helped in many a difficult situation.

* 1

FREDERICK HIGHFIELD, A.E. 65 Hollywood Avenue East Orange, N. J.

"FREDDY"......MECHANICAL ENGINEERING
"An Englishman—with sense of humor rare."

Member A. A. E., Class Secretary '25.

"Freddy" has clearly earned the title of class humorist. Many a tedious session has been lightened by his irresistible flow of humor. A natural mimic is he, and at his best in company.

* *

ALFRED C. HOLDEN 287 So. Seventh Street Newark, N. J.

Member N. T. S. Fraternity; Class Bowling Team 1926.

"Al" has been one of our optimistic young men. Aside from his technical ambitions he aims to roll a perfect bowling score some day. A winning youth with a likable personality.

* *

HARRY HOLDER, Jr., A.E. 54 Grove Terrace Irvington, N. J.

"HARRY"......ELECTRICAL ENGINEERING
"Small in stature, but large in ability."

Member N. T. S. Fraternity; A. A. E.; Glee Club.

Harry is one of our babies, but only in size. His smile and never failing good humor more than make up for his inability to reach six feet in height before he graduates.





"The wise

shall understand"

WILLIAM A. HUETTL, A.E.

618 Floral Avenue Elizabeth, N. J.

"BILL"......MECHANICAL ENGINEERING
"Neat and fastidious—but rarin' to go!"
Class Historian '26; Bowling Team '25, '26.

"Bill" is usually quiet and reserved, but sometimes his eyes twinkle a bit and then the rest of us must watch out. For when he does start, he takes a long while to stop.

\$ 30

HARRY JURNECKA, A.E.

512 Livingston Street Elizabeth, N. J.

"HARRY"......CIVIL ENGINEERING
"When night hath set her silver lamp on high,
then 'tis time for study."

Member N. T. S. Fraternity; President A. A. E., '26; Fratech Staff '23, '24, '25; Associate Editor Fratech '26; Bowling Team '26.

Harry has come up from Elizabeth regularly for quite a few years to study at Tech. But sometimes he would rather study in Elizabeth at a time when all good people should be in bed. Great minds work in wondrous ways.

* *

FRANKLIN WILLIAM KENNEDY, A.E.

45 Rutland Avenue Arlington, N. J.

Member N. T. S. Fraternity; A. A. E.

"Frank" is the type who help steady any organization and we of '26 can appreciate his worth. It's not really his fault that he lives in Arlington; just think, it might be Harrison.

* *

CHARLES JOSEPH KIERNAN, A.E. 94 Ridgewood Avenue

Newark, N. J.

N. T. S. Fraternity, Board of Managers '26; Bowling Team '25, '26; President A. A. E. '24; Class President '26; Fratech Editor-in-Chief '26.

"Charlie" has been an ardent worker in the cause of the various activities in Tech. Where there was work to be done, he was willing and where there was talking to be done he was also willing.

"A good educations begets happiness"

_B++

HERBERT ADAM KOLB, A.E. 31 Ward Place South Orange, N. J.

Member N. T. S. Fraternity.

We understand that "Herb" has a very good reason for having arrived late at school several times during the past year. We would not dare to question him about it, but we excuse him anyway.

* *

CHARLES HENRY MAYER, A.E. 420 Westfield Avenue Elizabeth, N. J.

"CHARLIE"......ELECTRICAL ENGINEERING
"Tall and rangy, but not rambling."

Class Vice-President '25; Member N. T. S. Fraternity; A. A. E.; Fratech Staff '24, 25, '26.

"Charlie" is one of our brilliant minds. He comes from Betsytown and the school is the gainer by his five-mile trip each night. He works, not showily, but effectively, at whatever task may be assigned to him.

* *

ALEXANDER METULES, A.E. 9 Finlay Place

9 Finlay Place Newark, N. J.

"Al" has always been popular in our class because of the many funny stories he has at his command. Yet he was among our best workers in various activities of the class, and we appreciate him fully.

N 38

JOSEPH NATALE, A.E.

127 Prospect Street Newark, N. J.

"Joe" has managed to work in a few "Charleston" lessons during the past school year. He says it's much easier to learn than engineering. We cannot doubt this statement, "Joe" hails from the mighty Ironbound.





"United we stand, divided we fall"

GEORGE HERBERT PATTERSON, A.E.

23 Franklin Street Vauxhall, N. I.

"PAT".....ELECTRICAL ENGINEERING
"Silence is the one great art of conversation."

"Pat" has had a very busy time of it at Tech. Not much was seen or heard of him at our various meetings, but nevertheless he is one of the foundation stones of our class. Of the quiet but effective type, it is a real pleasure to have known "Pat."

* *

HERBERT MICHAEL ROEDER, A.E. 46 Durand Place Irvington, N. J.

"HERB".... ELECTRICAL ENGINEERING
"Destined to ascend to inaccessible heights."

"Herb" has made himself immensely popular with the rest of us by his unassuming manner. Though he usually did not have very much to say, there were times when he did speak out—and then all of us listened closely.

* *

JOHN ANTHONY RUCH, A.E. 372 Alden Street Orange, N. J.

"JOHNNY"......ELECTRICAL ENGINEERING
"He always strove to get ahead
But we envied his cheeks so red!"

Member N. T. S. Fraternity; A. A. E.; Glee Club.

"Johnny" is one of our more modest members. He is shy almost to the point of fear, it seems, but those of us who were privileged to be associated with him know him for what he is—a student and a gentleman,

* *

EDGAR BENJAMIN SHROPE, A.E. 850 Grove Street Irvington, N. J.

"Ed" is one of our real brain workers. He could not attend many class meetings because his Tuesday evenings were taken up with another engagement. We always thought Irvington was like the rest of the country, but they keep engagements Tuesday night instead of Wednesday in that town.

"A trained mind is a valuable asset"

JOSEPH ROBERT TUNNER, A.E. 550 Second Avenue, East Roselle, N. J.

Member N. T. S. Fraternity; Class Treasurer 1924-1925; Class Vice-President 1926; Class Bowling Team 1926; Fratech Staff

We hear that "Joe" is graduating twice this year. He receives a diploma from Tech and he loses his bachelor's degree at the altar very soon. We congratulate this ardent class worker for both successes.

* *

VINCENT VITALE, A.E.

27 Lake Street Belleville, N. J.

Member N. T. S. Fraternity; A. A. E.; Class Secretary 1926. "Vince" has been a very good man handling a very difficult job in his position as secretary of the class. He has done the work to perfection and we have learned to appreciate him at his true value for it.

HOWARD JOHN WENDLER, A.E.

127 Camden Street Roselle Park, N. J.

"HOWIE".....ELECTRICAL ENGINEERING
"Acquire the knowledge of something about everything
and everything about something."

Financial Secretary N. T. S. Fraternity 1926; Vice-President A. A. E. 1926; Treasurer Glee Club; Class Bowling Team 1925-1926; Track Team 1925; Associate Editor Fratech 1926; Basketball Team 1925-1926.

"Howie" is one of those young men who work hard merely for the pleasure it gives him as well as others. He is responsible for the the design of the heading at the top of each group of pictures and as a designer he is par excellent. A real man of accomplishment.

JOHN WYND, A.E. 144 Wilson Avenue

Kearny, N. J.

"JOHNNY"......MECHANICAL ENGINEERING

"No passing whim bids me press on."

"Johnny" is tall and slim—and happy. Those of us who were privileged to know him at his true worth can realize that the class is fortunate in having men of his type. A good man to have around.





"The good that men do lives after them"

BENJAMIN BLUME 170 Main Street Rahway, N. J.

"FAT".......SANITARY HOUSE DRAINAGE
"I may be fat, but I still retain my girlish figure."

Member N. T. S. Fraternity.

"Fat" is probably the best known member of his section of our class. The way he can cavort around a basketball court is a caution. He denies that he is so round they mistook him for the ball in one game.

* *

BENJAMIN DAVIS 775 So. 17th Street Newark, N. J.

"BEN"......SANITARY HOUSE DRAINAGE
"I come from Newark—not Rahway."

"Ben" always had a fear that he might be confused with the other "Ben," who hails from Rahway. There is just as much difference in their weight as there is in their size. Figure that out!

* *

ALBERT DEUCHLER
159 Court Street
Newark, N. J.

"SCHNAPPS"......SANITARY HOUSE DRAINAGE
"I will follow in the footsteps of greater men than I."

We are not sure that "Schnapps" is the right name for this young man. We are of the opinion that when his classmates tagged this name to him they hardly realized that he is still quite young. However, he knows his business, so what's is in a name, anyway.

* *

FREDERICK KUNZ 65 Ridge Avenue West Orange, N. J.

"Fritz" comes from the foot of the Orange Mountains out there where men are men. He made a long trip to school each night, but his only regret is that aeroplanes are not more common. He has a lot of parking space on Eagle Rock.

"The Engineers will lead the way"

WALTER McCORMICK 43 La France Avenue

"Mac" is one of our young sheiks. He thought he was fooling us when he used to miss school once in a while, but we knew he was some place else than home in Bloomfield.

4 4

CHARLES H. MOCKSFIELD 415 South Clinton Street

East Orange, N. J.

"MONY"..........SANITARY HOUSE DRAINAGE
"I come from East Orange, but I don't like fruit."

"Moxy" claims that they named a certain well known beverage after him. But on looking at his picture we incline to the belief that he reverse is true. His ambition is to be known as an expert in his line, so we must like him for that.

* *

VALENTINE M. OBERICH 763 South 20th Street Newark, N. J.

"SLIM"......SANITARY HOUSE DRAINAGE
"My one ambition is to be ambitious."

"Slim" has worked quite hard during his course, but he is not so slim that you could see through him. His right name is Valentine, but he was not born on February 14.

* *

HENRY SCHAEFER 77 South 13th Street Newark, N. J.

"DUTCH".....SANITARY HOUSE DRAINAGE
"A master plumber I will be."

"Dutch" is one of those young men who aim high. According to his classmates he will never be satisfied until he lands one of those hundred thousand dollar contracts. And then he will be sorry that it is not for a million. A good man to know.





"If it is not right,
do not do it"

PETER BROADLEY

459 Franklin Street Elizabeth, N. J.

"PETE"—"BLONDIE"...... ENGINEERING DRAWING
"Time flies with me—I am so busy."

"Pete" has only become known to us during the past year but now we feel that we have known him for a much longer time. We can praise his good points for he has so many, and we can easily forget his bad points because we never learned of any.

* *

WILLIAM KENNEDY

115 Springdale Avenue East Orange, N. J.

"KEN" ENGINEERING DRAWING
"Some day his designing will herald his name."

"Ken" hails from East Orange, but we forgave him long ago for that. We are sure that the time he spent at Tech was prolitable both to himself and to the school, and now that it is over

× ×

with he says he wishes it was just starting.

HAROLD JOHN KISTNER

538 Bergen Street Newark, N. J.

"Kiss" has convinced us during the past year that under no circumstances can a man be judged by what his friends call him. He has co-operated splendidly with the class organization and he was always willing to do his share of work and then some more.

* *

EDWARD JOHN PATROVIC 227 Inslee Place

227 Inslee Place Elizabeth, N. J.

"ED"—"PAT".....ENGINEERING DRAWING

"Some day I will design a perfect bowling ball."

"Ed" distinguished himself during the past year by his work on the class bowling team. We became acquainted with him through his wonderful "hook" ball, and many a time he swept the alleys with it.

ARTHUR BRUNO LOEWNER, A.E.

111 North Fourth Street Newark, N. J.

..... MECHANICAL ENGINEERING "Music hath charms to soothe the technical breast."

"Art" has been one of our more recent arrivals, but even in the short time we had to know him he has made a fine impression with his soldierly bearing, sterling character—and wonderful music.

JAMES VINCENT PRIFF, A.E.

20 Elm Street Elizabeth, N. J.

......CHEMICAL ENGINEERING "He cared not for Economics but he loved Chemistry."

"Jim" is a chemist through and through. We can almost visualize him in years to come startling the world with his scientific discoveries.

HENRY VIOL, A.E.

137 Dalton Street Roselle Park, N. J.

"HENNY"..... MECHANICAL ENGINEERING

"My smile is expansive as the rising sun."

Member N. T. S. Fraternity.

"Henny" comes from far off Roselle Park. He is one of our members who never forgets to smile, even though a smile were not called for at a particular time. We all like "Henny" for his naturalness. He is a real Tech product.

GEORGE BLYTHE

170 Jacques Street Elizabeth, N. J.

...... ENGINEERING DRAWING "GEORGE".....

"Blithely on my way I go, for time is flying."

"George" is one of our expert draftsmen. He will be heard from some day with his design of a fifty-story building for his home town. Of course, Elizabeth needs some

PIERRE DE LA MOTTE

95 Morse Avenue Bloomfield, N. J.

...... RELATED MACHINE DESIGN

"The flowers bloom always in my home town." "Mottie" says that Bloomfield is the best town in the world. Whether this is true not we cannot say. "Mottie" is entitled to his opinion, of course, so it is stated here. or not we cannot say.

NICHOLAS K. TORSKY

38 Washington Street Harrison, N. J.

.ENGINEERING DRAWING "TROTSKY"..... "You'd never KNOW he comes from Harrison."

"Trotsky" works too hard—sometimes. Sings constantly at his work, or some times varies it with a whistle. His refrain is usually "The Prisoner's Song." Can that have a deeper meaning? We are not sure.

MILOS VALTER

555 Meadow Street Elizabeth, N. J.

"VALT"..... ENGINEERING DRAWING "A quiet youth with easy manner."

"Valt" is a steady worker who seems happy while he is working. He is another illustrious son of the city of Elizabeth. He thinks that next to Tech, the best thing in Newark is the car that takes him home.

ALBERT JASIN WHITEHURST

90 North Mountain Avenue Montclair, N. J.

..... ENGINEERING DRAWING

"Al" is so quiet and steady about his work that we are not aware he is around at times. However, his smile is infectious and we have never heard him grouch. And that's a rare characteristic in a really good draftsman.



Charles J. Kiernan	. President
Charles J. Kiernan	e-President
Vincent Vitale	. Secretary
Garret Den Graven	Treasurer
Gordon Cameron Sergea	nt-at-Arms
William Fluetti	Historian
Mr. William Netschert	y Advisor

At the numerous meetings held since the publication of the spring issue of Fratech many important matters have been attended to, and ere this issue is in your hands we hope to have accomplished all that is necessary before we depart from the beloved walls of "Dear old Tech." Committees and officers are working hard and no blame can be attached to them should anything go amiss.

The permanent organization which is to be formed from the class organization promises to be well represented by each division. Only a few of our members are not desirous of carrying on. It is planned to hold a reunion at least once a year. If all members derive as much pleasure from our permanent organization as has been derived from our present one the success of that organization is assured.

THE FACULTY—OUR ELDER BROTHERS

Of such length and such intimacy has been our association with our instructors and the other members of the faculty that we feel nothing short of calling them our elder brothers seems fitting. Their generosity in imparting to us all knowledge at their command, their remarkable patience and their kindly advice so freely given are things we shall never forget. To extend to our Dean, our Class Advisor and all our instructors, our sincere and grateful thanks seems paltry but we can do no more. So may God bless them all and may they be ever favored with that which they desire is the sincere and parting wish of the Class of 1926.

Lest we forget, our first chance to hold a little reunion after graduation will occur on Wednesday evening, May 5. The Alumni, of which we will then be members, wants us all to attend the big banquet at the Robert Treat. They want to meet all the new members. Will we be there? Yes—100 per cent.

CHEMICAL ENGINEERS-LADIES' NIGHT

The budding chemical engineers, with the able assistance of Dr. Crane, held a ladies' night on Wednesday evening, March 24. During the evening the ladies were initiated into the intricacies of the manufacture of synthetic drugs, dyestuffs, and several other spectacular features of chemistry. L. Carlson ably demonstrated the manufacture of synthetic oil of wintergreen, G. Christensen the manufacture of phenolphalein, G. Cameron the silvering of mirrors, J. Gibb the manufacture of alphanapthol blue, J. Martino the manufacture of Fluorescein and eosine. Dr. Crane demonstrated the fluorescence of Fluorescein with the aid of a violet ray machine.

After completing the demonstrations, the chemistry of the different ones was explained by the individual students. The ladies present included Mrs. Crane and the Misses Carlson, Christensen, Frederick, Florence, Gilluley, and Tunner, all of whom voted the evening a remarkable success and expressed the desire to be invited to another in the early future.

CLASS OF 1926

Ever since its formation early in the second of our four years in Tech., the class of 1926 has been a factor in all matters pertaining to the school.

The outstanding accomplishments of our organization are: the selection of a graduation key design, which, we hope, will become the future standard design, the staging of two extremely successful dances, and the starting of inter-divisional bowling. The successful interclass bowling tournament owes no small measure of its success to the class of 1926. We have digressed from the beaten path in other matters which will be known in due time.

CLASS WILL (1926)

We, the graduating class of 1926, being about to pass out of this realm of education, in full possession of a crammed mind, exceptional memory and unusual intellect, do make and publish this, our last will and testament, in so doing revoking and making void all former wills or idle promises which may have been made singularly or collectively by the members of this class.

As to such estate we wish to dispose as follows:

We bequeath to our esteemed faculty a long peaceful respite after their conscientious aid in piloting us through the ups and downs of four (in some cases six) years of mental training. We are sure that we have caused them unmentioned trouble and worry and feel that they have done their duty exceedingly well and earned their just reward.

ITEM 2

We also bequeath to the faculty all of the amazing and startling information we have provided in our many classes. These include new methods of doing algebra, trigonometry, calculus, etc. Also the many new formulas that have been invented, and of theories derived that would startle some of the old masters. We know that the faculty will recognize the intrinsic value of this bequest and will use and bestow it upon others accordingly.

Of our many possessions we think most highly of our school paper, The Fratech, and do hereby give and bequeath the same to the Class of 1927 with sincere hopes that they will maintain the high literary standard that we have placed upon it. With this bequest we also leave the many unused technology articles, jokes, etc., that are now in our possession. Also any news of

our illustrious achievements in the future.

ITEM 4

The following individual bequests, although trifling, we hope will be accepted in the same spirit which behooves us to make them.

First—To Mr. Wm. Netschert, professor, class advisor and friend, we wish to give our utmost and sincere gratitude for the help he has given us in our class organization. May he continue in the highest esteem of the students of the N. T. S. and may he ever be present at our class requires.

Second—To the class of 1927 we wish to leave our places in economics. We have all realized the value of the subject and sincerely hope that our successors will fare better with the "crossword puzzles" than we have.

Third—The electrical group leaves Mr. Nims the electrical lab intact(?), and the chemistry group leaves Mr. Dull the chem. lab in the same indefinite state. Fourth—Some of our more brilliant students leave some of their surplus brains for the use and disposal of the entire class of 1927 (not that they need them but they're always nice to have).

Fifth—We leave unstintingly all our good times to future classes who will use Room 19-A on Friday nights of the fourth year.

Sixth—To the chemical students who follow, the chemical group leaves all of the apparatus they have broken in the past four years.

Seventh—Those of us who have taken calculus wish to impart the information that we have labored hard to get, *i. e.*, the moment of inertia is the moment of inertia for the same reason that a cucumber is a cucumber.

Eight—To the class of 1927 we give our seats and class rooms. The seats are to be given to whoever gets them first.

Ninth—We also give to the class of 1927 our sole right to strut around the hall as dignified seniors.

All the rest and residue of our property, whatsoever and wheresoever, of what nature, quality or kind, so even it may be, and not herein disposed of, we do give and bequeath to Dean Cullimore to be disposed of wholly according to his discretion.

We do hereby appoint said party sole executor of this our last will and testament.

In witness whereof, we, the class of 1926, the testators, have this our will, given under hand and seal the last month of our school years.

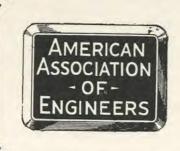
(Signed) Newark Technical School Class of '26

VINCENT VITALE, Secretary.

Witnesses:
O. U. Calculus
I. M. Economics

OUR CHAMPIONS

Sheik	Cameron
Question Asker	Capasso-Barbieri
Committee	Key Committee
Sergeant-at-Arms	Highfield
Bowler	Natale
Class Cutter	Christensen
Woman Hater	Gibb
Kidder	
Designer	Wendler
Sulphur Chemist	Carlson
Auto Wrecker	Holder
Orator(?)	Martino
Sleeper	Calvano
Relay Man	Bowman
Strong Man	Armstrong
Aviator	Bird
Candy Eaters	Huettl-Barlow
Sampler	Priff
Precise Calculator	Kennedy
Bridge Builder	Shrope



NEWARK TECHNICAL SCHOOL STUDENT CLUB

AMERICAN ASSOCIATION OF ENGINEERS CHARTERED 1922

H.J.W.

President	Charles Conra	10
Vice-President	Carl Stueble	er
Secretary	Ed. Bill	er
Treasurer	Joseph Scher	et

The A. A. E. School chapter wishes the members of the graduating class good luck as they step out into the work equipped with the knowledge and professional ideals which they have gained at this noble school.

The men who have gone before have succeeded notably. It is for present and future graduates to emulate their successes, remembering always that honesty and hard work are the two factors that make success certain. We bid them god-speed!

J. Charles Conrad.

ANNUAL MEETING

On Friday, March 5, the A. A. E. N. T. S. Club held its annual election of officers for the 1927 school term. At this meeting Charles Conrad was elected President; Carl Stuehler, Vice-President; Ed. Biller, Secretary, and Joe Scherer, Treasurer.

REGULAR MARCH MEETING

The March 19 meeting was the most interesting one any of the younger members ever attended. It was taken over largely by the initiation of the new members and by the feed which was given in honor of the members of the Class of '26 who are leaving us this year. Any A. A. E. members who were foolish enough not to attend, surely missed something.

It was unanimously agreed by the members present that a letter of consolation be sent to Mrs. Colton for her recent bereavement, the said letter to be modeled after the resolutions which were published in the last issue of The Fratech.

The meeting closed with a rousing cheer for the Feed Committee, and they deserved it.

One of the high spots of this meeting was the address which Mr. Heilman rendered at the request of the members present. Mr. Heilman, you know, is our patron saint. He gave us some sage advice concerning our work and our future. We were proud to learn from him that Newark Tech-

nical School has the only Student Club Charter ever given to a night school. This is a distinction in itself big enough to make all eligible students wish to join our club. This distinction, which is our school's, is the result of Mr. Heilman's own efforts in our behalf.

A TRIBUTE

By Carl Stuehler

The A. A. E., Newark Technical School Club, owes a debt of gratitude to the Class of '26 which it can never repay. It owes its very existence to the devotion of some of the '26 members who have stuck to their jobs despite the storms which our organization has gone through. Now that we are again riding the tranquil sea of better understanding, co-operation and prosperity, it is proper that we reflect for a while, what these members have done for us.

They have given us one of the best constitutions which the student clubs of the A. A. E. have,

They have given us an organization which is unique in that it is the only one which has a Student Club Charter belonging to a night school.

They have given us some of our best officers and most active committees.

They have gotten, for the school, some of the best lecturers obtainable in this part of the country.

They are now going to join our Newark Chapter of the A. A. E. as Senior Members and from there we shall, no doubt, hear from them from time to time.

Fellow members: doesn't their example of faithful service make us strive to carry on their good work?

All the high flown words in the English language cannot express our gratitude to the Class of '26 more eloquently than our faithful endeavor to promote our Association's welfare with as much fidelity as they did,

FACULTY NOTES

Mr. Heilman has been invited to act as toastmaster at the joint banquet of the alumni and fraternity which will be held at the Robert Treat on Wednesday, May 5, 1926. The affair will be broadcasted through WNJ and Mr. Heilman is busy preparing for his appearance before the invisible audience.

Mr. Davenport, Mr. Bauder, Mr. Eschenfelder and Mr. MacDonald are receiving congratulations on their successful entrance into the Newark Technical School Fraternity.

Mr. Cullimore has entirely recovered from his recent illness. We trust it will be at least fifteen years again before he is forced to stay away from his daily routine on account of his health.

Mr. Metzenheim is finishing his first year as assistant to Mr. Lavenburg. He surely has made a success of his new position.

The sympathy of all is extended to Prof. Krausnick, whose father recently underwent a serious operation for internal trouble. At the present writing the outcome seems to be favorable for eventual recovery of Mr. Krausnick.

Many members of the faculty attended the memorial service for Dr. Colton at the First Presbyterian Church on March 28.

Mr. Netschert is just finishing his duties as advisor to the class of 1926. He has guided the class safely through its existence.

Professor Bradley is recovering slowly from severe burns incurred in the Chemical Laboratory several weeks ago. Mr. Bradley's glasses prevented possible severe injury to his eyesight.

The Faculty Basketball team defeated the College Senior team on March 12th by a score of 7 to 6, after a contest replete with thrills of all sorts. From the accounts of eye witnesses, this unexpected turn of events was caused by the unwillingness of the Faculty to play the part of the corpse in the slaughter which had been planned. Something went wrong, somewhere. The academic atmosphere that had evidently been expected was almost entirely lacking, and before the Senior team could fathom the change, the damage had been done. Mr. Roberts and Mr. Sweizer obliged with a field goal apiece. Mr. Nims successfully topped the Senior center on the tap off, and there you have it.

The Fratech Staff for 1927

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Principles of Pile Driving

By Arthur L. Domaratius Class of 1926

The principles of pile driving in relation to the various types of piles could be made so voluminous that the following article is devoted exclusively to the driving of timber piles only. The importance of the driving of timber piles is also emphasized when we realize what a large percentage of structures are built upon pile foundations where timber piles can be used to a great advantage, considering the type of design, location, economy and the conditions to which the pile is subjected. The three distinct and important types

of piles are timber, concrete and steel.

One important type of structural design in which timber piles are best adapted and most effective is dock construction. The reason for this is that a treated timber pile can well withstand the errosive effects of salt water. Location plays an important part in timber construction because of the different atmospheric conditions which are prevalent throughout the country that have a disintegrating effect on the type of structural material used. The proximity of a timber forest associated with the general efficiency and utility of a proposed structure also tends to make it desirable to use timber piling. Economy is a very important factor in all construction work and must therefore not be overlooked. The economical viewpoint is exemplified when piles are used so extensively and in such large quantities and that the required efficiency of the structure is of such a degree that it would be less expensive to use timber piling than any other kind.

The nature of the ground or subsoil into which a pile is driven is one of the deciding elements that governs the kind of pile to be used. For example, timber piles driven into marshy land at a common spacing of four feet provide sufficient bearing power to satisfy a great many engineering requirements.

A pile is defined as a large column or member driven into the ground and being supported by the friction of the ground on its surface and the underlying strata. Since there exists, in most structures of importance, forces that are vertical, horizontal and diagonal, piles are divided into three denominations to resist those forces. They are: (1) bearing pile; (2) batter pile; (3) sheet pile. (1) A bearing pile is one that is driven vertically into the ground and performs the duty of carrying a superimposed load. (2) A batter pile is one driven at an inclination to resist these forces which are not vertical. They are usually driven to make an angle with the horizontal of about sixty degrees. (3) Sheet pile is that type which is driven in close contact in order to provide a tight wall, to prevent leakage of water and soft materials, or driven to resist the lateral pressure of adjacent ground. Piles also function in such a way so as to compact the soil that they are driven into.

Before the actual driving of piles begins, the most important prerequisite to the design and construction of pile foundations is a thorough exploration of the soil by borings or a preliminary driving of test piles. For economic reasons a thorough investigation of the soil, at the site of the proposed structure, is necessary in order to determine the proper length and diameter of a pile. Should this economically important exploration be neglected, it may result in the entire loss of the structure or a greatly augmented cost due to an entire revision of the plans and specifications of the structure involved. The conditions that are to be met with in the actual driving of piles are determined by the preliminary driving of test piles, where the penetration is made known in order to ascertain the length of pile to be used. If a pile is driven to a certain depth and

reaches a point of refusal it indicates the existence of some impenetrable material below the surface of the ground such as stratums of rock or hard pan. These stratums of rock furnish ideal foundations for piles to rest on, but are not always to be had. The distance from the surface of the ground to where the pile refuses to go any further plus the distance it should extend upwards from the surface for construction purposes, furnishes a basis upon which an average length of pile to be used is decided upon. This does not mean that piles can only be driven where they depend on underlying strata for support. On the other hand, if piles are to be driven where no geological formation of underlying strata exists, the effectual power or resistance of a pile will depend solely upon skin friction which is due to the compactness of the ground. In this case the length of a pile can be determined by driving until a penetration, that produces the required resistance, is attained.

Another means of determining the nature of the subsoil is by taking borings with the aid of a hydraulic pump. This method is accomplished by the following arrangement and is known as wash borings. At the place of boring a circular shaft or pipe approximately three inches in diameter is driven to a required depth. Inside this pipe another pipe about an inch and a half in diameter is inserted which transmits a flow of water under pressure that is fed from a hydraulic pump. When the inch and a half pipe is lowered inside the larger pipe and ejects a stream of water due to the pressure of the pump the soil is loosened and therefore jets its way into the earth. The soil that is thereby loosened is forced up the larger pipe to the surface of the ground and received in a container. The soil is taken from different depths at such intervals so as to make known the kind of material to be encountered with at those certain depths. After the soil is brought up it is put in containers and sent away for an analysis.

Hammer Driving

Piles are driven by the use of either a drop hammer or a steam hammer. A drop hammer is usually a weight that is raised by means of a rope and allowed to drop on the head of a pile, imparting an energy that forces the pile downward. The weight and drop should be in proportion to the weight of the pile and the character of the soil to be penetrated. A steam hammer is one which is automatically raised and dropped a comparatively short distance by the action of a steam cylinder and piston supported in a frame which follows the pile.

The action of a hammer is sometimes injurious to a pile in the respect that the blows might rupture it by splitting or cause the head of the pile to broom. The brooming of a pile usually takes

place when the impact of the hammer causes the fibers to become separated at either the head or the tip of the pile. This is generally due to over-driving which is one of the dangers encountered in pile driving and invariably occurs when the hammer is observed to be bouncing. Overdriving is also indicated by the bending, kicking or staggering of the pile. A steam hammer has one advantage over a drop hammer in the respect that the penetration of a pile is secured without injury to it due to the shorter interval between blows.

One of the most effective means of avoiding injury to piles by overdriving is the use of a water jet. In this a stream of water is ejected at or near the point of the pile, the water rising along the sides of the pile and removing nearly all the end and side resistance. At times the pile will sink by its own weight without the aid of any extra pressure. Where the soil consists wholly or chiefly of sand, the conditions are most favorable to the use of a jet. In harder soils containing gravel, the use of a jet may be advantageous, provided the jet be operated under sufficient volume and pressure.

Determination of Bearing Power

The bearing power or resistance of hammer driven piles is usually recorded while the actual driving of the pile is in operation. In order that the efficiency of an involved structure be known it is necessary that the bearing power of every pile be calculated for a specified maximum load which it is to sustain. In practice this is accomplished by detailing a man to record data, while the pile is actually being driven, as regards the weight of the hammer and its average height of free fall in feet and the average penetration of the pile in inches for the last few blows. It might be important to know that the resistance or bearing power of a pile driven at low tide is increased at high tide on account of the extra compression of the soil. Where the bearing power depends principally upon skin friction a pile is usually allowed to rest for twenty-four hours after driving, before testing its penetration. This is very evidently perceived because of the fact that the soil, which was loosened due to the impact of the driving, is allowed to settle and grip the pile firmly which insures a greater bearing power. If a pile is driven into a soft yielding or mucky material and bears upon a hard stratum at its foot, its strength must be determined as a column because of the lack of sufficient lateral support.

The data that is collected in the field is applied to formulae to determine the bearing power of a pile by calculation. Eminent engineers have derived several formulae that give very satisfactory results and can be safely followed under all circumstances. The following formula published by the Engineering News and known as the Engi-

neering News' formula, is very simple.

(1)
$$L = \frac{2 \text{ w h}}{\text{s} + 1}$$
 (For drop hammer)

(2)
$$L = \frac{2 \text{ w h}}{\text{s} + 0.1}$$
 (For steam hammer)

in which L =safe load in tons, pounds, or other units; w = weight of hammer in same unit; h = fall of hammer in feet; s = penetration of pile in inches at the last few blows. This formula gives a factor of safety of 6, i. e., the actual load which the pile can safely carry is only one-sixth of its total bearing power. It is shown above that the formula for calculating the safe load for a pile driven by a steam hammer is the same as that for a drop hammer with the only exception that the (0.1) in the denominator replaces unity in formula (1). In both formulae the value of w h represents foot-pounds energy expended. In formula (2) a proper value of w h is arrived at by knowing the functioning properties of the steam hammer such as the weight of the striking parts, the stroke of the piston, the diameter of the piston and the amount of steam pressure the hammer is operating under. The total energy expended by the hammer can then be found by:

the weight of the striking parts in pounds multiplied by the stroke in feet of the piston. plus the total steam pressure in pounds exerted on the piston multiplied by the stroke in feet.

The above formulae have been very widely accepted as experience has proved that they give as accurate results as can be required in any event. The uncertainties attendant with pile driving are so numerous that it would be futile to attempt to evolve a more accurate formula.

Lady (at Times Square)—Boy, how do I get to Washington Square?
Urchin—Aw, get the "L" downtown.
Lady (hastily retreating)—Brat!—Tiger.

TOO EAGER

Him—You should see the altar in our church! Her—Lead me to it!

"What a charming baby! And how it resembles your husband!"

Gracious, I hope not! We adopted it!"
—Punch Bowl.

Prof. (in auditorium)—This exam, will be conducted on the Honor System; please take seats three apart and in alternate rows.—Rammer Jammer.

THE SCHOOL GOSSIP

By G. D. B.

ONE NIGHT A LITTLE while ago THE CLASS of 1926 MET IN regular meeting. JUST AS WE WERE getting started A STATELY lady ENTERED THE room. MIDDLE OF age BUT WELL preserved THERE WAS about her A HALO which betokened A MOTHER of men, SHE SPOKE softly: "I AM Alma Mater, AND I have come TO SAY-Good-bye. YOU MEN of 1926 WILL ALWAYS be boys TO ME. THIS PARTING is hard, BUT IT will BE SOFTENED FOR ME IF I knew THAT YOU will ALWAYS REMEMBER THOSE LESSONS I HAVE imparted. YOU ARE leaving perhaps NEVER to return. IN YEARS gone by SOME BOYS have PASSED OUT of my doors AND I never SAW THEM again. BEFORE I leave you PROMISE ME that YOU WILL return VERY OFTEN to visit me. THAT YOU WILL NOT forget me-ALWAYS LOVE me." THEN A motion was OUICKLY PASSED THAT OUR class ENROLL AS a unit IN THE Alumni. "I AM satisfied," SAID ALMA Mater, "FOR NOW I know THAT YOU love me. GOD BLESS you, 1926, GOOD NIGHT!"



President	Joseph Fachet
Vice-President	Lawrence Schollenberger
Secretary	Victor Cantelope
Treasurer	F. X. Lamb
Historian	Ed Biller
Faculty Advisor	

TO THE GRADUATES

As you young men start out into the business and social world we wish you God-speed. We are sorry to have you leave us, and yet, for your own advancement we are glad.

It is up to you to make your way the best possi-

All of you should be fully equipped for this new life. If you have worked conscientiously, willingly and carefully during your past year at "Tech," you have everything to look forward to and nothing to fear.

The reward to the competent, consistent business man is "Success." Let us hope that the young business men of our future, so near at hand, will be blessed with good luck!

Harris (reading the *Flapper*)—Here is a man who has a daughter twenty years old and will give any man who marries her a \$10,000 dowry and another daughter thirty years old that he will give any man \$30,000 to marry.

Dunbar-Has he got one about sixty?

Don't worry because the other fellow in front of you keeps you from seeing the top of the ladder.

If you are made of the proper material, he will either have to move over and make room for you or else get off himself.

She used to sit upon his lap
As happy as could be;
But now it makes her seasick—
He has water on the knee.

WHO PUT THIS IN?

Biller entering store very excited:
Biller—May I change my socks here?
Sales Girl—Suit yourself, sir. I have a cold in the head.

LADDER OF SUCCESS

100%-I DID.

90%-I WILL.

80%-I CAN.

70%—I THINK I CAN.

60%—I MIGHT.

50%—I THINK I MIGHT.

40%—WHAT IS IT?

30%—I WISH I COULD.

20%—I DON'T KNOW HOW.

10%—I CAN'T.

0%-I WON'T.

STUEHLER'S COPYRIGHTS

Daybeck (singing)-

"When that little band of Pilgrims came,

On a black and barren shore."

Biller-"Who is this Baron Shore?"

Scherer—"He's the guy the Pilgrims landed on so hard they made Plymouth Rock."

Jewish Boy—Meet me by de butcher shop. Jewish Girl—Vy cand we meet by your fadder's grocery store?

Jewish Boy—Because we canned meat there.

HEARD IN THE HALL

Cantelupe—Is this seat close to the stage?
Scherer—It's in row B. If it was much closer you would have to perform.



RAY STEELE

FACULTY NIGHT

Friday evening, March 26, was featured by the annual reception to our honorary members of the Faculty. A splendid program was provided and in addition to a large amount of regular business being transacted four new honorary members were received into the fraternity.

They were: Messrs. Bauder, Davenport, Eschenfelder and MacDonald, all on the teaching staff at the school. The four candidates took their necessary degrees without flinching and as the ordeal was completed they were greeted with a round of applause. We are sure they will prove of great value to our organization in the years that are to come.

Included among the honorary members present were: Mr. Heilman, Mr. Weir, Mr. Peet, Mr. Spry and Mr. Netschert, who had his glee club singers in public for the first time.

After the regular meeting a splendid feed was served in the lower corridor by Harry Kunz, chairman of the feed committee, and his energetic assistants.

COMING EVENTS

As the school year is nearly ended, our thoughts are diverted toward outlining our social activities for the vacation period. They are as follows:

Graduation Dance, April 24th.

Twenty-eighth Annual Banquet, May 5th. First trip up the Hudson (Day Line), June 13th.

Field Day, July 18th.

Fourth Annual Yacht Ride, August 15th.

It is hoped that the Fraternity brothers will do their utmost to support the events of this wellbalanced schedule.

THE ANNUAL THEATRE PARTY

On Saturday evening, March 20, the annual theatre party was held by the fraternity. Schubert's Theatre on 44th Street, New York, was the magnet for upwards of seventy members, who came to witness the spring edition of the "Greenwich Village Follies."

Our crowd occupied splendid seats, and we completely filled two rows extending the full width of the spacious playhouse. The show was enjoyed to the utmost by the brothers present and no one was heard to express any regrets for being present.

After the performance the members repaired to Rigg's Restaurant on 33rd Street, where a wonderful dinner was served to the pleasure seekers. The tables were arranged in the form of a huge horseshoe and a spirit of real fraternity pervaded the entire assemblage. The meal was enlivened by community singing, jokes, cheers, and imitations of the various characters who had performed at the theatre. Such was the gladness that engulfed everybody that no one sensed the passing of time and it was close to 1:30 a. m. that the start for home was made.

New York traffic was demoralized for a few minutes while our crowd did the lockstep across several of the busiest intersections.

Once in the subway the fun started anew. A game of leap-frog, participated in by everyone except Mr. Heilman and Mr. Eschenfelder, who honored us with their presence, was the first adventure while waiting for the train. This was followed by "London Bridge is Falling Down," and then by "Farmer in the Dell." The train ride was shortened considerably by the songs and cheers of the happy crowd, but nevertheless there were quite a few tired young men on that train which reached Newark at 2:30 a. m.

Brother Joseph Fachet and his stalwart committee received many congratulations for the splendid work done in arranging such a successful and enjoyable affair.

LOW BRIDGE

Kind Old Maid—And do you know why Santa Claus didn't bring you anything, little girl?

Doll-Faced Child—Yes, damn it; I trumped father's ace in the bridge game Christmas Eve.

—Punch Bowl.

THE ANNUAL BANQUET

The most important announcement that the fraternity has heard this year was made at a recent meeting. Chairman Harry Jurnecka of the Annual Banquet Committee rendered a report that was received with unbounded enthusiasm by the members.

The date of the affair has been set for Wednesday, May 5, and the place is the McCarter Gallery of the Robert Treat Hotel at 7:30 p. m.

The toastmaster will be Mr. Herbert W. Heilman and no further discussion is needed as to the wisdom of the committee in making such a selection.

The speaker of the evening will be Dr. D. B. Steinman of New York City, an engineer nationally known for his ability as an orator, besides being in the front rank of his profession.

The committee's watchword this year will be "Originality" and the time honored custom of having an illustrated lecture on some engineering work will be dispensed with and instead a program of light entertainment by artists of ability is being arranged.

Now for the biggest thing the committee has done. Arrangements have been made with Radio Broadcasting Station WNJ to put our program on the air. This means that an invisible audience will hear for the first time about the wonderful things our fraternity and alumni are doing. Our president will have his say before the microphone as will the head of the alumni. Dean Cullimore will as usual deliver his interesting talk and our feature speaker, Dr. Steinman, will also have the radio audience listening in. And we, the rank and file of the fraternity and the alumni can tell our friends to tune in and hear our songs and cheers and enthusiasm, for those things we always have.

The committee feels that this will be a real red letter day in the annals of Tech. The alumni members of the joint committee appointed by President Landers are: Harry Kettenring, Theodore Newitz, Charles Carter, Henry Ried and Clifton Keating. A plan will be devised by the alumni whereby every living graduate will be reached in some way, no matter where he is, and advised of the big time on May 5. Then if he finds it impossible to get here, he can tune in and be with us in spirit anyway.

A committee of the faculty working to secure a large attendance on the part of the instructors includes: Mr. Herman Schongar, Chairman; Mr. Leslie Spry, Mr. James C. Peet, Mr. David R. Weir, Mr. William Netschert, Mr. F. N. Entwisle, Mr. Robert G. Merz, Mr. Patrick Monoghan, Mr. Edward Gill and Mr. Albert A. Nims.

The fraternity committee includes: Harry Jurnecka, Chairman; Joseph E. Fachet, Morris Fritts, Arthur Domaratius and Charles J. Kiernan.

IN THE HALL (With apologies to Bill Steinke)

Well, boys, we meet again.

Van Orden, what are you looking at with such a glum look? You are looking at the examination list. What has that to do with your look? If I were you, I would know. Tough on you, old man. Greetings, Harry, what's new? Same Hello, Vitale! Are you going to old stuff. You're some optimist. Certainly! graduate? Gee, the boys are busy, rushing around. The school year is near an end and every one seems to be hurrying to pass their exams. How are you, John Landers? How did the Colton Memorial Service turn out? Wonderful, that's fine. What are you doing here, Caster? Just noseing around. By the way, how is Hank's mother? Improving, fine. You boys all know Hank Reid. His mother has been very ill and Hank has stuck to her like glue. You know your stuff, Hank. Big Boy.

Here are some of the prospective graduates with their coats unbuttoned and their chests slightly projected. Oh! I see the reason; they are sporting their new keys. Some class, eh?

Mr. Metzenheim is a very busy man these days, all that these would be engineers are doing is asking questions right and left. He is a little man with a big job but he says the bigger they come the harder they fall.

Only a few seconds left. Schoolmates, I am glad you have borne with me in all of this foolish chatter for a year and I wish you all the luck and prosperity that you can attain. May we meet again in that beautiful—Time's up.

TERRAG NED NEVARB.

TO HERBERT KOLB

If you can't get to school on time,
If you can't wait till half past nine,
If you don't feel entirely right,
If perhaps you don't sleep at night,
If you moan or moon or sigh,
If when you talk your throat is dry,
If your heart at times don't beat,
If at times you get cold feet,
If everything seems in a whirl—
Why then don't you marry the girl?
RELDNEW.

"Oh, Doctor! I have been constantly attacked by spells of dizziness for the past three weeks. What shall I do?"

Answer: Consult Elinor Glyn.—Dodo.



At the date of The Fratech going to press, the time for the next regular alumni meeting has not been fixed. President Landers wishes it known, however, that an informal get-together of considerable importance will take place on Wednesday, May 5th, at 7:30 p. m., at the Hotel Robert Treat. The annual joint banquet will be held then in conjunction with the fraternity, and a regular committee headed by Mr. Landers himself is working on this affair. The committee includes: Harry Kettenring, Charles Carter, Henry Reid, and Clifton Keating.

Someone said that John Landers is practicing before a mirror for his debut before the microphone at the banquet. WNJ is handling the broadcasting for us. No use talking you can't miss this affair.

We must prepare for the reception into the alumni of the new graduates of 1926. Some live wires there, and we ought to greet them heartily. We will meet them all informally at the banquet anyway and look them over.

We are sorry to learn that Henry Reid's mother has been ill. We trust she has a speedy recovery, both for her own sake and Hank's.

DR. COLTON MEMORIAL SERVICE

The memorial service for Dr. Colton was held on Sunday afternoon, March 28, at the First Presbyterian Church on Broad Street. The size of the assemblage was fully in keeping with the reverence in which Dr. Colton is held by the members of the alumni and the undergraduate body. A large number of faculty members were also on hand to listen to the impressive program that was presented.

After a short prayer by Dr. Waters, Dean Allan R. Cullimore spoke feelingly of Dr. Colton as he knew him and respected him. He stressed the point that the school which owes to this man its very inception can not and will not forget, and that the school itself will be his monument as long as time endures.

Rev. Henry R. Rose delivered a stirring tribute to Dr. Colton as a man and as an educator, and told how he had known the doctor for thirty years and that he was fully aware of the tremendous ambition of this man in his early struggles to start the school and later to enlarge it. None of us who were present will ever forget the glorious address of Dr. Rose whose oratory always thrills, but who seemed to really scale the heights this time in the wonderful peroration which climaxed his tribute. He recited the immortal classic: "Let Me Live in a House by the Side of a Road," in its entirety and he closed the poem with these lines which should be immortal for all of us who love the old school:

"Let me live in a house by the side of a road, And like Dr. Charles Adams Colton, be a friend to man."

WITH APOLOGIES TO THE BUZZER

Dame fortune, they say, smiles at least once on every man. There is NOLAN that she does not reach with her charms. The NORSE men wooed her incessantly in ages past. Even now the boys from the HOLMBERG seek tirelessly to win her for their own. We hope that this fair GOUR-LEY in years to come will take HERPICH of the members of the CLASS OF 1929. The great Mark ANTHONY won her. She went to his head, and so, he lost her. Be not easily discouraged in your pursuit of the charming damsel; her ways WIDMAN are peculiar, oft times. Be prepared to meet discouragements, plenty of them, at the hand of this diSPENCER of all that matters

In SCHUSTER minute we'll have to take our SEITZ in class as the BELAS rung. It gives us a PAYNE to be confined on a nice evening like this; but if we would become WEITZ men, we must look SPRY and get down to business. Here comes SCHMIDT. He has shoulders like a PLOUGHMAN—probably from bowling. He says that if an instructor catches him on a question, toward the end of the period, all he does is "stall" around for the bellLINDGRIN. Here comes MARTINS. It must be late, HENSEL have to leave you now. But before I go tell me this: If a Russian were speaking of an effeminate male human, would he use the word SHEMAN-SKY?

Should any of the men of '29 reading this article follow me home to my WHITE house, seeking vengeance, let them be warned. I'll JESSICK my dog on them.

H. R. S., '29.

The Fratech staff desires to extend their sincere thanks to Mr. Sidney F. Williams, Jr., who designed the cover for our graduation issue.

CLASS * 28 ECHOES

President	Arthur	Ries
Vice-President	Morris	Fritts
Secretary	ry Missi	uriello
Treasurer	J.	True

THE THINGS WE WOULD LIKE TO KNOW

Why anyone should want to live in Montclair. How about it, Ilgin?

Who told Whyte he knew anything about sur-

Why Terhune does not raise a mustache, he might look good if he did?

What Conrad thinks of the trolley service from Maplewood at the mystic hours?

Why Hesse has that far away look on Wednesday nights.

Why Van Norden appears in disguise on Saturday afternoons.

Why Jurnecka never smokes during the interperiod recess.

Taft says he is glad the winter is over because it was a long cold journey home from West Orange to Passaic.

We are glad to know the Leeks Brothers' heads are not as their home town, ALLWOOD,

Since Mr. Wright has gone and got married, we don't see him around the school lobby any more.

How soon will Thomas Wainman, Jr., be coming to Newark Tech?

The class feels greatly honored that the A. A. E. should elevate one of ours to the Presidency of the school chapter. He is J. Charles Conrad.

We may have the poorest bowlers, but we have the best looking team manager. This has to be admitted by all. Even the class of '27.

Fritts—Say, Conrad, what's the name of your canoe going to be this year?

Conrad-I guess I will call it "Scotty."

Fritts-How come?

Conrad—Because it hasn't tipped in four years.

We are glad to see Mr. Leis is getting more sleep at home. He doesn't sleep as much as he used to in Analytics class.

What did John Whyte have to drink before he came to school one night? He wanted to know why they had candles burning out in the hall. (He was looking at the gas lights.)

Our friend Young sure is some booster for Belleville.

Mr. Fritts, be sure to stick to your task as business manager of The Fratech. We wonder if he can keep up with all of his girls.

We wonder what Staufer is trying to get on his upper lip.

Has anyone seen Holder trying to hold-her to the ground when he tries to make thirty-five miles an hour in his Ford coupe?

Walter Donnelly says the write-up last issue didn't worry him any. You know he is studying Electrical Engineering and therefore thinks he is shock-proof.

Why doesn't Hesse start up a candy store and specialize in gum drops? It might be more profitable to sell them than to give 'em away.

We hope that Mr. J. Courter will excuse us for using his brother's initial. Of course we don't know what his objection was, considering we don't know his brother,

If you want to see a good sight, come around some Saturday afternoon after Hesse has set up the gun and is asking Jurnecka to give him line. (Note) Jurnecka, how about bringing along a stepladder?

We are glad to see that Wydro has the true brotherly spirit. Since Romeo joined the Frat, we have noticed how willingly Wydro welcomes his assistance in escorting the three young ladies from Central High School, down to Broad Street.



President	T.	Hensel
Vice-President	.R.	Kraus
Treasurer	R.	Goebel
Secretary	j. (Gourley
Class Advisor	١. (C. Spry

The Class of '29 now takes its place in the line of established organizations in the school. After the first enthusiastic rush of starting the machine we have settled down to the business of getting up enough steam and momentum to carry us through the next four years and over the top in real style.

At the February meeting, the by-laws committee, headed by H. Smith, drew up a set of bylaws which were accepted by the class as submitted. At the next meeting we will choose the colors for our pennant.

Now, hear ye, Twenty-niners, this is a little word for you alone and may ye hearken well. The officers of this class have been well pleased with the attendance at the meetings and we are satisfied with the amount and importance of the business disposed of, but-no amount of persuasion can convince us that three or four times as many members as now respond could not come to the meetings. Consider it, fellows. This is a vital question in your school life. The class of '29 is one-fourth of the school, and with your help it can and will become the most important section. Act now, men, and get into it with the rest of us. Let us feel the added impetus of your push. The time to nurture the plant is now while it is yet young. Not after it has withered and failed. The time to shape the clay is while it is yet new and soft, not after it has passed through the fire and is permanently formed. So get into it, fellows, and mold it after your own desires and ideas. And may we have to use the auditorium for our next meeting. G. M. G.

WATCH THE BULLETIN BOARD

Remmele was out driving as youth will drive when an officer drew alongside and said: "Say there, young fellow, use your two hands." To which this illustrious youth replied: "I am sorry, officer, but I must keep one hand on the wheel."

Millner (in English class)—Tobacco is found in many of the southern states and in some cigars.

George Schmidt—Well, the days are getting longer.

Jones—When did you get married?

Voss—By the way, old man, how's that new Florida bungalow of yours getting on?

Van Brunt—Fine, we've just had her hauled out and put in drydock so we can get the cellar painted.

Sloan—No, I don't believe in being individualistic. It makes one too much like everybody else nowadays.

Bennick—This country has not national secrets. Cogan—How about what the pitcher says to the catcher?

Sandy (on the first tee)—Shall we bet thr' pence on the roun, Jock?

Jock—Na, Na, Sandy, I canna play under pres-

Henn—Are you thinking of buying that office building for investment?

Hensel—Not exactly—I understand there's a bottle of real bourbon in the cornerstone.

Prof. Walters—I have went—Is that right? Gourley—No, sir.

Prof. Walters—What's wrong with us? Gourley—Because you ain't went yet.



THE BOWLING CHAMPIONS

The Class of 1929 has the distinction of being the bowling champions of Tech. The last matches of the season were rolled on March 31, and even though 1929 lost two games to 1926 on that night, their early lead in games won and lost was too great to affect the final standing.

FINAL STANDING

Class	Won	Lost	Average
1929	20	7	744
1926	17	10	719
1928	11	16	698
1927	6	21	672

High team score also went to 1929 with a total of 846.

High individual average was captured by Bennick of 1929, with a mark of 169.7.

High individual score was made by Al Weiler of 1927, with a total of 212.

The winners will be awarded a set of five pennants, one for each man, at a meeting of the Bowling Committee, to be held before the close of school. The pennant will be emblematic of the bowling championship of Tech and an extra one will be presented to the Fraternity to adorn the walls of Colton Hall with the other trophies.

The individual records follow:

THE Individua		IOHOW.	2017
	No.		High
Name	Games	Aver.	Score
Bennick, '29	24	169.7	210
Goebel, '29	27	164.8	209
Kiernan, '26	22	161.7	199
Weiler, '27	24	158.8	212
Haven, '27		157.8	200
Dorjeck, '28		154.5	203
Urban, '28	24	150.0	193
Patrovic, '26		149.9	200
Schmidt, '29	27	149.1	197
Hodgins, '29	24	147.2	207
Romeo, '28	26	147.1	198
Holden, '26	24	146.9	179
Natale, '26	27	144.0	209
Wendler, '26	27	143.0	173

With the close of school drawing near the trackmen are turning their attention to the 1926 Fraternity track and field meet.

"Howie" Wendler, 1925 broadjump champion and third place winner in the point standing, is pointing to a better performance this year. He is training every night at the "Y" gym.

Garry Den Braven, 1924 "220" specialist, is planning a comeback this year. Garry was forced out of competition last year due to an old injury to his back.

Micky Diebold, 1924 winner in the broad jump and also second place winner, is training with the College team. He is planning a strong bid for top honors this year.

Wally Dietz is working out in Weequahic Park with a champion broad jumper from Boston "Tech." Wally is confident he can break Wendler's record in this event.

Charley Pratt, better known as the "barefoot boy," will make a determined bid for the halfmile honors this year. He is training with speed in his legs and blood in his eye.

Charley Calvano is also out for revenge. He thinks he got the worst of a 100-yard decision last year.

More speed to you, Charley.

Ed. Biller, defending half mile champion, will be on the mark to meet all opposition this year. He will start heavy training as soon as school is over.

A new face will be seen when the sprinters face the starter this year. "King" Brady is the man and is said to be very fast in the dashes.

"Red" Kaiser and "Red" Van Orden will stage a "battle of Crimson" in order to find which one is the "Red Streak." This duel will be well worth watching.

Courter—Say, Ilgin, what do they call potatoes in Ireland?

Ilgin—I don't know.

Courter-They don't call 'em-they dig 'em.

POWER AND ENERGY

John J. Bird, Class of '26

Years ago when man first made his appearance upon earth, there was available for his use a great resource for power. That resource for power was energy in one or more of its varied forms.

Man made very little use of this energy with the exception of energy in the form of heat, wind and physical, until about the eighteenth century when science began its long siege of battering down the wall of superstitution and ignorance in an effort to bring to light some of the secrets of nature that might be useful to man.

After years of tedious labor and experimentation by such men as Archimedes, Newton, Galileo, Joule and many others whose work was of equal importance, the Principle of the Conservation of Energy was one of the laws that was derived and has now been universally accepted. It may be stated thus: Energy may be transformed but it can never be created or destroyed.

There are numerous sources and applications of energy but that source and application that has been used in the development of power in our modern industrial plants is the one for which this article was intended.

It is the object of the writer to bring to light the enormous losses and low efficiencies in the transformation of energy from one form to another; from the source of energy to the industrial plants and also the important part played by the engineers of the various crafts.

Terrific pressure and intense heat caused by the deformation of the earth's surface thousands of years ago when the earth's surface was unstable produced what is now available as fuel; namely, coal and oil. Great quantities of energy are spent up in the fuel in the form of chemical energy.

To remove the fuel from the earth, an enormous amount of physical and mechanical energy is required, the mechanical energy being utilized on a fairly efficient basis. The fuel, when obtained, is transported to the cities and consumer by ship, rail and auto truck, and while the transportation facilities of the nation are considered good, the cost due to shipment is high and could be reduced considerably if more efficient methods of handling were employed. The fuel is then applied to the furnaces of the boilers by hand. which is inefficient, and by machinery, which is fairly efficient. From there the energy from the fuel is transformed from chemical energy to heat energy by combustion; the efficiency there being very low. The heat energy is then transformed to a gas, steam, when the heat energy is applied to the water in the boiler through the boiler shell and tubes; here also the efficiency is very low. From the boiler, the energy in the form of gas and steam is carried through pipe lines to the engines and turbines where it is transformed to

mechanical energy. From the engines and turbines to the electric generators, which are usually directly connected to them, the mechanical energy is transformed into electrical energy, with a very high efficiency. From the generator the energy is distributed again with very high efficiency by wire or cable to the various points of application, namely, motors, lighting circuits and railways, where it is turned into useful work such as light, heat and power.

Through all these transformations there was, as can be readily seen, a considerable loss of energy, due to inefficient methods of transformation of the energy from one form to another. So it is evident that there is much work to be accomplished by the engineers of various crafts in order to decrease this loss. Therefore, we depend upon the mining engineer to produce cleaner fuel and better methods of handling. We depend upon the civil engineer to produce more We depend efficient transportation facilities. upon the chemical engineer to produce more efficient combustion of the fuel. We depend upon the mechanical engineer to produce more efficient power plants and industrial machinery, and we depend upon the electrical engineer to produce more efficient electrical apparatus and methods of distribution of the electrical energy.

In conclusion, it may be said, that the transformation of energy from one form to another is an extensive field still open for research, improvement and development.

Did you ever hear these song birds sing these songs?

Herpich—"You Can Knock All You Want, but You Can't Come In."

Wendler-"She Shoved Me Outside, for Crying Out Loud."

Martino-"When It's Onion Time in Italy, I'll Breathe My Love to You."

Cameron—"I Thought I'd Die When My Girl Left Me, but I'd Drop Dead if She Ever Comes Back Again."
Romano—"Every Time I Take My Wife Fish-

ing She Starts Crabbing.'

Swenson—"Looking Up My Family Tree, I Saw I Was the Sap."

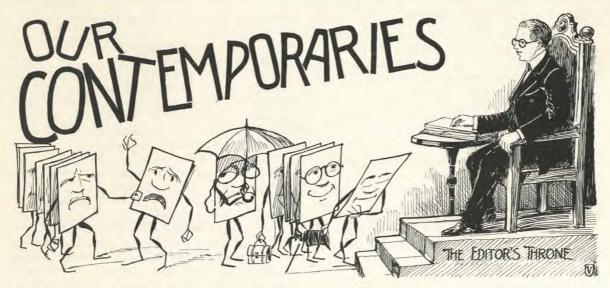
Henn-"I Can Always Act My Age Even If I Must Crawl."

Dunbar-"No Matter How Often You Call Me a Bird, I Won't Be Able to Fly."

Sheehan-Say, Duyme, why is a horse like a stick of candy?

Duyme—I couldn't tell you.

Sheehan—The harder you lick 'em the faster they go.



"Now, children," said the teacher, "what are parakeets?"

"Twins!" shouted little Guiseppi Grannucci.
—Chaparral.

Doctor—You have acute tonsillitis.

She—Yes, so many people have admired it.

—Moonshine.

Wife—Wake up, John! I hear a burglar downstairs.

John—Aw, why don't 'cha run downstairs in your pajamas and scare h—l out of him?—Lyre.

IS HIS WIG WARM?

Hobb—That guy wears Indian neckwear.

Nobb—How come?

Hobb—Bow tie and Arrow collar.—Froth.

NOT HARPIN'

Maiden Aunt (to small boy)—Heaven has sent you a little brother.

Small Boy—Is that where the little rascal came from? He makes a hell of a noise for an angel.

-Cracker.

She-If you kiss me again, I'll call father!

He—Where is father?

She—Downtown, and he won't be home till midnight.—*Yale Record*.

He—I have a split lip to-night. Co-ed—So have I. Let's go to church,—Alligator.

First Stewed—I say, old chap, don't you know wolves come in packs?

Second Stewed—That's nothing; so do Camels.
—Wabash Caveman.

When a woman says, "Here!" it's hard to know whether she's insulted or she's just telling you where she wants to be kissed.—Malteaser.

She asked me to kiss her on either cheek. Which one did you kiss her on? I hesitated a long time between them!—Burr.

She—I'll only kiss you on three conditions. He—Oh, that's all right! If two of them are lips, we'll let the other slide.—Ex.

He—Please, just one little kiss.

She—No! If I give you one, you'll want more. He—No, I won't.

She—Then you don't deserve one !—Brown Jug.

Alicia—He kissed me when I wasn't looking. Georgette—What did you do?

Alicia—I didn't look at him for the rest of the evening.—Royal Gaboon.

Fran.—Jack's love is like radium.

Cis.—Why?

Fran.—It shines in the dark.—Ex.

He—Where did you do most of your skating when learning?

She—I think you're horrid!—Ex.

In a parlor were three My girl, a lamp, and me. There's a crowd without a doubt.

Wasn't it nice when the lamp went out !—Ex.

Cameron—Say, Gibb, why do they fry bacon in Lux over in Scotland?

Gibb-You've got me.

Cameron-So it won't shrink.

COLLEGE HUMOR

I've taken my jokes where I found them, From Rutgers and Dartmouth and Brown; I've looked through the humorous columns Of places of lesser renown.

One was a Middle West college; Of humor it had not a bit.

Juex-de-mots by the score made me find it a bore, And I learned about stale puns from it.

I've read other papers collegiate;
Most of them give me a pain.

Their jokes and their stories of flappers
Will scarcely bear reading again.

One from the city whose culture
Is supposed to out-culture the Lit.,
I found to have verse which couldn't be worse,
And I learned rotten rhyme-schemes from it.

I wrote to a large university;
Humor I made my request.
They wrote in return much as follows:
"Our magazine's just been suppressed.
Enclosed, all the same, are back numbers—
They'll show you the state of our wit."
The pictures I saw made me glad there weren't more.

But I learned about chorines from it.

Real humor is more than a system;

At last I took hold of a tabloid
That printed the crême-de-la-crême,
Or at least so it said on the cover—
I thought I had purchased a gem.
But it only rehashed all the others,
With their puns that would simply not fit,
Their jokes about Mike and their quips about Ike-Oh, I learned college humor from it.

Good verse is not merely a rhyme;
Puns that gave pleasure to Shakespeare
Are not à propos in our time.
Stories whose point is so pointless
That the reader is tempted to spit
Make me wish I'd not seem such a poor magazine,
Though I learned college humor from it.

—Yale Record.

Mac—Have a Camel? Smac—No, thanks. I'm not giving in to my animal passions these days.—Cow.

He—Do you ski? She—Silly, you know I don't speak a word of Russian!—Vassar Vagabond.

QUINNIPIAC QUIPS

Patron of Restaurant—Canada Dry? Waiter—Not yet, sir.—Yale Record.

Prof.—How many make a dozen? Class—Twelve.
Prof.—How many make a million? Class—Darn few.—Log.

Hesse—Say, Jurnecka, they found a rat in the basement of Plaut's old store, that was ninety years old.

Jurnecka—How do you know how old it was? Hesse—It had a date in its mouth.

Cop (to drunk)—Hey, there, get on your feet. Soak—What, have they come off, too?

—Royal Gaboon.

A MIND READER

An army officer was on one occasion standing near his headquarters when he noticed that a certain captain, who was standing near by, was accustomed, every time a private saluted him, to return the salute with military precision, but to follow it up with the words: "The same to you, and many of them."

Finally, the officer first mentioned called him over and asked, "Captain, why do you say, 'The same to you and many of them' every time you return an enlisted man's salute?"

The captain grinned. "It's this way, sir: I was a buck private once myself, and I know what they say under their breath every time they salute an officer."—Everybody's Magazine.

She—Do you like t' neck?
Gob—Naw, me fer de drumstick.—Ranger.

DOGS IS DOGS

"Say, I heard they train hunting dogs by letting them smell a dead rabbit, so I'm going to let mine smell some empty hootch bottles and see what he brings home."—Cynic.

"I ain't sayin' you isn't right, big boy, but I is sayin' if you was one foot shorter you'd be wrong as hell."—Bison.

Lulu—Did you have a good time at the Prom. Mag.?

Mag.—Did I? Just look at that hair net!
—Beanpot.

Traffic Cop—Do you realize that you were going over fifty miles an hour?

ng over fifty nules an hour?

Co-ed—Why, officer, I haven't been out an hour.

—Humbug.

DIALECT JOKES

Ike—Oy, oy!
Mike—Begorra!
Sandy—Hoot, mon!—Yale Record.

Though we leave you now, dear old Tech., please remember our promise

The Class of 1926

will live on and on, and forever



Best Wishes to all the Boys of Tech.

Ioseph Posner



The Class of 1927

express the hope that the success of the graduates of this year will be continued in their work which is yet to come.

Congratulations, Men of 1926

The Class of 1928

hids you goodhye, 1926. May success attend you, and good fortune smile upon you.



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To the Men of 1926

We wish Success and Godspeed N. T. S. Club

American Association of Engineers

The Class of 1929

takes this means to express their congratulations to the graduating class for their successful work at Tech.

To All Music Lovers of Newark

EDWARD RECHLIN

of New York, America's Foremost Bach interpreter, is to give his first Newark organ recital on Wednesday evening, April 28th, at the new Elliot School Auditorium, Summer Avenue and Elliot Street.

Mr. Rechlin is recognized as a unique spiritual power in America's music life, and nothing in recent years has caused such a stir in organist circles as the astounding success of his Bach recitals. More than 200,000 people have heard Mr. Rechlin on his annual country-wide recital tours.

The concert is under the auspices of the Walther League of The Redeemer Lutheran Church, North Newark, Mr. Arthur Bitter, Chairman, 1084 Dewey Place, Elizabeth, N. J. Tickets at 75 cents each may be obtained at this address.

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