



HOLIDAYS START THURSDAY

CYCLE COLLECTS DATA ON SENIOR CLASS MEMBERS

Activity Blanks Must Be Handed in Tomorrow

CORRECT MATERIAL

Work on the Cycle is at the present time limited mainly to the securing of data and the correction of this material to conform with standards arrived at by the editors. The great difficulty experienced by departmental editors and their assistants is the actual acquisition of information which is apparently readily available. However, by assiduous effort these pertinent facts are gradually accumulating. Considering the tremendous amount of energy required and that school work must also be carried along with this work one will readily admit that a great task faces the Cycle staff in preparing the 1930 Year Book.

Biography blanks were distributed to very nearly half of the Senior Class at their last meeting; most of these have been turned in to the staff. A great number of the men have been approached individually to secure data concerning their school activities. There still remain about 60 who have not turned in this information.

To seniors who have not received activity blanks, the following information must be placed on plain white number 6 paper:

- Full Name
- Home Town
- Course
- Honorary Fraternities
- Social Fraternity
- School Activities

These sheets of necessity must be turned into P. E. Heath or A. H. Jens by tomorrow, Wednesday, November 27, by 1:10 p. m. For convenience to some these may be placed in locker 44 in the basement of the main building. To those who have not taken care of this matter it is imperative that they do so immediately.

When all this data has been compiled and carefully checked an announcement of interest to seniors will appear in this paper. The exact nature of this announcement cannot, however, be disclosed at the present.

Peebles Writes on Heating Materials

Professor J. C. Peebles, contributing editor of "Heating, Piping, and Air Conditioning," will have published in the December issue of that magazine the second installment of his article on "Heat Transmission Through Building Materials." The first installment appeared in the September issue.

The article is taken from one written by Swedish government engineers and published in a Swedish engineering periodical. Professor Peebles has compared their methods of experimentally determining the amount of heat transmitted with our own methods of determination.

Professor Peebles has spent a large portion of his time while at Armour in dealing with such problems.

The staff of the News wishes to extend its sincere sympathy to Miss Nell Steele, librarian, who lost her father last Friday morning.

Professor M. B. Wells attended the funeral of his brother, who died in Indianapolis last Friday. Prof. Wells will return the early part of this week.

NOTICE!

Due to the Thanksgiving Holidays, there will be no issue of the Armour Tech News distributed on Tuesday, December 3. Publication will be resumed as usual the next week with distribution of copies on Tuesday morning, December 10. Also, there will be no issue distributed on Tuesday, January 7, because of the Christmas Holidays.

Father of Armour Student Killed

The father of Robert Corpstein, E. E. '33 of Dubuque, Iowa, was instantly killed in an auto accident last Tuesday. Robert left for his home immediately.

According to the Debuque Telegraph-Herald, "The accident occurred while Mr. Corpstein was returning home in his automobile. Tracks on the pavement showed that the car had skidded approximately 50 feet before it hit the tree. The entire left side of the car was torn away. The car was in such a position that no damage was noticeable in the right side. One theory advanced is that, because of the rain, Corpstein skidded while rounding the curve and lost control of his car after applying the brakes. The body remained in the car six hours before it was discovered."

Valves Topic of A.S.M.E. Meeting

Mr. C. E. Ammeson of the Crane Company was the speaker at the meeting of the American Society of Mechanical Engineers held last Thursday, November 21st, in Science Hall. His subject was the "History, Design and Use of Valves."

He gave the history of valves for the last twenty-five years, explaining the four principal types of valves. He also discussed the different kinds of cocks.

The meeting was interrupted by the fire drill but after a few moments the sequence of the slides was again taken up. Copies of the A. S. M. E. News as well as a pamphlet published by the Society were distributed.

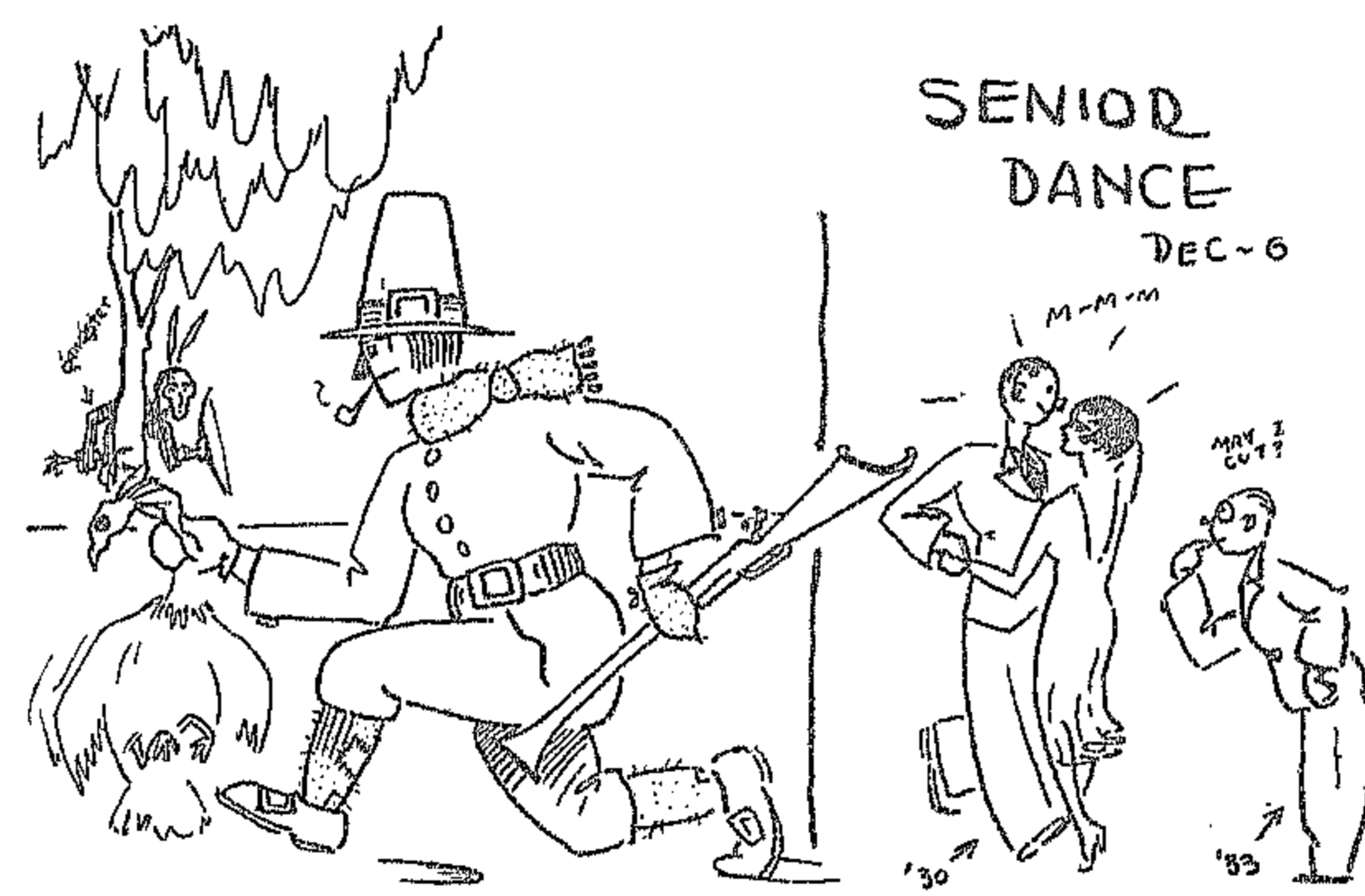
At the conclusion of his talk, Mr. Ammeson presented some catalogues, pamphlets, and a book, "Pioneering in Science" to the school. H. H. Stebbins, '30 announced that any Mechanical that desired a copy of the catalogue or pamphlet could obtain them from Professor Roesch in the Automotive Laboratory. Mr. Ammeson said that Mr. Crane and the Crane Company want to cooperate with the students and faculty of Armour as much as possible and that their plants were always open to the students for inspection trips.

At the close of the meeting it was announced that only members of the A. S. M. E. could be excused from classes to attend the meetings.

Detective Explains Arson Bureau Work

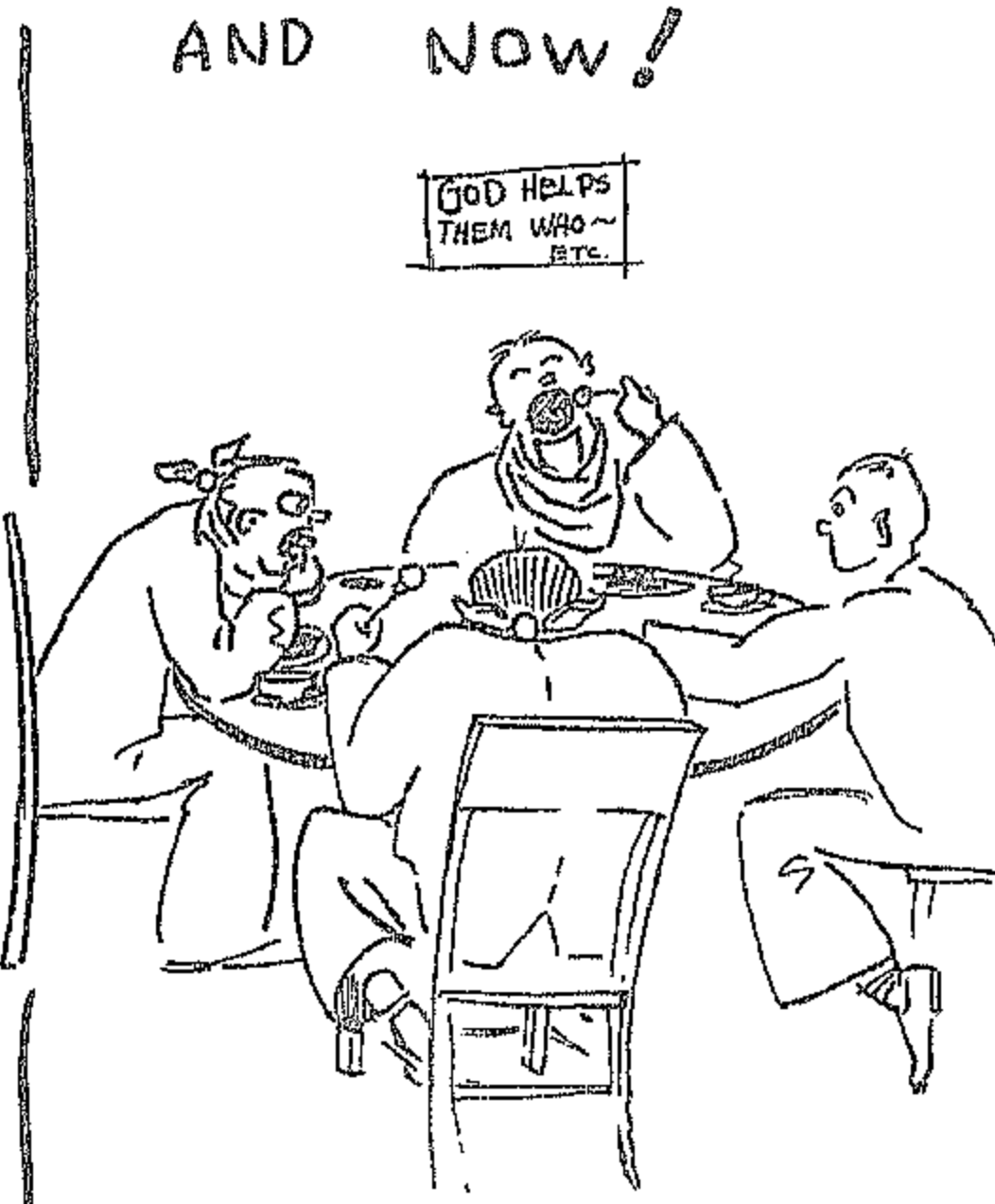
Wednesday, November 20, the Fire Protects heard a talk by Mr. E. L. Donovan, a detective from the Arson Bureau of the National Board of Fire Underwriters.

Mr. Donovan related several incidents connected with his work, and explained the widespread nature of his work, which he said he considered the romance of the Fire Insurance Business.



THANKSGIVING - THEN AND NOW!

- DONT FORGET - THE SENIOR DANCE
- TO GO TO THE COMING BASKET-BALL GAMES
- TO DO YOUR CHRISTMAS SHOPPING EARLY
- FLUNK NOTICES



THANKSGIVING

Several years ago, a recently-landed group of immigrants, decided to stay in the New England States. They settled in a small agricultural and fishing village by the name of Plymouth. Here they formed a compact, little organization in a section of the town. Being strangers, they knew practically no one in this country, and had dissimilar ideas, customs and appetites. The local inhabitants nicknamed them "Pilgrims."

They were not readily assimilated by the citizens of that section of the country; in fact, because they were different it might be said that the attitude of the country was so cold toward them as to be almost hostile. Very few of the newcomers made any attempt to learn the language; they made no effort to find out how the government was run, and they did not take out citizenship papers.

After a year had passed, this little group of immigrants looked upon themselves, found that none of them had yet been deported by the Federal authorities, very few killed in the gang warfare, and that the local citizenry had about given up hope of trying to change them into the local idea of good citizens. In fact, save for the occasional massacre and ambushade, all was serene. Therefore, they rejoiced, and in their strange tongue gave thanks for their good fortune. As foreigners are apt to do, they made it a three day celebration in their quaint old way. Their ward boss, "Governor" Bradford declared that there were to be three days of whoopee. This was the first Thanksgiving.

Buehling Home From Hospital

Norman Buehling, '30, Editor-in-Chief of the Engineer, captain of the Boxing Team, member of a few honorary fraternities, secretary of the Senior Class, and also holder of a few other positions, was removed from the German Deaconess Hospital to his home at 4822 No. Hamlin Avenue last Friday. He is recovering slowly but surely and is expected to return to school in about ten days or two weeks, unless he suffers another relapse.

An infection in his foot, small at first, quickly spread and caused quite serious trouble. He attempted to return to school, and the exertion caused the condition to become much worse. An operation on his knee was necessary before relief was obtained. He is now out of danger as far as loss of the member is concerned, according to attending physicians.

Campus Club Alumni Association To Meet

The Armour Tech Campus Club Alumni Association will hold its first social event of the year at the Al-lerton Club, Tuesday, December 3.

H. K. N.'s Hold Smoker At Theta Xi House

A smoker was held last Wednesday evening by Eta Kappa Nu, honorary electrical fraternity at the Theta Xi house. In addition to the members and pledges of the Armour Chapter a number of Chicago alumni were present.

E. A. Goodnow, '22, G. H. Kelly, '22, V. W. M. Clarke, '29, F. V. Horn, H. W. Doron, C. J. McDonald, L. F. Bernhard and Professors Freeman and Richardson were among those who enjoyed the entertainment.

CALENDAR

- Wed., Nov. 27 - Sat. Nov. 30 Thanksgiving Holidays
- Wednesday, Dec. 4 Freshman-Sophomore Basketball Game
- Thursday, Dec. 5 Junior-Senior Basketball Game
- Friday, Dec. 6 Senior Dance at Palmer House
- Monday, Dec. 9 Final Game. Interclass Basketball
- Tuesday, Dec. 10 Athletic Alumni Reunion at Delta Tau Delta House

FOUR DAYS VACATION AS SCHOOL DISMISSED FOR THANKSGIVING HOLIDAYS

President Raymond Makes Thanksgiving Proclamation

"FLUNK" NOTICES AWAIT ON RETURN

"Thanksgiving Holidays are not merely vacation days. Our Pilgrim forefathers set aside one day each year for the sole purpose of giving thanks unto their Creator, and to express gratitude for the many blessings which they enjoyed. Since then Thanksgiving has been ob-

served almost annually, and it is a splendid custom. The early territorial governors set aside a day by proclamation; so did Presidents Washington and Madison. It was Lincoln who established the fourth Thursday in November, and this day has been regularly proclaimed a holiday by each succeeding President and state governors.

Engineer to Print Alumni Directory

A meeting of the staff of the Armour Engineer was held yesterday to discuss plans for the future. It was tentatively decided that an alumni directory will be included in the last issue of each volume of the Engineer in an effort to increase alumni circulation.

Sophomores and Juniors who wish to work on the business staff of the Armour Engineer may apply for positions by speaking to any member of the present staff.

SOCIAL COMMITTEE ACTIVE AS SENIOR INFORMAL NEARS

Four Hundred Couples Are Expected to Attend

BIDS STILL AVAILABLE

The plans for the Senior Informal have been completed and the social committee now awaits the date of the dance. A dance program has been selected for the affair, which four-hundred couples are expected to attend, according to the latest report of the committee. The sale of bids is reported favorable. Those selling tickets are urged to turn in the results of their sales as soon as possible after the holidays, in order to avoid last minute congestion.

Bids may still be obtained for \$2.50 from members of the committee for the Informal which will be held Friday, December 6th in the Red Lacquer Room of the Palmer House to the music of "Waddy" Wadsworth and His Smart Set Orchestra.

Christmas Concert Programs Entered

Several men have entered programs in the contest for the best program for the annual Christmas Concert to be held Thursday, December 19, but the committee will accept further entries for another week, according to J. E. Higgins, '30, Chairman of the Committee. The reward offered by Pi Nu Epsilon, honorary musical fraternity, consists of a cash prize of five dollars.

The new little symphony orchestra, the glee club, and numbers for solo work must be included in the program. Ancient and modern classical composers may be selected, also any popular composers may be drawn upon which the contestant desires to include.

The committee to decide upon the winning program will consist of Professor Leigh, Faculty Adviser to the Musical Clubs, J. E. Higgins, '30, F. J. Aste, '30, and Jack Hurley, '30. The committee states that the program presented at the concert will not necessarily be drawn in its entirety from the prize winning program.

"And so, on Thanksgiving we gather around the festive board for a happy reunion with our families and friends, where the bonds of love and the ties of friendship are drawn closer. We have so many things to be thankful for in this wonderful age, with all of its comforts and opportunities, that we could scarcely enumerate them even if we should try.

"Therefore, as we partake of our Thanksgiving dinner, let us not forget to count our blessings even as the Pilgrims did three centuries before us." Spoke Dr. Howard Monroe Raymond, President of the Armour Institute of Technology, in declaring holidays at Tech for Thanksgiving. The Thanksgiving Holidays officially will be Thursday, Friday and Saturday, November 28-30. Classes will be dismissed on Wednesday evening, November 27, not to be resumed until Monday morning, December 2.

Coming as they do, midway between the beginning and the end of the semester, these holidays form a welcome respite to weary students. However, a grim reminder will await the men on their return, for "flunk" notices will be distributed on Monday, December 2 in the Dean's office. These little valentines furnish a means of determining the standing of a student before the close of the semester.

Thoughts of turkey, pudding, cranberries, cakes, and pies pervade the atmosphere to the exclusion of integrals and heat losses! Thanksgiving will be here day after tomorrow!

Honor "A" Reunion After Alumni Game

The third semi-annual Athletic Alumni reunion will be held at the Delta Tau Delta fraternity house, 3155 South Michigan Avenue.

The affair will be held on December 10, immediately following the Varsity-Alumni basket ball game which is being sponsored by the Honor "A" Society.

The program for that evening provides for a dinner to be given to all the members of the Honor "A" Society. Several new men who have been given a vote of acceptance will be enrolled in the society at the affair.

Phi Kappas Hold House Warming

Featuring an orchestra from "Coffee Dan's", the house-warming party given by Phi Kappa Sigma last Saturday night at the chapter house was attended by approximately one hundred couples.

Two of the downstairs rooms draped in silk, a fountain shown up by colored lights, and new decorations over the whole house drew words of admiration from those present. Guests were there from the neighboring chapters of Phi Kappa Sigma, and also from other fraternities on the boulevard.

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VOL. IV NOVEMBER 26, 1929 No. 10

GRAFT

Graft is an ugly word, one which implies dishonest gain by those involved. To apply the term to the conduct of a person is deliberately to call him a thief. Yet we sometimes pass by obvious cases of graft with little thought where a similar gain employing more direct thievery by those involved would cause us to protest violently.

There is an open field for members of class committees to profit directly by the awarding of contracts. Not directly in money, perhaps, but by the gift of certain articles, which the company sells to the other students. In other words, for the awarding of a contract to a certain company for the supplying of certain articles to the members of the class, the members of the committee controlling the awarding of the contract might each receive a free article. This extra cost, of course, is not borne by the company but by the class. The company merely charges an increased price for the article, shifting the burden of the "presents."

In such a case, the men chosen by the class to select the articles and to award the contracts deliberately take the money value of these free articles from the pockets of the members of the class, their fellow students. And any member of a committee accepting such articles, knowing that the class pays for them, is a thief.

To expect everybody to be perfectly honest is beyond hope, but in such matters as this, common decency should keep a man from cheating his friends. We believe that the members of the present class committees at Armour will play square with the men in the class, the men that placed a trust in them. The few dollars stolen from the class mean little, the principles involved mean much.

THANKSGIVING

Our Thanksgiving will be made more happy because the "funk" notices appear after the holidays. Thus we will be able to state with blushing modesty, "I have received no 'funk' notices, as yet." Of course, the "as yet" will be said under the breath.

The final reckoning will be postponed, no family quarrels will take place at Thanksgiving, and all will be serene. Do have some more turkey.

"To tell our own secrets is generally folly; but that folly is without guilt; to communicate those with which we are intrusted is always treachery, and treachery for the most part combined with folly."
—Dr. Samuel Johnson

"Nature worketh in us all a love to our own counsels; the contradiction of others is a fan to inflame that love."
—Hooker

THE SLIPSTICK

Cleave to "The Slipstick"; let the Slapstick fly where it may.

DEDICATED TO TEXTBOOKS

If there should be another flood,
For refuge hither fly;
Though all the world should be submerged
This book would still be dry.

B. J. S.

No, an optimist is not an eye doctor.

Are you a college man?
No, my hat blew off and a truck ran over it.

Good Idea

Bart suggests that the Senior jackets have the "3" fastened on permanently, while each purchaser will be supplied with three or four additional numbers, with snap fasteners on them, so that they can be removed with ease. Then, too, each successive number might be a little darker than the one preceding so that they may match in color.

The meek may inherit the earth all right, but the bold will come and take it away from them.

Indoor Sports

Bachelor: "Well, how do you find married life?"
Benedict: "Great fun. My wife cooks, and I guess what the dish is."

Wait.

He called his girl Westinghouse, because she got all the breaks.

Teacher: "Where do pearls come from?"
Ichabod: "Oysters."
Teacher: "And where do diamonds come from?"
Ich: "Fish."

Chester.

Carl: "Do you know what the three balls of a pawnbroker's shop stand for?"
Herbert: "Why no."
Carl: "Two to one you won't get it back."

J. A. N.

Rumble seats are the training ground for contortionists.

There's a Wise-Cracker in Every Hall

Speaker—"Do I look like I descended from a monkey?"
Back Seat—"No, you don't for a fact. Tell us how it happened."

R. F. S.

A lot of fellows who spend an hour or two playing touch ball on Ogden Field seem hurt if they have to walk two blocks to a store.

Mother: "How long did your boy friend stay last night?"
Darling Daughter: "Don't bother me with petty matters."

C. G.

Maybe It Is Sterno

Nowadays when a person with a flask says "Take a drink of this, it will straighten you out," he is probably right.

Walt.

Three Englishmen sat on a hotel porch. A car passed. "A Fiat" cried one. Twenty minutes later the second man said, "No, a Rolls Royce." Half hour later the third arose and left saying, "I can't stand these beastly arguments."

Believe It or Not

The rolling pin was the original night club.

Miss—"Could I see the Captain?"
Sailor—"He's forward, Miss."
Miss—"I'm not afraid. I've been out with college boys."

Chester.

Please Pass the Cranberries

All that one gets to be thankful for at Thanksgiving time is indigestion, a bad headache, turkey hash, and turkey hash.

Fools rush in where angels would go, if they felt sure they wouldn't be seen.

R. F. S.

An Old One in a New Form

"You are run down," said the doctor. "You need an ocean voyage. Will your business permit it?"
"Oh, yes," replied the patient. "I'm second mate of the Anna Maria, just in from Hong Kong."

If all the "wise cracks" heard at the big football games were written down, there would be some more material for the SLIPSTICK.

They say a little knowledge is a dangerous thing. We think that the average student isn't in any immediate peril.

Be sure and eat heavy Thursday, because you might not be able to eat after December 2. It's Valentine day, you know.

K. K.



Wallace Bruce Amsbury

(A Biographical Sketch)

By STEPHEN JANISZEWSKI, '30

Wallace Bruce Amsbury, Professorial Lecturer in General Literature at Armour Institute, was born in Pekin, Illinois, on February 13, 1887.

To be a reporter and dramatic critic were Professor Amsbury's first urges. He devoted a great deal of his time to newspaper work and while in high school he held the position of correspondent and editor of the Pekin edition of the "Peoria Transcript," for which he wrote daily two columns of news. He was also a member of a local dramatic society, deeply interesting himself in oratory and kindred arts.

At nineteen, Professor Amsbury joined the Casino Opera Company and in the three years that he was with them he sang in twenty-two

operas, playing some twenty-nine parts in character and comedy roles, many of which were leading parts.

In 1889, Professor Amsbury joined the Marie Wainwright Company, which at that time was playing in a spectacular production of Shakespeare's "Twelfth Night." This show appeared in every large city in the country. During the following year he was stage manager of this company. He had 175 supernumeraries to drill and handle in a production of Sir Walter Scott's "Kenilworth." At that time this was considered a mammoth production and the height of its glory was reached when they played in Palmer's Theater on Broadway, in New York City, in a run of twelve weeks, with two extra matinees each week. In his four years with this company he played in Shakespeare's "Taming of a Shrew" and "As You Like It," as well as many English comedies.

Then followed a season in Joseph Arthur's "Bluejeans," a season with Nat Goodwin, and two seasons with Thomas Seabrooke in "The Speculator." He left the stage for lyceum work, giving readings with the Wagner Concert Company. He jointly appeared with the novelist, Opie Read and the poet, Charles Banks touring the United States. He made joint appearances with Jessie Bartlett Davis, a contralto in her concert tour in 1900.

Professor Amsbury has made contributions to the New York Dramatic Times, the Dramatic Mirror, Life, Century Magazine and Forum. He is author of "The Bal-lades of Bourbonnais" and "M'sieu Robin."

Professor Amsbury belongs to the International Lyceum and Chautauqua Association. He has toured all the "Big Time" Chautauqua circuits and has been under the Red-path Management for twenty years. He also holds honorary memberships in the Kiwanis Club,

Inquiring Reporter

Question: Do you consider being allowed to talk in the library a help or a hindrance to your work?

C. B. Sommer, '33, Arch. It is a help because working together is more beneficial than working alone.

J. Sandstedt, '33, Arch. Talking is a help if it is done moderately and without undue noise.

E. L. Cordes, '32, Ch. E. It is a help because without being allowed to talk in the library you would have to go outside to talk.

W. Hornberger, '32, C. E. Talking is O. K. If a fellow really wants to work it won't bother him.

T. A. McGill, '32, E. E. It's a big help when you want to find out something and a hindrance if you want to study.

T. Bonvallet, '32, E. E. Loud talking while discussing nothing of importance bothers everybody, but when fellows are discussing their work they are usually not talking loud enough to bother others.

M. G. Saunders, '30, Arch. The architects are never in the Armour library anyway, because our reference work is mostly architectural. However, in the Burnham and Ryerson libraries, absolute silence is maintained, greatly benefiting those who study.

E. B. Ross, '30, F. P. E. It is impossible to get along without some communication in the library. However, unnecessary noise is harmful.

the Forty Club and Knights of the Round Table.

In 1903, he married Bertha Louise Morgan of Pasadena, California. He has one daughter, Dorothy Morgan Amsbury.

This is Professor Amsbury's ninth year at the Armour Institute and he likes it more every year.



The telephone grows air-minded

THE BELL SYSTEM has made many successful experiments in two-way plane to ground telephone communication. This new development illustrates how it marches a pace ahead of the new civilization. It is now growing faster than ever before.

New telephone buildings are going up this year in 200 cities. Many central offices are changing from manual to dial tele-

phones. A vast program of cable construction is going on.

This is the period of growth, improvement and adventure in the telephone industry. Expenditures this year for new plant and service improvements will total more than five hundred and fifty million dollars—one and one half times the entire cost of the Panama Canal.

BELL SYSTEM

A nation-wide system of inter-connecting telephones



OUR PIONEERING WORK HAS JUST BEGUN

REVIEWS

FOLLOW THRU

Presented at the Apollo Theater When Schwab and Mandel presented at the Selwyn, "Good News," that delightful musical comedy, the box office reports for its prolonged engagement were quite favorable; when that collegiate musical was withdrawn from public view, it was only a question of months before another of its type and pattern would be on the Chicago stage.

This "Follow Thru," was staged, and while it is not up to the pace-making standard of its predecessor, it does give one the impression of being lively, joyful and high-stepping. It is not collegiate but the plot hinges heavily on golf and golfers. The story consists mainly of the efforts of a lovely young lady to regain her lost championship in a local country club. She, being exceptionally weak in the art of putting, acquires as an instructor one, young, handsome and of the opposite sex. There soon develops the expected complications, but as always, love conquers over all.

The greatest attraction of the show is not one of the leading characters but the witty inimitable and entertaining comedian Olive Oleson. In fact her songs are the hit of the bill; "I Want to Be Bad" invariably draws prolonged encores.

The lines are clever; the scenes hilarious, and the entire show a riot of fun. A most pleasant evening can be spent at the Apollo, and many more in chuckling reminiscences. S. T. Garfinkle.

Chemical Society Holds Meeting at City Club

The monthly meeting of the American Chemical Society was held last Friday evening at 7:30 at the City Club.

The feature of the evening was a talk presented by Professor Silverman of the University of Pittsburgh, who spoke on the manufacture of glass.

Northern Light Proves Valuable for Number of Different Purposes

In the latest issue of the Public Service Company of Northern Illinois Co. News, of which C. R. Bishop, '25, is editor, the following article appeared, telling of the uses of their newly purchased amphibian plane.

The Company's latest addition to its equipment, the Sikorsky airplane Northern Light, is proving itself very valuable for a number of purposes, according to the records of the plane's use. Among the more important uses were two preliminary aerial surveys of rights of way for a projected transmission line and a gas main.

L. W. Tuttle, Engineer of Gas Distribution, used the Northern Light to fly over alternate routes proposed for new gas mains. He was able to cover 100 miles of projected right of way in four and one-half hours, a trip ordinarily requiring three days by automobile. In addition, the view from the plane was helpful because of the increased perspective.

Flies Over Right of Way

C. E. Ambelang, Engineer of Transmission Line Design, commanded the Northern Light for a journey over the right of way of a proposed high line. It was possible by using the plane, to make an inspection trip in one day that ordinarily would have taken two or three days, at the same time giving the members of the inspection party a greatly increased horizon.

Aerial inspection of rights of way makes possible an intelligent selection of route by a few men in a short time of what would take weeks by any other method.

Transports Officials

Reconnaissance by officials for projected schemes, of which no detail is available, has also been made.

Members of the Joliet Park Board were recent guests aboard the Northern Light to inspect airports in the Metropolitan Area.

From reports, they were very enthusiastic about this method of inspection.

Frosh Heed Siren Call Near Undress

Life is just one extreme after another with a whole lot of injustice between the two, at least so thought a class of freshman gymnasts, last Thursday when at the sound of the fire gong, they were forced to dash down 5 stories and stand, garbed only in trunks, on the walk in front of the main building.

Imagine standing on a walk with an icy wind at your back, minus everything but a thin pair of trunks, while speculating, if this is possible with so few clothes on, as to the possible location, intensity, and persistency of a fire, a real red hot one.

It's an ill wind that blows nobody any good, and just to prove the adage, it happened that a senior economics class was interrupted in the midst of a quiz. That siren may have sounded like one thing to the freshmen 5 stories up, but it symbolized the other extreme to those seniors who were feeling trapped, though not by fire.

A. I. E. E. Convention At Drake Dec. 1-3

The Chicago District Meeting of the American Institute of Electrical Engineers will be held in Chicago at the Drake Hotel from Dec. 1 to 3 inclusive.

All Junior and Senior electricians are members of this organization and will attend many of the meetings to be held during this time.

During the three days there will be a series of sessions on technical subjects interspersed with inspection trips to various places such as the State Line Generating Plant, Western Electric Co., etc.

Tuesday night, there will be a dinner-dance, in the main ballroom of the Drake, with a charge of \$3.50 per person.

Math Society Accepts Paper by Prof. Teach

Professor V. B. Teach, of the Mathematical Department has had accepted by the American Mathematical Society a paper on "The Hamilton-Jacobi Theory for the Problem of Lagrange in Parametric Form." This paper is the present result of research in the field of "Calculus of Variation" made by Professor Teach and will be read and discussed at the meeting of the A. M. S. to be held November 30 at the University of Michigan. The paper will be published later in the society journal.

Professor Teach is planning to spend his Thanksgiving holiday at Ann Arbor.

DEANS' OFFICE NOTICES

All changes in addresses should be reported immediately to the Deans' office.

A set of drawing instruments, a Chemistry Laboratory Manual, and 4 small notebooks are included in the list of uncalled for articles in the Lost and Found Department.

We have no idea how it is done, but a local golfer can drive a wooden tee 60 feet without disturbing the ball.—Detroit News.

Daily Paper Features Armour Graduate

An article in the Chicago Evening Post of November 13 gave an account of the rise of J. M. Eckert, '10, C. E.

Seven years ago he founded the J. M. Eckert Co., decorating establishment, which is now one of the foremost modern paint contracting businesses in Chicago.

Previous to that he had been chief efficiency engineer for the United States Steel Corporation. He started on another vocation when he began buying run-down businesses, and building them up as soon as possible at a profit.

While in the improvement work he acquired a painting business along with other store buildings on one of the busiest streets of the north side. Having the business, he started out to learn enough about it to put it on a paying basis, and the first thing he knew he was liking the business and resolved to make it his life work.

Roosevelt Road Bridge Engineered by Alumnus

Carl O. Johnson, '06, C. E., is the chief engineer for the new Roosevelt Road Bridge over the new channel of the South branch of the Chicago River.

The straightening of the River opens up three streets for the south side and involves territory valued at billions of dollars.

Freshman Class Has Good Math Standing

The number of mathematicians in the Freshman Class is a bit higher than in previous years, or else the Mathematics Department is giving the men more of a break, for not as many as usual are returning to the Review Algebra class. Only 31 per cent are turning back, whereas in former years at least 41 per cent were desirous of increasing their knowledge of high school Algebra.

In Trigonometry there is no review class, because the math professors have neither the room nor time to devote to the lacking ones, not because there is no need for one.

Revised Mechanics Book Almost Ready

Professor Leigh announces that the revised edition of Leigh & Mangold's Practical Mechanics and Strength of Material, on which he is now working, will be ready January 1 and will be in use during the second semester at the institute. The book is being printed now and contains many improvements over the original. Besides having new chapters and new problems added, the book has been changed in many places to show better explanations of facts. Students in Architecture will be the first students to use the revised book next semester.

Every little girl goes through a spell of playing house. The problem is to keep her that way after the wedding.—Rutland Herald.

FRATERNITY NOTE

TRIANGLE

Armour Chapter made its annual hegira to the Fireman's Ball of the Illinois Chapter, Saturday. The property damage was considerable in comparison with the enjoyment of the brave corps of volunteer firemen. The only fly in the ointment was the new ruling of the board of student control which barred the heroic fire-eaters from entering the house through a dormer window.

Maynard Venema, '32 has returned to school after undergoing an operation for appendicitis.

RHO DELTA RHO

Alumni of Rho Delta Rho opened their fall social season with a bridge party at the Chapter House on November 16.

The social committee of the active chapter is planning to make this fall and winter a banner season. An unusual program is under consideration.

PHI KAPPA SIGMA

Phi Kappa Sigma announces the pledging of George W. Burhop, Ch. E., '33.

SIGMA KAPPA DELTA

A meeting of the Alumni Association of Sigma Kappa Delta was held at the Chapter House on Thursday, November 21, 1929.

Record Roll in Night School Math Dept.

The Mathematics Department connected with the night school has the largest enrollment it has ever had. Proof for this statement is offered in the fact that for the first time Analytical Geometry is being taught the First Semester. There is a total of 23 students now

Tau Beta Pi Fellowships Open to Senior Members

Six Fellowships, of 750 dollars each, have been offered by Tau Beta Pi, national honorary engineering fraternity, to graduating seniors who are members of that organization. The members of Tau Beta Pi in the Senior class at Armour will be eligible to apply for these awards. These Fellowships are given to provide opportunity for graduate work by those men "who show good promise of substantial achievement."

Each Fellowship of \$750 is payable in ten monthly installments of \$75 each. Few rules have been established as to who shall receive these Fellowships and how they shall be used. This was done purposely, because most existing awards are designated for some specific purpose and a student with original ideas will seldom find one available which will suit his needs. The Executive Council determining to whom the Fellowship will go will, of course, be governed by the practical consideration that these should be allotted only to those that really need them.

taking analyt in night school.

In college algebra, there is a double section for the first time, and the Review Algebra and Trigonometry classes are filled to the limit.

Faulstich Represents Pi Tau at Convention

H. W. Faulstich, '30, was the Armour delegate to the National Convention of Pi Tau Sigma, honorary Mechanical Engineering Fraternity, at Cincinnati, Ohio on November 22 and November 23. The convention was held at the University of Cincinnati by the eight chapters.

Election of officers took place for the coming year, and other work was accomplished. The former officers were G. L. Larson, President, and John V. Martenis, Secretary-Treasurer. Larson is Head of the Department of Mechanics at the University of Wisconsin, and Martenis is Professor of Machine Design at Minnesota University.

Faulstich was expected to return by Monday, November 25. The National Convention was held in Chicago last year, with the Armour chapter acting as host.

What the dries want is a prohibition dyke as effective in its way as the tariff wall.—Virginia Pilot.

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TEAMS PRACTICE FOR INTER-CLASS CAGE TOURNAMENT

First Tilts Scheduled for Play Next Week

ALL FIVES CONFIDENT

The Inter-Class Basketball games will be played starting Wednesday following the Thanksgiving vacations. The Freshmen take on the Sophomores in the first game scheduled for Wednesday, December 4, with the Junior-Senior Tilt following on December 5. The final game will be played on Monday, December 9 in the gymnasium.

Practice has already started for the different classes. The managing of the tournament is in charge of V. A. Sturm, '30, Inter-Class Basketball Manager.

Seniors Quiet

The Senior Basketball team under the management of Don Smith, '30, has been working out quietly, almost secretly. The men on this squad expect to spring a big surprise on the other teams with a series of tricky plays. Among the leading candidates are Smith, Rowley, Ross, Paul, Serson and Fee.

Juniors Practice

Yesterday evening beginning at 4:30 p. m. the junior class basketballers held their first and only practice session prior to the big interclass series of next week. This practice, after considerable "rail-roading" of undesirable individuals from the gym, was held behind closed doors.

With 20 very good players to choose from, it seems that the '31 boys should have little difficulty in placing a scrapping five on the floor in their game with the "big-shot" seniors.

In Rutkowski and Miran the juniors have a pair of varsity guards who can be rated with the best players at Tech. In the Senior-Junior clash these men will probably play in their usual positions. Ed Stehno with his valuable right wing will also be ready to do his share in collecting the senior scalp.

Eddie Erland, who is also connected with the varsity in that he is one of the acting assistant managers, may evolve in a forward position, for it is here that his cyclonic speed may be used to good advantage. Steve Stevenson with his buddy Austin may bust into the game depending on how things progress with the fourth-year men. Wally Schirmer, Setterburg, Kuteruf, and "Shot-putter" Holt will be ready for instant call in case they are needed to pull the bacon from the fire.

Clare Robin and Stan Ott of the Kraftsmen would certainly like to aid the cause but because of the letter ruling they will be forced to enjoy the game as spectators rather than players.

Sophs All Set

All of last year's freshmen basketball representatives turned out for Sophomore practice last Thursday evening when a call was made for members for this year's inter-class basketball team.

Carlson, Billings, Stalzer, McClelland and Leichtenberg of the '28 freshman team were among those that flocked to the gym. There was a total of about seventeen men. Others who appeared as good prospects were Lind, Beale, Schmidt, Young and Anderson.

Frosh Basketball

The freshman basketball squad held their first meeting last Wednesday evening, at which time they elected W. E. Gustafson, '33, their captain. About 25 aspiring young frosh answered the first call and after holding a short meeting they turned to the practice of the fundamentals of basketball and several simple plays.

Coach Gustafson deemed it best to go through simple plays of the game first, in order that everyone should get a fair chance to make the team. At the next several practices Gustafson will reveal some of the plays that put his high school squad on top of their conference.

The prospects of an exceedingly good squad are very promising for several others besides the captain have had plenty of basketball experience.

Inter-Fraternity Schedule Ready

Representatives of Armour's ten social fraternities met last Wednesday evening for the purpose of formulating plans for the coming inter-fraternity basketball tournament.

"Bud" Weldon, director of the inter-fraternity athletics, proposed a schedule which was unanimously adopted. In this schedule it will be noted that the ten teams are divided into two sections of five. The winners of each section will meet for the championship.

The halves are to be sandwiched, that is, two teams will take the floor for two quarters and will take a recess while two other teams play two quarters. All quarters are to be eight minutes in duration. The probable referees will be Hut Kuehn and "Bill" Downs.

The prize at stake is a floating trophy which may be acquired for permanent possession if a team wins the inter-fraternity tournament for three consecutive years. At present the Phi Pi Phi fraternity has two legs in the trophy that is up for this year's competition.

Thus far, Weldon has arranged only the system of the schedule.

Ott Burns Hand in Chemical Lab

Stan Ott, F. P. E. '31, and a member of the varsity basketball squad was injured in the Industrial Chemistry laboratory last week when a dish of alcohol which he was carrying suddenly became ignited. Stan, under the stress of the accident tipped the dish and the ignited liquid spilled over his hand, resulting in serious burns. The accident was not, however, severe enough to cause his absence from school.

Boxers Seek Strong Teams on Schedule

The tech boxing squad has been practicing twice weekly on Tuesday and Friday evening and although Coach Weissman has not made any cuts in his squad nor picked a first string team.

Manager Stick who has been working out a stiff schedule for the leather pushers, intends to have a meet with Culver and some Chicago Y. M. C. A.

Last season the boys journeyed to St. Louis, Mo. to compete with the U. of St. Louis. This year's bout with them will probably be dropped since the expense incurred in bringing them here would be too great.

A. T. A. A. to Meet Before Christmas

Simpson, president of the A. T. A. A., announces that the meeting of the society will probably be held before the Christmas holidays. The A. T. A. A. will not meet until business more pertinent than has already accumulated presents itself.

Moscow.—A large bronze statue, made in the United States and paid for with American dollars, in the near future will be the principal adornment of the public square in front of the Palace of Labor, headquarters of the trade-unions here.

Gridiron Queries

By Professor John J. Schommer

(Editor's note: Professor John J. Schommer, star player, conference umpire, and leading football authority, will answer through this column, any questions on football which are puzzling our readers. Questions may be submitted to the Sports Editor, A. H. Jens, or they may be placed in the Armour Tech News box which is located in the main building adjacent to the elevator on the first floor.)

Question 1. Team A punts. Safety man of team B makes no attempt to catch the ball believing that it will roll into the end zone. End of team A, however, reaches ball and knocks it down onto the playing field, after which the ball rolls on over the goal line into the end zone. Where is the ball placed on the next play and to whom is it awarded?

Answer 1. Team B's ball either as a touchback or at the spot where A, the offside man, touched the ball.

Question 2. If a man picks up a ball five yards behind his own goal line and runs for a touchdown, is he officially accredited with a 105-yard gain, when calculations are made on the yardage gained during the game?

Answer 2. Yes.

Question 3. Is the coach permitted to signal to his men while the game is underway?

Answer 3. No.

Question 4. What is the "Little Brown Jug"?

Answer 4. A brown crockery jug that goes to the winner of the Minnesota-Michigan game. The same jug has passed back and forth for a great many years.

Question 5. To your mind what is the most brilliant example of "headwork" that you have seen displayed in a football game?

Answer 5. There is usually one outstanding case of this in each game. The "head work" of "Tiny" Lewis in the Northwestern-Michigan game of several years ago is an example of quick thinking when the outcome of the game might rest entirely on a single play. The game as I recall it was played in the worst weather conditions. Northwestern scored on a successful place kick early in the game and managed to hold this lead. With but two minutes to play and with the ball in Northwestern's possession on their own 10-yd. line it seemed to be their game. After three tries through the line the ball rested on Northwestern's 1-yd. line. On the next play, a punt being practically impossible, "Tiny" Lewis grounded the ball behind his own goal line. Michigan was awarded 2 points by virtue of the play. On the next play Northwestern was given the ball on its own 20-yd. line. The game ended with the final score Northwestern 3, Michigan 6. It possibly would have been Michigan 6, Northwestern 3 but for Lewis' brilliant "head work."

Question 6. Can nine men be played in the line? If not, how far back must the extra men play?

Answer 6. Eleven men may play on the line. The backfield men must be at least 1 yd. back excepting the man who first receives the ball.

Question 7. On the kickoff, does the receiving team have to take the ball wherever it lands? Is a penalty inflicted for kicking the ball offside?

Answer 7. If the ball goes out of bounds twice in successive kickoffs the ball goes to the opponents on 40-yd. line. If ball rolls into end zone and is recovered by kicking team, a touch down is allowed. If

TECH BASKET TEAM ON ARMORY FLOOR FOR SCRIMMAGE

Many Substitutions For Squad During Practice

SWEAT SHIRTS ISSUED

The fourth week of basketball practice saw the Armour Tech squad on the Armory floor. Sixteen men appeared for the first practice on the new floor, and a few more were in action the second night.

Practice shirts were given out and Krafft called for a scrimmage the first night. It took most of the practice time for the men to become accustomed to the change of floors. Frequent substitutions were made in order to discover the best combination.

Sweat suits were handed out by Coach Krafft the second night, and they were quite welcome for the Armory is not very well heated. Sixteen of these suits were distributed.

Bad news was again in evidence when Stan Ott was injured. Stan burned his hand in Chem. lab. and will be out for about two weeks. To balance this, Miran appeared for practice with his broken nose well taped. Miran cannot scrimmage now but will be able to do so next week, providing he wears a nose guard.

Most of the practice session is now devoted to defensive and offensive drills. No definite team has been chosen as yet. Krafft expects to keep on working with different combinations until a smooth-working five is found. At present everyone has a chance for regular employment. This situation will probably last another week or so when a more definite selection will be made.

receiving team downs ball in end zone, touchback. Otherwise ball is dead where downed.

TECH SHORTS

Spirit Dies

In a few days it will be Turkey time and our thoughts of football will vanish just as our hopes of an Armour Tech football team has vanished this year.

We have a hope deep down in our hearts that sometime in the very near future our dream will come true, when we will be able to see gridders clothed in the colors of dear old A. I. T. fighting Chicago, Wisconsin or even Notre Dame in the big game of the year.

But Still

Rumors of plans of a new A. I. T. have been developing in the past few weeks. Possibly with these new arrangements, if any, plans for a football team can be developed. We are hoping for the best.

Neither Snow, Nor Rain, Etc.

The cold weather does not seem to prevent the embryo engineers from engaging in their daily touch football interests over at Ogden field.

Touch football will probably be played until the snow flies or maybe until the pigskins wear out.

Lest We Forget

George Jennings, who played a good deal of tennis when he attended Tech, was listed No. 3 in the Chicago district rankings for this year. He was listed with his partner, Braudt as No. 2 in the doubles ranking. We expect in a short time that George will receive a national standing somewhere around 7th or 8th.

For Rent or Short Lease

With the Varsity Basket experts doing their stuff over at the Armory one would expect the gym to be vacant on Mondays, Wednesdays and Thursdays. Interclass basketball practice and games will consume all of these days until Christmas, then it will be the interfraternity games until exam. week.

The floor at the Armory is just about as large as six or seven Tech

Varsity Swimming Team Holds Weekly Practice

The swimming team still has not had any meets, but Manager Vander Velde '30, reports having upward of two dozen letters out, inviting and challenging other teams.

Dates have not been definitely decided upon though the team is especially willing to have a meet in the near future with Crane College. Any men interested in the sport and anxious to become a member of the team are asked to report to practice at the U. of C. pool at 57th and University Ave., any afternoon especially Tuesdays or Thursdays between 4 and 6 p. m.

gym. An ambitious player might even attempt an end run when dribbling down the floor.

First vs. Second

December 4th will see the first of the interclass contests. The Frosh and Sophs will tangle in the battle of the year in the cigar box gym of Tech. Our money is with the Sophs in this contest.

Why Not?

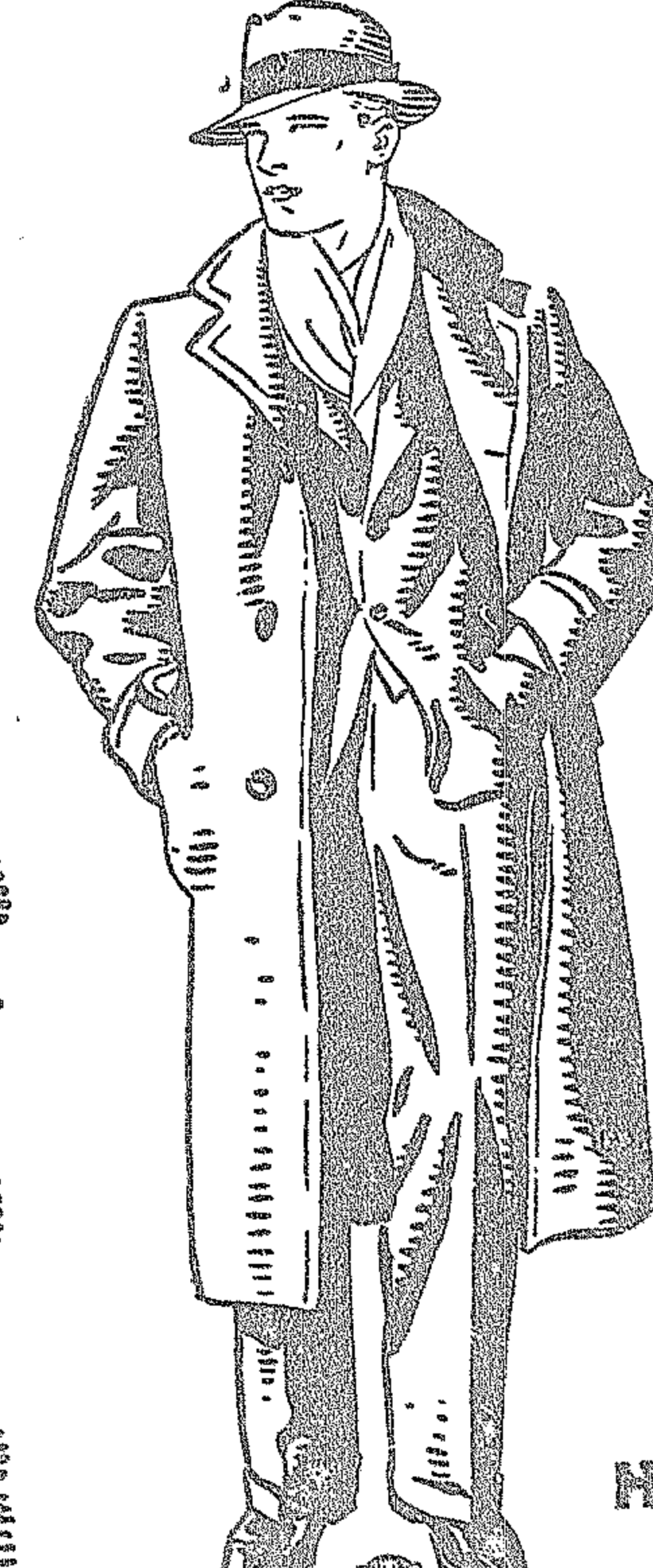
The Juniors are ambitious lads when it comes to dress. When it was announced that the Seniors would wear jackets a few '31 men got together and thought it would be a good idea if they wore "cords," meaning corduroys.

Junior Year

According to the records 1914 like 1929 was a Junior year. Then the Junior Class won the baseball, track and basketball championships just as the present juniors are going to do.

Professor Schommer has promised us a review of the 1929 football season for an early issue of the Tech News. Watch for this for John sure does know how to spill out the words. If you don't think so read his "A Wonderful Day" in the current issue of the "Engineer."

A. H. J.



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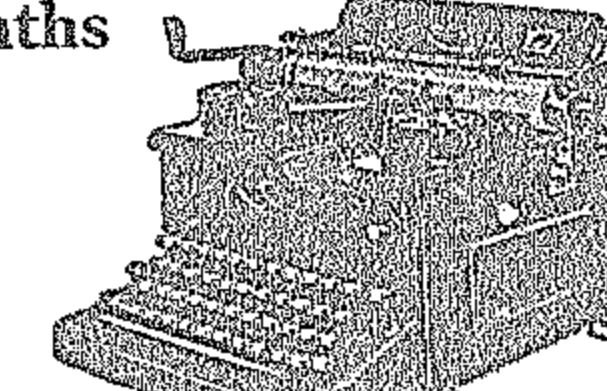
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