



GENERAL PARKER DELIVERS ADDRESS TO STUDENT BODY

Washington's Military Principles Involved in National Defense

AWARDS PRESENTED

BY LEROY J. BECKMAN

In observance of Armistice Day, an assembly for the entire student body was held last Friday morning, the guest speaker for the occasion being Major General Parker.

The program opened with the singing of "America" by the entire audience, after which musical selections were given by both the orchestra and the Glee Club. The student body accepted the offerings of these two musical organizations enthusiastically.

Seniors Receive Check

Professor Schommer then presented the alumni award of fifty dollars to the senior class for the largest attendance at the recent Alumni Reunion banquet. Additional awards were made to the members of the champion interclass baseball and basketball teams.

Dean J. C. Penn was the next speaker, and after calling the assembly's attention to the importance of observing Armistice Day, he asked Professor R. B. Freud to introduce the main speaker, General Parker.

The subject of General Parker's speech was based on the experiences and principles of the great leader, George Washington, and was presented in an interesting manner. General Parker said that in view of the fact that we celebrate the 200th anniversary of George Washington this year, it would be well to reflect on the sound doctrine set forth by the father of our country.

As was pointed out, Washington's military career began at the age of sixteen, fighting the French and In-

(Continued on page 3)

Campus Club to Hold Housewarming Friday

A smoker and housewarming is to be given by the Armour Tech Campus Club in its new rooms on Friday evening, November 18, at 7:30 p. m.

This social event is given primarily for the purpose of familiarizing Armour students with the activities of the campus club and all students interested are cordially invited to attend. No admission fee will be charged.

Chess, checkers, and card playing, together with plenty of smokes will insure a good time for all.

Refreshments and additional entertainment will complete the occasion.

Five Men Pledged at Pi Tau Sigma Smoker

Members of Pi Tau Sigma held their annual smoker last Tuesday night, November 8, at the Triangle House for the purpose of pledging new members.

Five men were pledged during the evening, three Seniors and two Juniors. Pi Tau Sigma wishes to announce the pledging of the following men:

M. J. Erisman '33, W. C. Hoffman '33, R. E. Nelson '33, R. W. Sumner '34, and Earl Goswiler '34.

Schommer Organizes Out of Town Alumni

In connection with his work on the Armour Development Plan, Professor John Schommer made a trip to Milwaukee last Monday. The purpose of the trip was the organization of the Armour alumni in Milwaukee into an alumni club.

Monday, November 28, Prof. Schommer proposes to make a similar trip to New York in order to organize the Armour alumni in New York city into a club.

COMMITTEE GETS SAMPLE JACKETS FOR SENIOR CLASS

The seniors are fortunate in the choice of jackets which has been made by the Senior Jacket Committee. The major point of interest is the price of four dollars. Though fifty percent lower in price than any of the jackets of former classes the quality has been considerably improved.

As usual the jackets will be black. An unusual feature is the fact that they are well water-proofed and may be worn in all sorts of weather. Pockets and cuffs are trimmed in red; the monogram is the new Armour insignia of gold on a red background. Another feature is that they will have a belt across the back.

The cut is unusually collegiate and compares favorably with the best jackets of other schools.

Jacket Now on Display

This improvement in jackets has been the result of the conscientious work of the senior jacket committee, which consists of J. D. Penzance, chairman, E. A. Swilling, J. J. Gurn, R. H. Loesche, and E. L. Sanford. The jackets are the product of the A. G. Spaulding Company.

A sample jacket is now on display in the main building. Any additional information which may be desired can be obtained from the members of the committee.

SENIOR INFORMAL WILL BE HELD AT MORRISON HOTEL

The social season of the college year will be opened by the Senior Dance to be held on Friday, December 2 in the Casino room of the Morrison Hotel which has been chosen for the unique lighting system and its color scheme which will blend in with the modern touches of an unsurpassed orchestra. Maurice Sherman, who has recently played at the College Inn, the Hotel Sherman, and the Tribune is the orchestra chosen for the occasion. He is featuring Joe Phidole, the drummer never to be forgotten for his style of singing and his seven rhythmic masters. Four hours of dancing, from 9 till 1 a. m. may be had at the reasonable price of two dollars per bid.

Sale Opens This Week

Wilfred Davies, social chairman of the senior class, together with Harold Bannasch, William Booth, Roy Carlstrom, and Irving Johnson, comprise the social committee which is busy at work completing the plans for the dance. Bids will be on sale by social committees of each class the first part of this week. The alumni are also invited to attend. As soon as the programs are printed they will be on display on the first floor of the main building.

Student Injured While Wrestling

George Ketham, a junior, last Thursday while practicing with the wrestling squad, had one of his neck bones displaced, after having been thrown by his opponent. At first it was believed that his collar bone had been broken, but an X-ray taken at the Mercy hospital, where he was taken, showed this to be false.

According to a statement given out by the doctor, the injury is not serious, and George will be able to return soon.

CHI EPSILON PLEDGES

Chi Epsilon, honorary Civil Engineering fraternity, held a meeting at the Triangle House last Thursday night, November 10, at which the following men were pledged to the fraternity: Lawrence Gabriel, '33, Jacob T. Mauer, '33, and John E. Schreiner, '34.

"Bouncing" Beaker Helps Mr. Shaver Win Schmier Award!

BY PAUL J. THOMPSON

A "tsk" to Earl "Oil" Shaver, latest winner of the much renowned "Schmier" Trophy, for his recent remarkable performance in senior chemistry!

The trophy, a broken Florence flask neatly cast in bronze, was presented quite forcibly to the unwilling recipient by "Honorable John" Miller in the presence of the assembled seniors in the "bug" lab, (chemistry lab to those who are unfamiliar with the nomenclature in common use at this institution). The presentation was followed by loud and prolonged reverberant or Bronx cheering led by "Honorable John".

Mr. Shaver's non-paired experiment is described in detail as follows: It seems that he was handling a considerable quantity of some heavy organic mixture over an open flame, when due to no fault of his, no Mr. Shaver says, the beaker "bounced" (Bouncing is caused by a large bubble of

vapor rising too rapidly in the liquid to free itself and thus lifting the liquid and container with it.) The aforementioned bouncing beaker however, stopped upon coming in contact with the stone table top and sad to relate, broke, scattering the warm oily mixture within it over the persons and belongings of many of Mr. Shaver's classmates. This, while irksome in itself to the students was still further aggravated when Mr. Shaver disclaimed any responsibility for his dastardly act. He was nominated on the spot as Schmier trophy winner and a vote was unanimous.

Officially, Mr. Shaver is the first winner this year, although several men have almost made the depths achieved by him; but since sulphuric acid will soon be the order of the day, it is expected that the traveling trophy ("Schmier") will leave Mr. Earl "Oil" Shaver's possession within a few weeks.

JUNIOR AND FROSH SOCIAL CHAIRMEN NAME COMMITTEES

Raymond Pflum, social chairman of the Junior class, has chosen the following men as members of the committee: R. Blumh, Archie, G. Korick, C. E. A. LaForte, M. E. S. Lillis, Ch. E. D. H. Peterson, P. P. E.

The committee will meet this week to make definite arrangements for the Junior Informal, which is scheduled for the latter part of January. Although the freshman social committee has not as yet made any definite plans regarding the social calendar, chairman Pflum has appointed the following as members of his committee: Neumann, E. E. Fougat, C. E. Peterson, P. P. E., and Ford, P. P. E.

F. P. E. S. Announces Plans for Meetings

The next meeting of the Fire Protection Engineering Society will be held at ten-thirty, Friday, November 18, in Room 11 Mission.

Jarl T. Sorenson, president, announced that the speaker will be Mr. P. C. Snapp, Superintendent of the Fire Department, of the Acme Fire Insurance Company who will talk on his company's experience in handling large property and methods of analysis and comparison.

Dramatic Club Elects Davies as President

The Dramatic Club definitely selected a play, adopted their constitution, and elected officers. The name of the play has been withheld until later.

The new officers are W. W. Davies, president; Al Kulpak, secretary-treasurer; and H. Menger, producer. The faculty advisor is Professor Hendricks.

Tryouts were held yesterday and will be repeated today. The club officers will welcome any students who wish to enter dramatic work. The club is now made up of twenty-three men but the more men who try out, the better the resulting production will be.

W. L. Kelly to Address Members of A.I.Ch.E.

Student members of the Armour branch of A. I. Ch. E. will hear W. L. Kelly, vice-president of the Chicago Molded Products Company, at a meeting to be held this Friday, November 18, at 10:30 in Science Hall.

Mr. Kelly will show moving pictures of the manufacture of bakelite and various other condensation products. After the pictures are shown, he will discuss the mechanical points of the molding processes and the equipment used.

To Give Smoker for Press Men

The Armour Board of Publications will have a get-together at a smoker to be given Thursday, November 17, at 8 o'clock at the Theta Xi fraternity house, 3305 South Michigan Avenue. The Armour Board of Publications consists of the *Armour Tech News* and the *Armour Engineer*, and members of both publications are invited. The board was organized last spring in order to better coordinate the two publications of local and technical news. A cordial invitation to the *Cycle* staff to attend this smoker as guests of the Board of Publications is also extended. Faculty will be represented by Professors Colvert, Finnegan, Gratton, Hendricks, Paul and Peckles.

This event offers a means for members of the staffs to become better acquainted and also for them to become more intimate with the faculty whose interest, work, and advice is ever for the advancement of both publications.

Prowler Breaks Into Student Automobile

Some neighborhood prowler, Thursday afternoon broke into the Buick sedan parked by the owner, A. Lauchikus, Ch. E. '35, on 23rd street opposite the main building. The overcoat belonging to Lauchikus was taken by the thief in exchange for an old dirty shirt and necktie.

Car-owners should park their cars in the regular parking space provided on the south side of the main building where a paid watchman is on duty.

McCormack Traces Development of Chemical Engineering in Talk

Professor Harry McCormack, head of the Department of Chemical Engineering gave radio addresses over station WJJD November 2 and 6.

Professor McCormack traced the development of the profession of chemical engineering and gave a number of examples of modern products and processes that are the results of the services of this profession.

Most of the development of this profession has occurred in the last decade. The greatest early need of the profession was the correlation of research chemical work, and the industrial experience of the older professions.

Massachusetts Institute of Technology was the first to offer a course in chemical engineering. This course was started in 1890.

In 1922 there were seventy-eight colleges and universities that offered a course in chemical engineering, but there was no similarity between the courses of different schools.

These older courses studied indus-

ILLNESS CAUSES KRAFFT TO GIVE UP BASKETBALL COACHING THIS SEASON

Otto Kuehn, Former Student at Armour,
To Take Charge of Team
This Year

U. OF C. GAME SCHEDULED FOR DECEMBER 7

ATHLETIC BOARD ELECTS OFFICERS AT FIRST MEETING

The A. T. A. A. and the Athletic Board of Control held their first meeting this semester on Tuesday, November 8, in Mr. Allison's office. After a preliminary opening speech by the president of the A.T.A.A., the election of officers for the Athletic Board of Control took place. The following men were elected: Professor F. C. Hantley as president; W. C. Kraft as secretary; and G. S. Allison as treasurer. The A. T. A. A. then approved the appointments of W. Weldon as manager of Interfraternity athletics, and R. Meehan as manager of Inter-class Athletics. Due to the poor health of Coach Kraft, a new basketball coach was selected for the coming season. He is Otto Kuehn, a former student at Armour.

After the elections were over, the board voted to let the coaches decide upon the colors for their individual teams.

The change of colors in the Armour official sweater award was postponed to a later meeting.

TOURNAMENT TO BE ORGANIZED BY CHESS MEMBERS

A special meeting of the Armour Chess Club took place in the Campus Club rooms on November 10 during the lunch hour. The matter of organizing a chess tournament was discussed and a course decided upon. All men interested in chess are invited to sign the notice posted in the Campus Club. They will then play off against each other. After these preliminary games, handicaps will be assigned. The tournament will begin about December 1. Regular meetings of the club will be held every Thursday at 3 o'clock in the Campus Club rooms. The officers of the organization are:

Professor Ensz, faculty advisor; H. Cameron, first president; R. Loedel, second president; E. Lomasney, vice-president; J. MacLennan, secretary; and R. Kostenko, treasurer.

BY RAYMOND A. FLEISSNER

The Armour Tech basketball team will be without the services of Coach William C. Kraft for the coming season as he wished to be relieved of coaching duties until he has fully regained his health. An attack of appendicitis last summer put his health in bad shape and the fact that he has been very busy since the beginning of the semester has not helped him recover. On the doctor's advice he has dropped strenuous activities for the time being but expects to be in condition next spring when the basketball season starts.

Kuehn to Coach Basketball

In his stead, the board of athletic control of the A. T. A. A. has voted Otto Kuehn, former Armour student and basketball player who has experience as a coach and official, to take over the Tech engo team for the coming season. Coach Kraft recommended Kuehn for the position, and his selection was further aided by a petition signed by a number of the basketball candidates. He is well known to both the cage and baseball veterans, as he has taken care of the teams in the past when Coach Kraft was otherwise engaged.

Coach Kuehn took full charge of the squad when practice was resumed yesterday at the armory. His selected list of candidates was not known at the time the *News* went to press. From all appearances the new material is the best that has presented itself in the past four or five years, and except for his illness, Coach Kraft would not forego the opportunity of working with the new material this season. However, he is

(Continued on page 4)

Honor A Society to Have Banquet

The Honor "A" Society decided at a meeting last Wednesday that Armour students should not wear any other letter sweaters than those with the letter A,—the Armour official award. Students with letter sweaters from other schools may wear the sweaters upon removing the letter. Mr. Carlstrom, president of the society, has emphasized this decision, because of an erroneous statement to the contrary in last week's *News*.

The annual Honor "A" Banquet has been arranged for December 7, after the alumni basketball game is over. The banquet will end with a theatre party instead of the usual after-dinner speeches.

During the meeting George Reed, E. E. '34 was pledged as a letterman in baseball. The society has another meeting scheduled for this week.

Armour Represented by Nash and Kelly

Last Thursday evening, Nov. 10, the Parent-Teacher Association of Maine Township High School of Des Plaines sponsored their annual "College Night". On this occasion, colleges and universities were given the opportunity to confer with a large number of prospective students and their parents. Prof. C. A. Nash and Mr. Ernest Kelly, represented Armour at this meeting.

A dinner was held at 6:30 and was followed by an interesting program. At 8 o'clock, everybody congregated in the school gym. Each school represented was provided a table at which its representatives were posted.

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Paddling

There are, at Armour, ten social and seven honorary fraternities besides several honor societies and professional fraternities; practically all of these organizations practice the "art" of paddling. However, this practice has lessened in popularity, and, although it will be a long time, if ever, before it dies out entirely, paddling is on a decided decrease. Many organizations have absolutely abolished all types of physical chastisement and others do not foster the practice to any extent except in the most flagrant cases.

It seems to us that the reason for this decrease of paddling has followed as a result of the introduction into high schools of a large number of organizations and clubs which are imitations of various college fraternities. Naturally, high school boys go to extremes in their societies and publicly cause acute embarrassment and privately extreme physical discomfort to their suffering subjects.

The students in high schools which have such organizations realize, by the time they enter college, that there are more refined types of torture to the pledges and pleasure for the actives. The pledges themselves usually got considerable pleasure from proposing (publicly) to a pretty girl and, after the first week, they also became more or less inured to the playful pats on certain sections of their anatomies.

Then, if this practice of indiscriminate paddling for reasons other than justified punishment dies out, there should be little, if any, use made of those sections of barrels which, after a little shaping, make such nice little play-things. By the time a man is old enough to enter college he should be able to realize that there are certain specified duties which fall to the novitiates. The pledges that preceded him had the same work to do, and he will expect it of the men that he will some day welcome into his fraternity. Realizing

"The Slipstick"

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

APPLIED TERMINOLOGY

Off times while pondering over juicy juice expressions we thought they would not be of any use in a Practical way. By heck, at last a use for them: they suggest a course of action when the gal doesn't conform to specifications.

If she comes to call.....RECEIVER
If she wants an escort.....CONDUCTOR
If she is a poor cook.....DISCHARGER
If she is slow in action.....ACCELERATOR
If she talks too long.....INTERRUPTER
If she is too fat.....REDUCER
If she holds narrow views.....AMPLIFIER
If she is too expensive.....CONDENSER
If she does you a service.....COMPENSATOR
If she fumes and spatters.....INSULATOR
If she wants to be an angel.....TRANSFORMER

Too Bad If He Had Flunked

First Monologue—"Why are you flitting around like you were crazy?"
Second Dialogue—"Whoops! I just passed my first screen test."

An optimist is a fellow who takes the cold under duress on his plans, looks it with enthusiasm to make steam, and pushes ahead any way.

Professor Scherger, in one of his history classes stated, "I woke up one morning about a year ago—"
The class laughed immediately, and a little later Professor Scherger joined them.

WEAKLY DUMBELL POEM

There was an old sculptor named Phidias
Who thought that all clothing was hideous
He sculpted Aphrodite
Without any nightie
Which startled the purely fastidious.

A HUMAN WHIRLWIND

"The storm burst upon us so suddenly that we had no warning of its approach," said the homely victim relating his experience to a friend. "In an instant, the house was demolished, and scattered to the four winds. Now I escaped being torn to pieces, I do not know! We—"

"O—good gracious!" exclaimed Mr. Marko, jumping to his feet, "that reminds me! I almost forgot to post a letter for my wife."

Engineering Problem No. 1

Problem—How could a man six feet tall keep warm with blankets only five feet long?

This momentous problem arose the other night when Fludge Lashchew tried to keep warm in a fraternity dormitory the first cold night he had ever slept there. Everyone is urged to find a solution, and send it to this man before he freezes to death.

First Joe—What is that pledge's name?
Second Joe—GALLEN.

First Joe—His name old man, not his capacity.

Dinner—Here, waiter, tell the orchestra to play CAR-MEN while I eat this breakfast.

Waiter—Yes, but why?

Dinner—I want to hear the torquador song; I feel like a bullfighter.

They never heard of that famous dishwasher.

Blacker—I scuttled many a good ship in my day, but I had to quit the game.

Jack: How come, matey?

Blacker: Pyorrhea, me friend. I couldn't build a knife in my teeth any longer.

ORIGIN OF HOUSEHOLD FINANCE

The original "home-loan bank" was the one that held the baby's pennies.

Frank—May I have the last dance with you?

Pedagore—You've already had it.

NBC—I read in the paper that science has discovered that singing warms the blood.

CBS—He must be right. I've heard singing that has made my blood boil.

COMING ATTRACTIONS

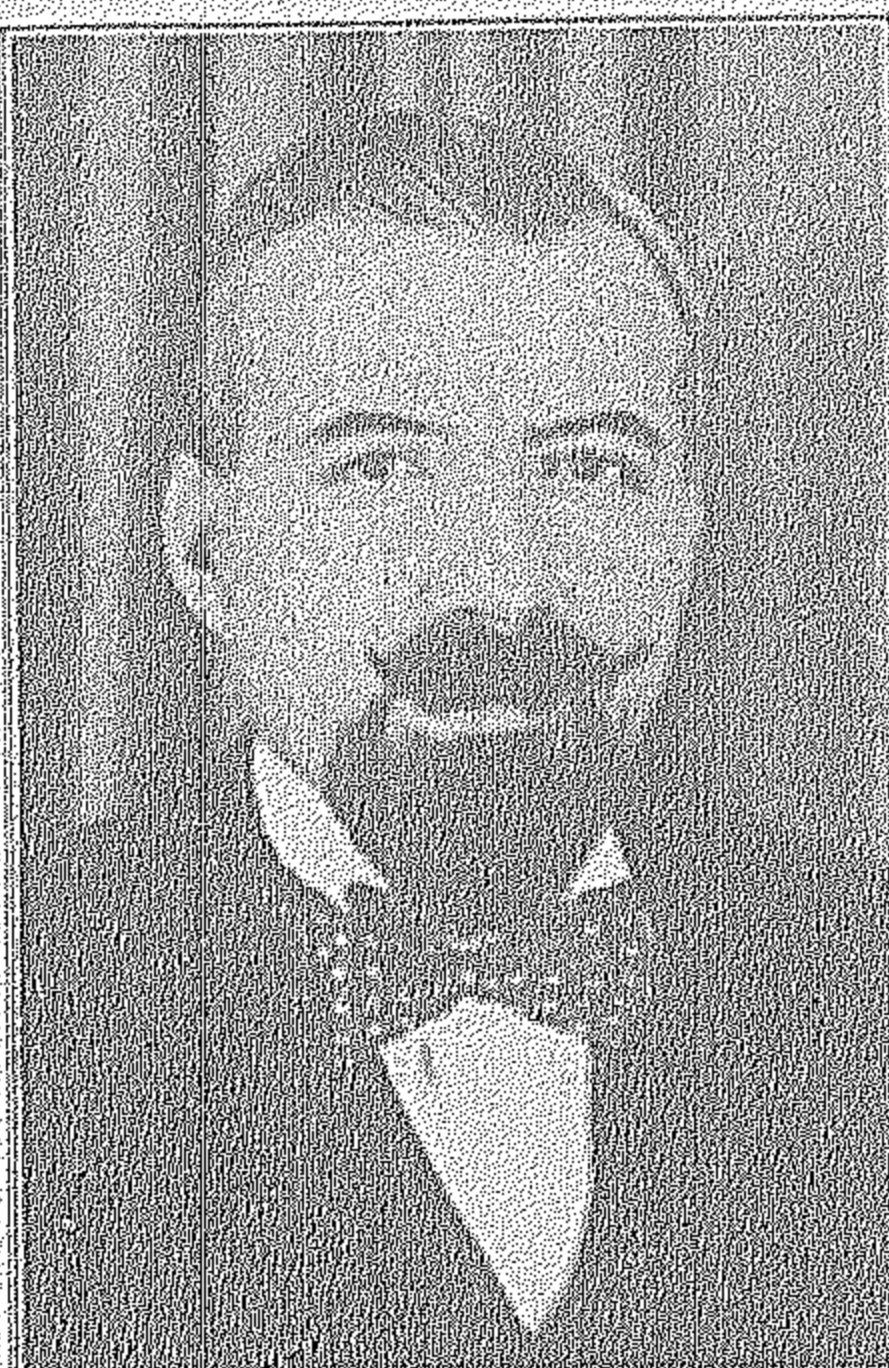
Just before going to press we received word from the producers that they have just released another chapter of FACULTY FEATURE FILMS. The second chapter of this great serial will appear next week at A. I. T. See elastic weight conquered, witness man's best friend turn into a fiendish demon. You'll thrill as a purpose is accomplished with infinitesimal. Don't fail to see this stupendous production which is dedicated to the interest of science.

SHWENNIGAN and the DEACON

this he should not rebel too much against the requirements and the tasks, assigned to him by the members.

Eventually, when a reasonable and justified balance is reached between the tasks and the punishments of pledgship, there will be a true understanding of the real ideal, the fundamental meaning, of the word, "Fraternity."

N. E. C.



Ernest K. Eugene

(A Biographical Sketch)
HAROLD W. A. DAVIDSON

Ernest K. Eugene, member of the faculty at Armour Institute of Technology, was born in Turkey, his parents having moved to that country from Greece.

In 1912, Mr. Eugene graduated from the University of Ghent, Belgium, receiving the degree of Engineer Diplomee which corresponds to our Bachelor of Science Degree in Engineering. He then returned to Turkey, becoming assistant engineer for the city of Constantinople.

After staying in Constantinople for two years, Mr. Eugene left his native country to continue his studies in the United States. He entered the University of Michigan, and in 1916 received his Bachelor of Civil Engineering Degree from that University.

Enters Engineering Practice

The first job held by Mr. Eugene after graduating from the University of Michigan, was that of transitman for the Wabash Railroad. He then became assistant engineer for the Great Northern Railroad, in charge of location and construction in northern Minnesota.

Railroad work was dropped for a short time when, in 1918, Mr. Eugene became engineer for the State Highway Department of Michigan. He worked on the Dixie Highway which was then being built in that state from the city of Flint, north. The following year he again returned to his former work as estimator of proposed new work for the Pierre Marquette Railroad.

In 1920, he became village engineer for Grosse Pointe, a suburb of Detroit, Michigan, and in this capacity had charge of extensive public improvements carried out by that municipality. The projects under his direction were many and varied. An 1800 foot reinforced concrete municipal pier was built into the St. Claire River, and a modern sewage disposal plant and water works were constructed under his direction.

Has Supervised Many Projects

As engineer for the Chicago Burlington and Quincy Railroad, Mr. Eugene had charge of numerous projects. He constructed the Soluda Reservoir in Galesburg, Illinois. The Beardtown washout project was also under his direction. Mr. Eugene also designed many railroad details which were adopted by that road as their standard of design. After five years Mr. Eugene resigned to enter private practice as an architectural engineer in Chicago.

In his private practice Mr. Eugene had many interesting projects under his supervision. The diversified work led from the construction of residential buildings and factories to churches and cemeteries.

The Collins Ice Cream factory located at Seventy-fourth and State streets designed by Mr. Eugene has won recognition both in this country and abroad as the most modern labor saving factory of its kind in the world. Another example of his work is the Saint Nicholas church, King's Highway and Forest Park, St. Louis, Missouri.

He is registered as structural engineer in Illinois, land surveyor in Cook County, civil engineer in Michigan, and professional civil engineer in Iowa.

Mr. Eugene came to Armour this year as instructor in railroad location and mechanics.

Movie Notes

For sheer timeliness, no other picture produced in Hollywood can compare with "Washington Merry Go Round," at the Tivoli and Uptown Theaters, and hailed as a sensational film expose, of what really happens behind the scenes in Washington political, social and diplomatic circles.

Marie Dressler and Polly Moran are making McVickers' Theater audiences laugh and roar in their latest fun riot, "Prosperity."

From the moment these two comedienne start battling over the married lives of their grown children until the dramatic sacrifice of the redoubtable Marie in the denouement of the plot, it moves like lightning, and laugh piles on laugh.

"Magic Night," latest starring vehicle of Jack Buchanan, and thus the international star will be seen upon the screen for the first time since "Monte Carlo" the Ernst Lubitsch effort.

"Magic Night" will introduce to Americans, England's new reigning cinema queen—Anna Neagle. This young woman has hit genuine heights in Europe and her charm is confidently expected to make her captivation of movie audiences world-wide when "Magic Night" is shown throughout America.

The story has to do with a young Austrian count who finds life extremely enjoyable until that day when the declaration of war cuts short his romance with a Viennese flower girl. War splits them as far apart as the two poles, but when war's devastation is at an end the new spirit brings about a reunion and happiness.

The Oriental stage show is headed by Ed Lowry, who was city of St. Louis' outstanding personality for three years, and Fanny Brice,

NOTICES

Wrestlers and boxers are invited to come out for practice on Mondays, Tuesdays, and Fridays at 4:30 p. m. in the gym.

Orchestra practice will be held in the Assembly Hall on Tuesday at 5 p. m.

Glee Club practice will be held Thursday evening at 5 o'clock in the Assembly Hall. The octet and quartet practice is held every Monday evening at five.

The Dramatic Club will meet on Wednesday.

The Chess Club will meet in the Campus Club rooms at 3 o'clock every Thursday.

A meeting of the Debating Club will take place Friday morning at 10:30 in Mission Hall.

Basketball practice is held every Tuesday, Wednesday and Thursday afternoon at 4:30 in the gym.

who was the big headliner of the best of Ziegfeld Follies. Ed Lowry is a comedian second to none—and he sings comedy songs and ballads like you've never heard them sung before. For six years Balaban & Katz have tried to get Lowry and finally have succeeded. Fanny Brice, who is the world's funniest comedienne and sob-songstress, is making her first appearance before a motion picture audience at movie prices.

Oscar Edwin Lindor, a fire protect, and a member of Theta Xi fraternity, died Oct. 19, 1932, after a long illness. Mr. Lindor attended Armour Institute from September 1924 to February 1926.

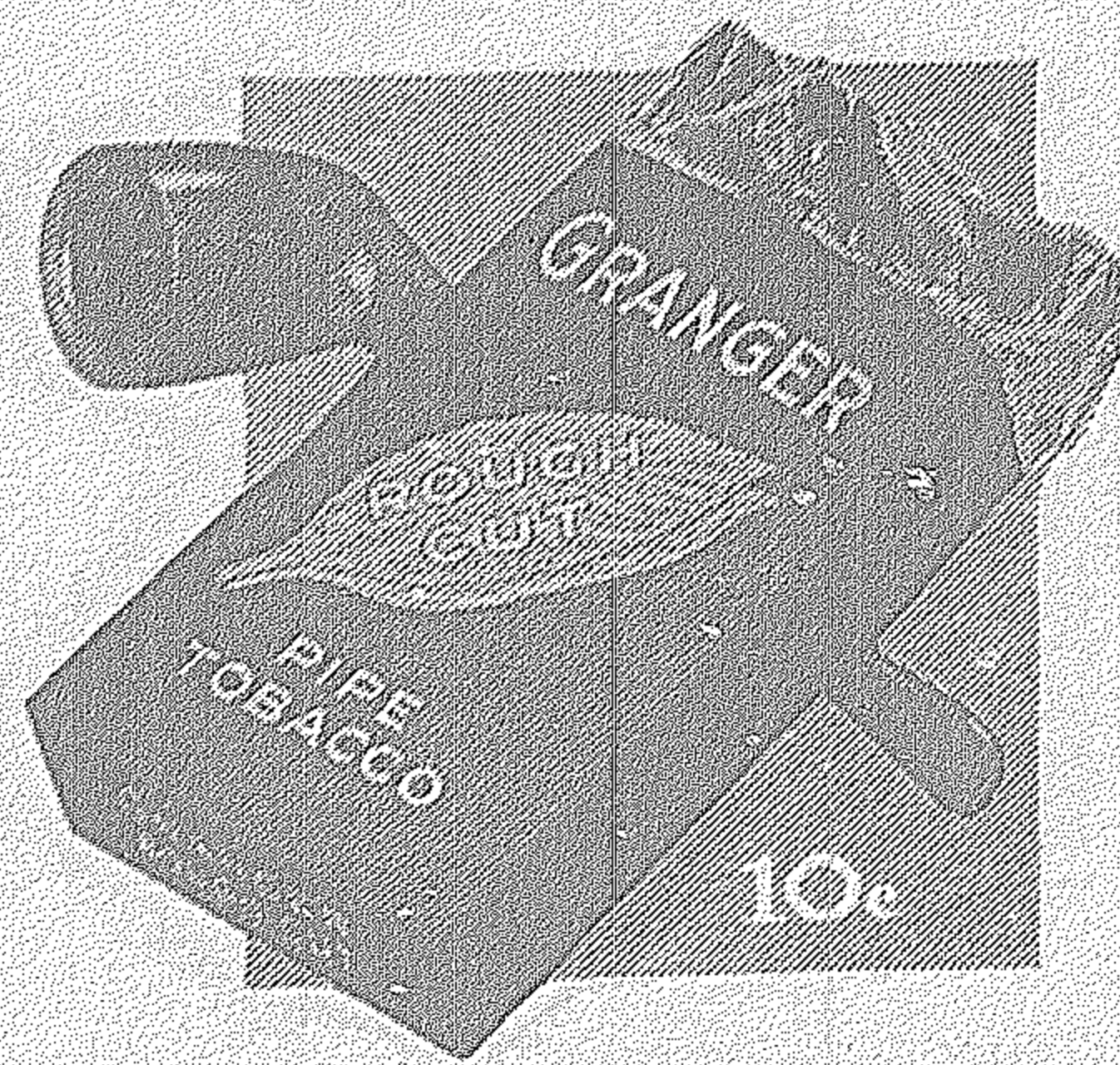
Something
for pipe smokers to
think about!

ABOUT 1864,
farmers began to grow White
Burley Tobacco. A few casks
were taken to the St. Louis
Fair in 1867 and sold for
58c a pound.

White Burley Tobacco is
used to make Granger. It
is the best pipe tobacco that
grows.

You will notice the difference as soon as you light
up your pipe of Granger. It
burns slower, smokes cooler
and never gums a pipe.

America's pipe tobacco



YOU CAN DEPEND ON A LIGGETT & MYERS PRODUCT

CIVIL ENGINEERING TREATED IN TALKS BY WELLS, HEALD

Civil Engineering was the subject of a broadcast of the Armour Tech radio programs over station WJJD, October 20 and 23. The Thursday address was given by Professor H. T. Heald and the Sunday evening lecture by Professor M. B. Wells, head of the Department of Civil Engineering.

The two lectures traced the history of civil engineering from prehistoric times down to the present.

Discuss Improvements

Accomplishments in the development and improvement in highway construction, railroad building, structural materials, drainage systems and dams, and water supply systems during the last two generations were discussed in detail.

The constantly increasing highway traffic, the higher speed in road travel and vastly heavier loads have presented problems in highway construction which have to be solved by civil engineers.

To meet this competition, railroads have increased their speed in passenger and freight transportation by extensive grade revision, curve reduction, improved roadbeds to carry heavier loads, and tunneling to cut down grade and distance,—all problems for the civil engineer.

Higher Structures Possible

Recent improvements in structural materials have led to the building of higher structures and longer bridges than would have been considered feasible before their development.

The civil engineer plays a prominent part in the development of air transportation. He lays out airports, designs drainage, surveys airways, plane lighting towers and other similar structures, and works out practical problems in aerodynamics and in the actual structural design of airplanes.

TRUSS CLUB DANCE

Social activities of the Truss Club began Saturday evening, November 5, when a bridge party and audio dance was held in the club rooms at 3423 S. Michigan Avenue.

The affair was well attended, and an enjoyable and sociable time was had by all present. Among the honor guests were Professor and Mrs. C. R. Swineford and Mr. and Mrs. George Taylor.

The Truss Club takes pleasure in announcing the pledging of R. W. Stahl, M. E., '34.

ARX NEWS

The ultimatum of the seniors in "Watch Out," and if you have been strolling by their sanctuaries lately, you have surely heard cries of "Hands off" or "hands on." Yes sir! They are all having their clocks fixed, for the project which is to be turned in this afternoon is the Emerson Prize, titled "A Monumental Clock."

And as the hour of judgment approaches, time hangs heavy on their hands.

Congratulations Juniors! John Benya and Ted Irion came through with first mentions on their R. K. O.'s in New York.

Seven first mentions of the "Sanitorium Cottage" project were sent on to New York. This is quite a number for the first class "B" problem, so evidently the jury was well satisfied.

Mr. Erickson, authority on hospital planning was the guest juror.

The freshmen this year seem to be pretty well controlled by Mr. Wagner, guard extraordinary. In fact they keep themselves in their room so much that the upper classmen feel that a conspiracy is afoot to prevent the training of niggers. Or else the department is playing safe by permitting the freshmen to make their own mistakes.

No!! Your Kolyum is not getting shorter and shorter but your ed is charretting longer and longer.

College Editors Hold Convention

BY ORVILLE T. BARNETT

The trip to the convention of the National Scholastic Press Association taken by Raymond E. Nelson, Jarl T. Sorensen, Edmond P. Lomasney, and myself proved to be of great benefit for the future issues of the News and the Engineer.

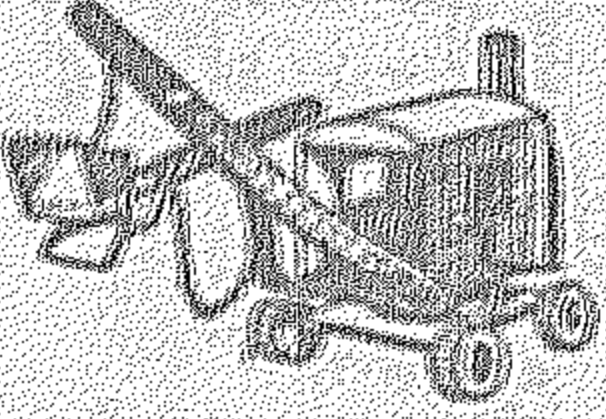
The first event on the program was registration of delegates which was followed in the afternoon by an inspection trip to the Champion Coated Paper Company's plant at Hamilton, Ohio. This plant is running at 95% capacity at the present time as a result of cost cutting through improved methods developed in their research laboratories.

Many Group Meetings Held

The following two days were spent in two general convocations and a number of group meetings. Professional writers in both the newspaper and magazine field addressed the representatives of the editorial staffs while the business managers were told of many new ideas by successful business managers in the publishing field.

The assembled delegates were addressed by Virgil Elmer, Sir Norman Angell, and Lowell Thomas on different subjects pertaining to work of the type with which the delegates were concerned. One of the Armour delegates was appointed on a committee to arrange a better college division of the N.S.P.A. This was a signal honor because of the fact that but six people are on this committee chosen from the large number present. Many of the new ideas gathered at the convention will be inserted in our publications from time to time in the hopes of ever improving the Armour publications, all of which belong to the N.S.P.A.

THE STEAM SHOVEL



ROY CARLSTROM cut his finger down at Underwriter's Laboratory the other day. When a Fire Protect gets caught once in a while.

Canine culture is being developed in Professor AMSEBAY'S general literature class. In fact the professor was so impressed by the new type of student that he proceeded to tell a story about dogs.

KEN REYNOLDS was so determined to throw something at HAROLD HOEBEL that in his excitement he upset his girl friend's plate and spilled coffee all over her dress. And now his face red!

BILL HENSEL was reprimanded by Mr. Erickson for acting as an eighth grader. Then the music director asked if this was a sample of the Armour student's behavior. Thanks, BILL.

MULLANE'S radiator cap was stolen, as the armour chemists came to the reason by substituting one.

Incidentally it consisted of a cork and about a yard of glass tubing bent in the form of a manometer, a spiral condenser, and a standard shaped apparatus.

Due to the number of contributions handed into the STEAM SHOVEL about NORMAN KRAUSE, his publicity among the junior chemists must be unsurpassed.

BILL PETERSEN and DICK FRIEDE are recognized as outstanding sophomores for their faultless imitations of the faculty.

The University of Pennsylvania has abolished all final examinations. We wonder how this system would be accepted by the professors at Armour.

Did you ever try to whistle on a pipette?

Parker Talks on National Defense

(Continued from page 1)

dians and exploring unmapped territory. The faithfulness and discretion used by Washington in all his undertakings warranted his promotion in the field of military endeavors until he became a colonel on the personal staff of General Braddock.

Being a member of the Continental Congress in 1775, Washington served on the military committee for planning national defense, and the policies set forth by him at that time are the basic principles involved in the present system of national defense.

General Parker continued by saying that only men of Washington's type, men whose personality and training had been acquired on the bitter fields of long adversity and suffering, were capable of creating our constitution and that these same types of men are necessary for the maintenance of a democracy such as that of the United States.

Regardless of the progress made in constructing a national defense system, it is evident that the needs have not as yet been satisfied and, as General Parker said, the development of the national defense will depend entirely upon the amount of appropriations voted by Congress.

Although sightless since the age of 9, a 24-year old New York University journalism student contemplates the publishing of a daily paper upon his graduation.

Fraternity Notes

PHI KAPPA SIGMA

The parents' reception and tea held at the chapter house last Sunday afternoon was well attended by the fathers and mothers of the actives and pledges.

The ping pong tournament is progressing nicely and in a short time the championship will be decided. Brothers Marow, Biegler, Walker, and Pledge Fogle are still in the running.

Brother Biegler has been added to the ranks of our disabled. He wrenched his ankle last week and now is hobbling around on crutches. Pledge Anderson suffered a similar misfortune a few weeks ago.

THETA XI

The Theta Xi Club of Chicago in conjunction with the Alumni of Alpha Gamma are to have a smoker at the Alpha Gamma chapter house on Friday evening, November 18.

Brother DeBolt dropped in for lunch last week. Brother Jones paid the house a visit, having returned from Pittsburgh for a few days.

BETA PSI

Next Friday evening is the night scheduled for the Thanksgiving dance at the house. Brother Wittkeindt has made arrangements for the orchestra and Brother Hahn has finally secured his date, so the dance is practically a success already.

Brother Langhammer '31 was married last Saturday. He and his bride

will reside in Indianapolis where Kenneth is employed with the Indiana Inspection Bureau.

RHO DELTA RHO

The Fall "pledge dance" was held last Saturday evening at the fraternity chapter house. A capacity crowd attended the affair and made it one which will long be remembered. A number of the old "grads" were present.

KAPPA DELTA EPSILON

The fraternity held a bridge party last Saturday night at the house. The affair was a success as there was a turnout of twenty couples. Card playing began at 8 p. m. and continued to 12 p. m. At this point refreshments were served.

The social chairman, Milt Hoffman has begun plans for the annual mid-term dinner-dance which will be held some time between Thanksgiving and Christmas.

TRIANGLE

It is now Hell week for three pledges, that period which precedes formal initiation. Pledges Carl Clanton, Robert Lyford, and Edward McDonough are in the midst of that week now which will reach its destination Sunday, November 20 at which time formal initiation will be executed.

Not much time was allowed for studying last week with active meeting Monday evening, Pi Tau Sigma smoker Tuesday, A. S. M. E. Wednesday, Chi Epsilon smoker Thursday with Triangle pledge meeting

Riflers to Compete With New York Team

A rifle team representing the New York Stock Exchange will furnish the competition for the Armour Tech Rifle Team this week in a "postal" match. A "postal" match is distinguished from a "shoulder to shoulder" match in that the competing teams shoot on their own ranges and exchange their scores by mail. Postal meets are convenient in circumstances where distances make it impossible for the opposing teams to shoot "shoulder to shoulder."

A.S.M.E. HOLDS SMOKER

The Armour Branch of the American Society of Mechanical Engineers held its smoker last Wednesday, November 9, in the Triangle Fraternity House. The participants, represented by a large percentage of seniors and juniors, enjoyed themselves by playing bridge and pool. The only setback was in the form of cakes, which were divided into such large pieces that the boys had to use their ingenuity in eating them. That difficulty, however, was soon overcome, for no one was heard complaining about the size of the portion he received.

at the same time. Brother Dick Anderson, Minnetonka chapter, is living with us while working in Chicago.

Basketball practice was started last week and plans are made for a practice game with the Delta next week.



THE SEA WOLF

"Nature in the Raw"—as portrayed by the noted artist, N. C. Wyeth... inspired by the infamous Captain Kidd's fierce raids on the gold-laden Spanish galleons (1696), which made him the scourge of the Spanish Main. "Nature in the Raw is Seldom Mild"—and raw tobaccos have no place in cigarettes.

No raw tobaccos in Luckies —that's why they're so mild



WE buy the finest, the very finest tobaccos in all the world—but that does not explain why folks everywhere regard Lucky Strike as the mildest cigarette. The fact is, we never overlook the truth that "Nature in the Raw is Seldom Mild"—so these fine tobaccos, after proper

aging and mellowing, are then given the benefit of that Lucky Strike purifying process, described by the words—"It's toasted". That's why folks in every city, town and hamlet say that Luckies are such mild cigarettes.

"It's toasted"
That package of mild Luckies

BASKETBALL MEN WILL BE COACHED BY OTTO KUEHN

(Continued from page 1)
certain that the team will have a successful year of competition.

Schedule Is Complete

With the addition of the University of Chicago team to the schedule, the list of competing squads is complete for the season. The tilt with the Midway team is dated for December 7, and will open the season for the Tech men on the opponent's floor. The first home game for the engineers is slated for December 13, the opponent being "Y" College. A large crowd of Armour rooters is expected to attend this game so come out and do your share.

Trackmen Train for Interclass Tourney

Track practice is progressing uniformly at Bartlett Gym with approximately thirty aspirants training during their open hours. The gym is open at all times and lockers are assigned when the students make applications at the University.

Regular practice is necessary to develop the "form" that is essential in track. Only the men showing interest and ability for track will be kept on the squad.

Track Invitations Sent

Invitations have been sent to the teams of various colleges but as yet a complete schedule has not been formed. The schedule will be announced in the near future.

The Interclass track meet is to be held on December 10. All of the candidates for the class teams should begin their training immediately at Bartlett Gym. The track lettersmen are limited to one event so that every Armour man has a good chance to score points for his class team.

Gold Medal Awards

The members of the winning class team who scored points will be awarded gold medals similar to those that were awarded to the interclass baseball and basketball victors.

Prospectus for the school team will have an opportunity to show their ability in the interclass meet and earn themselves places on the varsity track squad.

Cement Manufacture Shown to Chemicals

Cement making was the latest subject which was studied by the junior chemicals in their last inspection trip. They visited the Universal Portland Cement Company's plant, which is located outside of Indiana Harbor. This plant is the latest and largest cement manufacturing plant in the world.

Cement is made from limestone and slag. The limestone comes from the state of Michigan while the Gary steel mills furnish the slag. The limestone and slag are mixed together in rotary driers, which are heated by blasts of powdered coal. Here the moisture from the limestone, slag, and coal is driven off. When the mixture is perfectly dry, the stone is ground into a very fine powder in steel hammer mills. In order to crush the slag, a heavy rotating mill which contains a ton of steel balls is used. The amount of slag which is added to the limestone is determined by the analysis of the slag.

As these mills which crush the slag do not make a fine powder of it, the mixture of limestone and slag is passed into huge rotary crushers and driers. These driers are large enough for an automobile to pass through. This crushing and drying is final. At this point of the process gypsum is added to the mixture so that it will regulate the time of setting necessary for the cement. The amount of gypsum added is determined by the chemical composition of the substance. All the above processing is done in unit No. 1 of the plant.

The cement is loaded into bags with a capacity of 94 pounds by automatic machinery. The bags are made and repaired in the same building. The plant at present is running with a reduced personnel.

Matmen Primed for Tournament

This Friday, Nov. 18, will see the start of the preliminary bouts of the wrestling tournament. Due to the large number of entrants this year the wrestling and boxing tournaments will be held on different nights. The wrestling tournament will come first, with the boxing tournament later.

Coach Weissman expects both the tournaments to be the greatest in the history of Armour. In accord with custom, there will be no admission charge to see the bouts. Everyone is invited. The wrestling bouts will start immediately after the last class.

There is still time to enter either tournament by leaving your name and weight with Capt. Leo McDonald for entrance in the boxing squad or with Capt. Frank Talaber for entrance in the wrestling tournament. This is the last call for wrestling candidates.

Koko Chosen Manager

As a reward for his efforts already spent in behalf of the boxing squad, Frank T. Koko '34 has been chosen to fill the managerial position for the coming season. Koko was a member of the squad in his freshman year, and is the newly elected president of the class of '34. This along with his other activities should make him quite competent to fill the position.

Work is to be started at once on drawing up the schedule. This season will probably witness some more action with squads from Calver, Morton, and other college boxing squads. There will be no matches this year with some of the so-called semi-pro squads. This will give the Armour lads a better chance to show up in their own class. If plans go as expected the first intercollegiate bout will be just before Christmas.

GRIDIRON QUERIES

BY 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 given to the Sports Editor, H. F. Becker, 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 17. Is it possible for the center instead of centering the ball to the backfield to go directly through the line?

Answer. No. The ball is not in play until it is punted backward with one swift continuous motion. The ball must actually leave the hands of the center.

Question 18. May the center be shifted on a team which uses a shifting line?

Answer. Yes. However, if he carries the ball he must be five yards back of the line of scrimmage when ball is passed, or on the end of the line.

Question 19. What is the ruling if the offensive team fumbles the ball and it rolls across the goal line and is recovered by the offensive team?

Answer. If the offensive team fumbles the ball and it rolls across

the goal line of the defending team and is recovered by the offensive team, the play is called a touchdown for the team which recovered the ball.

If, on the other hand, the offensive team fumbles the ball and it rolls behind their own goal line and is recovered by them, the play is scored as a safety.

Question 20. What is the ruling on the same play as above if the ball is recovered by the defending team behind their own goal line?

Answer. In this case it is a touchback.

Question 21. How many times in succession can the receiving team demand another kickoff?

Answer. If the ball is kicked out of bounds the second time, the ball must go to the receiving team on their own forty yard line.

Question 27. How much of the ball must be over the line in order to make a first down?

Answer. If any fraction of the ball as it lies is over the line, first down is made.

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TECH SHORTS

BY H. F. BECKER

Due to ill health Coach Kraft has resigned as coach of the basketball team for this season, and these duties will be taken over by Otto Kuehn, a basketball official and former Armour player.

The final match in the golf tournament between Richards and Ahern is delayed by the cold blasts of winter. If mild weather should arrive, the match will be played off with Professor Leigh officiating.

George Ketcham, a junior civil, was injured while wrestling last Thursday. He was paralyzed because of a vertebrae displacement, and is recovering at the Mercy Hospital, where he was taken after the accident.

With the interclass track meet about three weeks away, the men of the cinder track are diligently practicing in preparation for the event, which will be held Dec. 10. This reminds us that the men who have been given suits and use them but little, should turn them in so that the candidates who have more time may use them.

John J. Schommer spoke at a University of Chicago alumni banquet held last Thursday night.

At the student assembly last Friday medals were awarded to the members of the freshman baseball team and the sophomore basketball team for their part on the victorious interclass teams.

One of the freshmen was so absent-minded as to answer, "Hero!" when Schommer called out his name while making the awards.

Recommended by the English Department of
Armour Institute of Technology

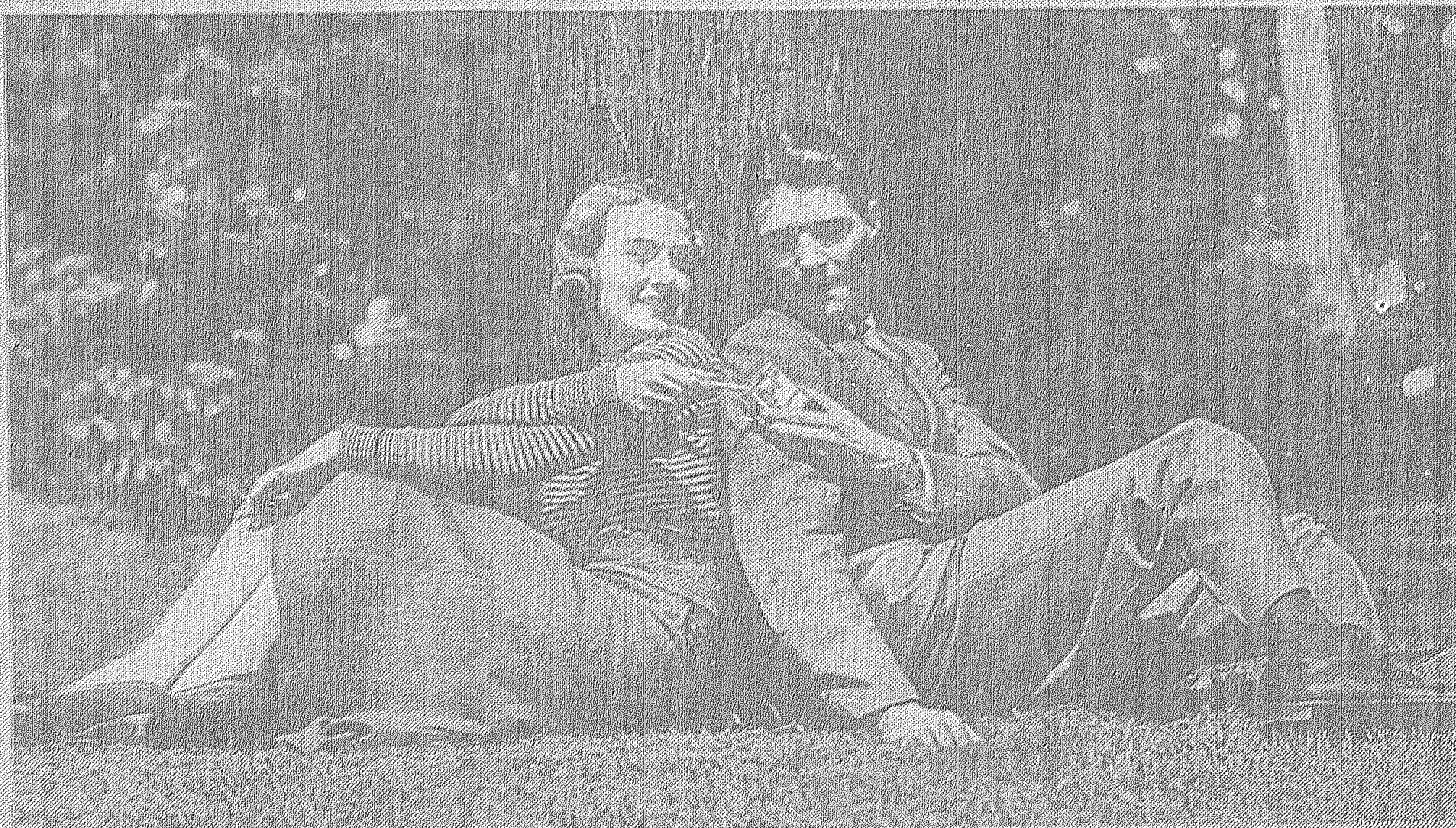
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