

'Units' Subject of Grad Talk

Speaking before a group of graduate and undergraduate students on the most fundamental and yet most mystifying problem of physics, "Units and Dimensions," Dr. James S. Thompson delivered another of the series of graduate lectures last Friday. He dealt primarily with the different concepts of mass, force, and time.

Professor Thompson first emphasized the fact that science is concerned primarily with three things: performance of a sequence of operations, measurement by means of these operations, and calculation on the basis of the information thus obtained. A specific measurement, for example, will have meaning only when the sequence of operations made to obtain it has been taken into consideration. In atomic physics, where an electron cannot be weighed on a balance, the importance of this operational view comes to the foreground. Thus, when we say an electron has a mass K , we mean that the number K is the result of a certain sequence of laboratory operations followed by calculations. Since different individuals tend to use different methods in obtaining the mass of the same electron, the operations performed must be known in order for the number to have any meaning whatever.

Lorentz Contraction

Units of time and distance, as well as mass, have meaning only with respect to the operations performed to obtain them. Because of the Lorentz contraction, a yard may appear to be one yard long to one observer and one inch long to another.

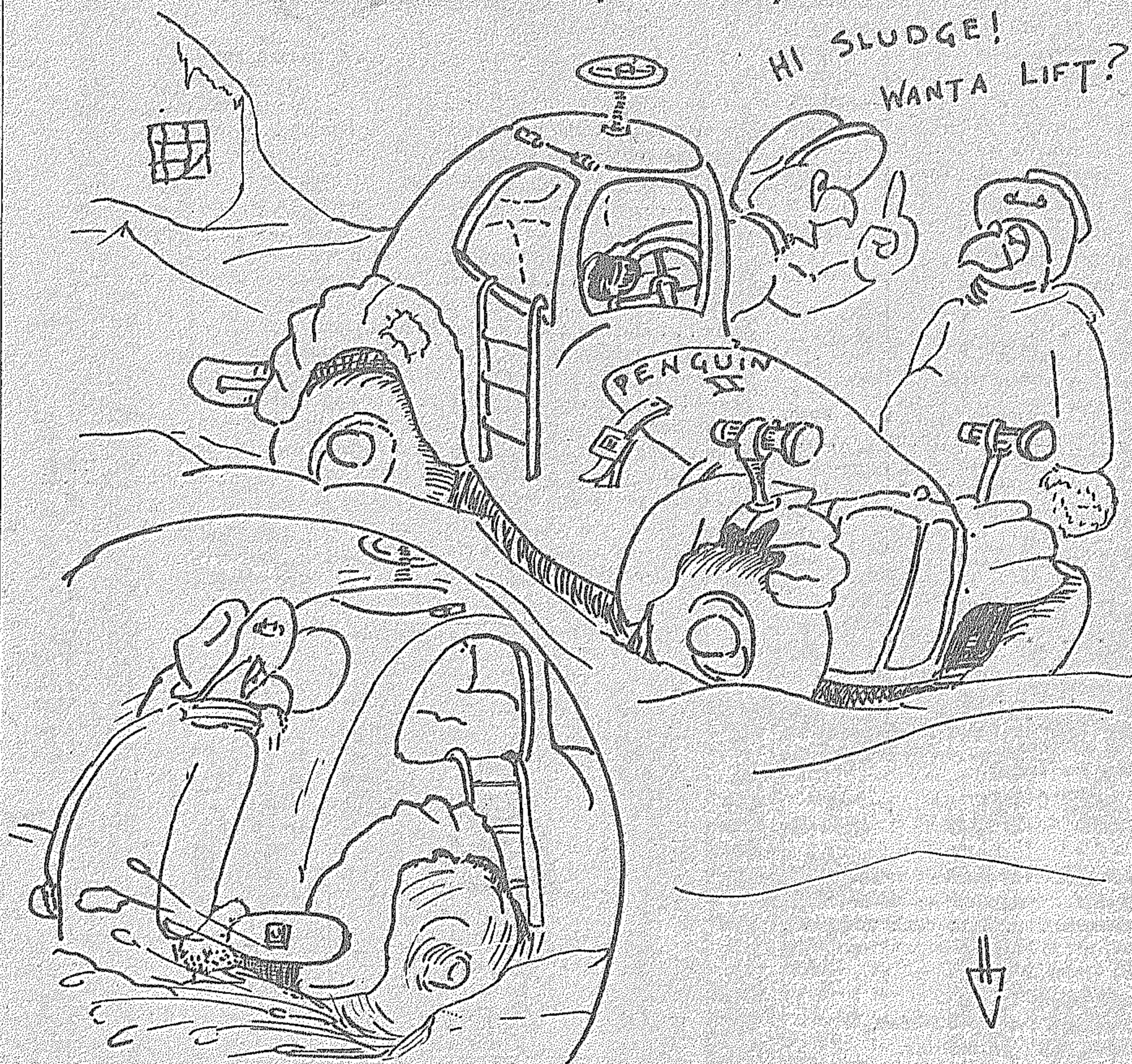
Most physics books, at the present time, begin by defining mass merely as "quantity of matter." Since the meaning of matter is as vague as the meaning of mass, nothing is accomplished by this definition. The problem of today's scientist is to correctly define the word "mass" since the latter definition is confusing to the student.

Measurements Difficult

Concepts must always be re-defined according to whether one is working in the small, as with electrons, or in the large, as with astronomical magnitudes. Obviously one cannot use calipers and Johannason gauges for measuring the diameter of an electron, neither can one measure the distance from the earth to the sun with a tape measure.

Scientists first became interested in the work of trying to correctly define units and dimensions when Poincaré, the leading mathematician of his time, said that the approach in dealing with such concepts as mass, force, and time was unsatisfactory. Shortly thereafter, Albert Einstein developed the theory of relativity, clarifying the meaning of units and dimensions as perhaps no other has done before.

The Armour Co-operative System



Coops To Work As Far As Ohio

The addition of the Cincinnati Milling Machine Company to the list of companies co-operating with Armour in the co-op course was announced late last week by the co-op office. Thus far companies located only as far away as Peoria, Aurora, Elgin, Hammond, Joliet, or Harvey have been connected with the Armour co-ops. The inclusion of the Cincinnati Milling Machine Co. marks a real achievement. But further than that, until recently the company has been a stronghold of the University of Cincinnati (originator of Co-operative education) which has forty students employed by this company alone.

The two boys who will begin their course in February are Stanley Tolbert of LaGrange and John McDonald of Chicago. They will remain in Cincinnati during the work periods and return to Chicago for the school terms, alternating in this manner for five years.

Time and Motion Study Speaker Talk For S.A.M. Meeting

"Time and Motion Study" was the subject of the lecture presented Friday to the meeting of the Society for the Advancement of Management, by Harold Steele, time and motion expert of the Belden Manufacturing Company.

The lecture was divided into two parts. In the first, he talked of the need for time and motion, and method study. After this general talk, he discussed some of the technical aspects of the work, such as rate setting, method analysis, personnel and employee relations, etc. The second part of the lecture was an actual time and motion analysis of a step in manufacturing practice.

Costs Must Be Watched

In modern competitive industry, prices may not be set by a company independently, but the price is governed primarily by the lowest price prevailing among the important competing companies. Frequently, the margin of profit is only a few percent, so that if costs are not constantly watched and supervised, profits may easily be wiped out. Perhaps the most fluctuating of the cost elements is the expense for material, so that the more easily controlled elements such as labor costs and manufacturing expenses must be reduced in order that a profit may always exist.

Wages Increase

For a long time it was thought that to reduce labor costs, the wage of the laborer should be cut to a minimum. Suddenly Taylor, the pioneer in the field of time and motion study, proposed that by carefully studying each step in production and by setting a rate for average work, the wage of a laborer could be increased but the unit cost of the operation reduced. The incentive for increased efficiency was given in the form of bonuses for production above the average level. The wisdom of his proposal is now universally accepted.

To effectively apply the results of either time and motion or methods study, three things must be done. First, materials, tools, machines, etc. must be changed and standardized, next, a time study must be made so that a standard rate may be set up so as to guarantee an adequate wage, and lastly, the individual operators must be trained in the new method.

Archs To Hear Expert on Color

Seniors, graduate students, and faculty members are invited to a meeting held by the Illinois Society of Architects tonight at 7:30 P.M. at the Art Institute. Featured at this meeting will be an illustrated lecture on "Color, Its Measurement and Specifications", as they may be of interest to the architect. The lecture will be given by Dr. Isay A. Balinkin, who is a professor of Physics at the University of Cincinnati.

Color Measurement Difficult

Colors in their application to exterior and interior design must be so specified and matched that they serve the purpose of the design and are appealing to the eye. By various combinations of colors, the fine points of the structure are brought out. This matching of colors is not only determined by the kind of color shade, but also by the intensity of that particular shade. The measurement of intensity of colors has long been a problem to the architect, as well as an advance study to the physicist.

Offer Courses For Listeners

Following many requests to the Dean's office for listening courses in next semester's curriculum, Dean Tibbals has made an official statement that such courses will be offered.

Those enrolling in such courses as a listener will not be expected to do homework or take a final. However, there are a few rules which must be followed. It is not considered fair to the rest of the class or to the professor to cut such classes; also, if the class is already filled with students of whom the course is required, the listeners will have to take advantage of this plan at some other time.

This new system is being tried this semester in an attempt to make it possible for students who have full programs to take some subjects outside their major field. Previously, it has been impossible to simply listen to the lectures in a course without spending the time on problems. Of course, no credit can be allowed for these listening courses.

Announce Freshman Scholarship Winners; Four Are Chicago Men

Jewelry For Class of '40 Features Original Design

In order to insure complete satisfaction for dignified and distinctive memories of college years, the senior keys will possess an entirely original design this year. The design selected by the committee is now on display in the bookstore. Due to increases in material and labor costs, prices are substantially higher than last year.

An entirely original design was created for this year's jewelry and new dies are to be constructed in the next few weeks by the Josten Jewelry company, of Minneapolis. Seniors will have a wide choice of three weights of rings and four different jewels. The keys will be available in only one style. All keys and rings will have the same finish with the contrasting design.

Choice of Three Rings

Solid gold keys will be priced at \$8.50, while the solid gold (eight penny) ring will be priced at \$15.95. A 6½ carat ring will be sold for \$14.85, and a special "duratone" ring will be supplied for \$12.85. The above ring is especially reinforced by an alloy at strategic points and is considered more durable while retaining exactly the same appearance as the solid gold ring.

Ring prices do not include the cost of the stones of which the purchaser may choose amethysts at 90 cents, rubies at \$1.90, garnets at \$4.95 or sapphires at \$2.90.

Orders for jewelry will be accepted during the third or fourth week of February at which time the dies will be completed. From then on, orders will be taken periodically in groups. In this way seniors will be able to wear their jewelry a few weeks after placing their orders.

Graduate Division Registration Days Set For Feb. 1, 2

Registration for new graduate students in evening classes is arranged for Thursday and Friday, February 1 and 2. Pre-registration at an earlier date is encouraged by the faculty.

Graduate work for the ensuing semester has been expanded in all divisions. Courses are open to students seeking either the degree of Master of Science or of Doctor of Philosophy and to qualified students who merely desire additional scientific or professional information.

New Courses Offered

Among the courses to be presented this term are Instrumentation and Process Control with Professor Harry McCormack and special guest lecturers; Diesel Engineering by Professor Daniel Roesch; Analytical Mechanics, Dr. Michael Sadowsky; and Manufacturing Problems, Professor Henry P. Dutton.

Professor Karl Menger of the University of Notre Dame will continue his presentation of fortnightly lectures on Saturdays from 10:00 a.m. to 1:00 p.m. on Special Concepts in Mathematics.

Three Year Course

All students registering in the Evening Division are required to pay a registration fee of \$2.50 for each of two semesters of registration. Enrollment of students working toward degrees is expected to increase this semester, and additional classrooms are being made available. The general requirement for the degree of Master of Science in Chemical, Civil, Electrical, or Mechanical Engineering is thirty-two semester hours of graduate credit which may be completed through an evening program extended over three years.

Fifty-Six Candidates Take Examinations

Five high school graduates of February, 1940—four from Chicago secondary schools and one from Oak Park High School—have been awarded freshman scholarships to Armour Institute of Technology in the semi-annual freshman scholarship competition under the direction of President H. T. Heald, according to announcement made today by Professor Stanton E. Winston, Chairman of the Committee on Scholarships. The awards, and the high school attended by each winner are as follows:

Ralph H. Amstutz, 726 S. Euclid Ave., Oak Park, Ill., from Oak Park High School; George Doland, 4335 Roscoe Street, from Schurz; Robert Stewart Kirk, 1717 Rosehill Drive, from Senn High; Robert B. Lees, 6818 Lakewood, from Sullivan High; Earl Ralph Mills Jr., 5720 S. Spaulding, from Tilden.

Complex Rating

Fifty-six candidates took the four-hour exam at the institute on January 6th. The scholarship awards which provide free tuition (\$300) for the academic year 1940-1941, were based upon a rating determined by competitive examination and by the consideration of the personality, high school scholastic record, extra-curricular activities, and general all around fitness of the candidate.

Ralph H. Amstutz, honor man at Oak Park, has been active in extra-curricular activities, winning a letter both in lightweight and varsity football, in addition to being a member of the track, tennis, and debating teams. He has selected mechanical engineering as his profession and plans to enter Armour this February.

George Doland has maintained an excellent scholastic standing at Schurz, excelling in science and mathematics. He plans to enter Armour Institute in February to pursue an electrical engineering curriculum.

Activities of Winners

Robert B. Lees, of Sullivan's February class of 1940, has attained a captain's commission in the R.O.T.C., vice-presidency of the Alpha Honor Society, and has maintained an active interest in oratory and debating. Chemical engineering has been selected as his particular field of study. He plans to enter the Institute in February.

To Robert Stewart Kirk the winning of scholastic honors comes as a matter of course. He is a member of the National Honor Society and has won an Oberlin Honor Certificate and a Weimar-Jena Summer Scholarship. He has been active on the fencing, swimming and chess teams of Senn. Planning to enter Armour in February, he has selected chemical engineering as his profession.

Earl Ralph Mills Jr., is president (Continued on page four)

Soph Nominated To Freshman Office

Friday, January 19, the sophomores turned out to swell the ranks of the freshmen at the freshman class meeting. The sophs had the situation well in hand until their presence was detected. The climax came when a quick witted freshman realized that a sophomore had been nominated as freshman representative on the A.T.S.A. The election finally came through, and a run off will take place soon.

Candidates for the office of president are Bill Lease and Clarence McDonald. Jack Schoenwald and Hugh Story will vie for the office of vice-president, while Elly Von Mueller and Anthony Noonan will run for secretary. Joe Maloney and Frank Havlik are candidates for treasurer. For the A.T.S.A. representative are four men: Rocco DeStefano, Charles Peller, Gerald Golden and Wesley Winborne.

Stoopbrain Sees Effects of Cramming Contemplates Suicide To Escape Finals!

Deer Sally,
Az Professor Flatonbottom wonce sed in adressing a body (ded az usual) of noted (the finanze company sends them notes every month) elektrikal seyentists, quote: The dimmer the porch lite, the grater the scandle power, unquote.

Br-r-r-r-r, it was cold around hear laste weak, and it still iz cold. Around 90 below, or wuz that in Siberia. Wel, anyhow it wuz so cold that wen I lit a match, the tip of the flame froze. But worse than that, the heat from the match kept melting thiz ice, and putting the flame owt.

Students "Exam-Blotto"

Wel, the mane knews of the weak iz the exams, witch are going on rite now. And oh, the site surrounding me now, az I sit in the skool library. It iz terrible! Next tew me, a fellow sits, studying. Hiz face iz haggard, and tears well in hiz eyes. He evidently juste flunked hiz forth quiz in a row. Across the table another fellow haz his hand near hiz hed, holding a pistol wich iz pointed tew hiz

temple. I am contemplating: should I tel him the gun isn't cocked, or not? Wel, I gess I will. Why should he suffer anymore? Maybe I'll borrow the gun, myself. Another fellow iz muttering "Hi-Yo Silver" az he fixes a pony. Poor guy, he iz on hiz laste rowndup thiz year, and doesn't no it. A guy behind me holds hiz hand over hiz forched, gazes at the elektrik lite overhed and cries: "One pound of hydrogen combines withe nine lbs of oxygen, no wate. Two lbs of oxygen combines withe three lbs of . . . what the h - - - does it combine withe . . ." Still another fellow wu arguying withe a professor. "aw, gee, prof., what if I only did hand in juste too reports. Yew only required foreteen. I meant tew get them in. Look, if yewll pass me I'll get them in next semester, for shure . . . No? Aw, pleeze . . ." And so it goes, sweet mountain flour. Az fore me. Wel, I might az wel not mention it.

Gruesome Interviews

Things owr looking faveily bright fore the senyors, az far az prospects (Continued on page four)

Armour Tech News

Student Publication of the
ARMOUR INSTITUTE OF TECHNOLOGY
3300 Federal St.
CHICAGO, ILLINOIS
Published Weekly During the College Year
REPRESENTED FOR NATIONAL ADVERTISING BY
National Advertising Service, Inc.
College Publishers Representative
420 MADISON AVE. NEW YORK, N. Y.
CHICAGO • DOSTON • LOS ANGELES • SAN FRANCISCO

“Entered as second class matter December 8, 1937, at
the post office at Chicago, Illinois, under the Act of March
3, 1879.”
\$2.00 Per Year Single Copies, 10 Cents Each

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Vol. XXIV. JANUARY 23, 1940 No. 14

The Height of Something

Some time last week, probably on Friday, some bright boy decided that one of the ping-pong tables in 2E of the Union was a comfortable resting place for his tired frame. So, without further thought on the subject, he proceeded to recline thereon. Result—well, boys, take a look for yourself. The damage stands as a perfect monument to one of those socially unacclimated individuals who run about the earth trying to imitate human beings.

People of this class are also the ones who take some sharp instrument and bite their initials and intellectual effluent on the tops of the tables in the lunch room. Such pride in appearances must indeed be congratulated. Just think to what pains such dim bulbs must have to go to give birth to such brilliant ideas in interior decoration. NUTS!

Safety in the Shops

One of the axioms of training procedures is to “catch ‘em young” before the pupil has had the opportunity to learn to do a thing the wrong way. This eliminates the difficulties of overcoming firmly established habits and permits of a better approach to the subject in hand. Particular application of this axiom could and should be made in our shops in the matter of safe handling of the power tools and other machine equipment. As it is now there is very little attention paid to this matter of safety.

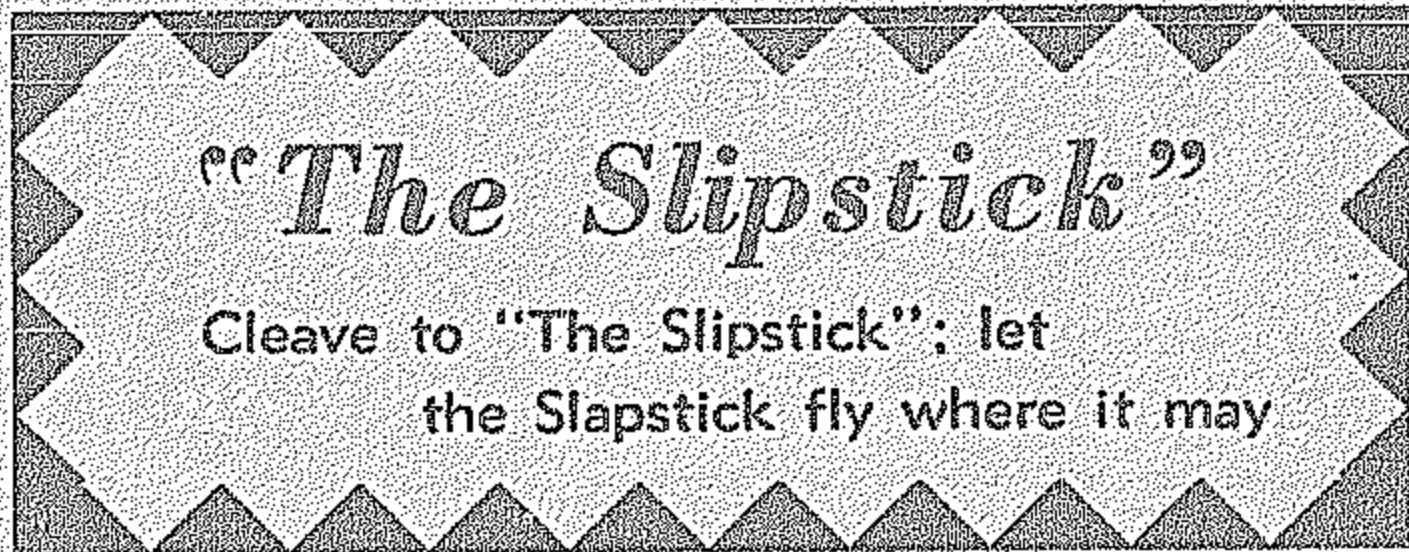
The first step which should be taken in showing the students how safe methods can be used should be to repair some of the dangerous machines, so that they can be used with safety. Choice examples of this are the grinding wheel, without a tool rest, which sets in the welding shop, the absence of belt shifters, lack of goggles for grinding, and poor tables in the welding shop. So far no one has been unfortunate enough to get caught in the whirling dervish wheel, but that is no assurance that no one ever will. The absence of goggles for use while grinding is in open violation of standard practice in almost any commercial machine shop, while shifting belts by hand is admittedly a foolhardy operation anywhere.

All these things can be corrected without too much effort if it is spent in the right places. We feel that there is no valid reason why this can not be done, starting right now. Safety is a recognized factor in the training of all engineers, and there is no better place to learn safety than right here while we are getting the rest of our education.

Dirty Windows

Last week we brought out the question of why some of the windows are so dirty. We found several reasons for it, and we present them to you.

Chapin Hall is in the worst condition in this respect, but is by no means in a class by itself. However, this can not properly be blamed on the janitorial staff. How can they be expected to wash windows when there are no safety hooks for them to use? The reason given for there being no hooks is that the window frames are so old that the wood will not stand the weight of a man's body on a hook, so they would accomplish no purpose. With the example of a previous accident to look to, we can't blame the men for being unwilling to risk their necks. This situation leaves us in a bit of a quandry, and still with dirty windows.



Now, let's see, if I get a D in 'mmm and a C in 'fiz, the D in lab will make me get 96's in both Ec' and Comp, if I still want a 100.00- average. And if I don't get them, here I come P. . . . Oh excuse me, you little crammers, I was just sort of day-dreaming. These gosh blessed exams make one think funny things. Yes—sir, Armour was a swell place, wasn't it? But oh well, what the h - - -, let's try and smile at the jokes today, will you? 96's

OH MIN'S DAD: "Well, son, how are your marks?"
OH MIN: "They're under water."
DAD: "What do you mean under water?"
OH MIN: "Below 'C' level."

The sun trickled lightly through cypress leaves into the crystal pool. Odysseus awoke, wiped the salt water from his eyes, and peered cautiously around the bush. There in the speckled light, stooped Narcissus, her little body bending to and fro as she dipped her linens into the limped waters. Her rosy figure was like a nude Aphrodite, chiseled in pink marble. For some minutes The Wanderer sat spellbound, his eyes riveted to the swaying body. Then he loosed his tongue, for he could no longer hold his peace.

"God!" he hissed, "double-jointed."

"Here's where I cut a good figure," said the college girl, as she sat on a broken bottle.

I let him kiss me once,
I let him kiss me twice;
I know that I done wrong—
But o, My Gawd he smelled so nice!

And then there's the one about the two roosters that got caught out in the rain. One of them made a dash under the barn and the other made a duck under the shed.

Entries in my diary:
January 15—Got an airgun for my birthday.
January 16—Snowing. Can't go hunting.
January 17—Still snowing. Can't go hunting.
January 18—Still snowing. Shot the prof.

Milt Pleva—"I like your form."
Girl-friend—"Must we go all over that again."

Willie on the railroad track—
The engine gave a squeal.
The engineer just took a spade
And scraped him off the wheel.

Two students of the Oh Dammit Joe fraternity, were passing a residence where one of the occupants has forgotten to lower the shade.
"That girl's not a bit shy, is she?"
"Well—not exactly—but she certainly is retiring."

SOCIAL SERVICE REPORT

Milk needed for the baby and father is unable to provide it.
Couple has been completely stripped. Now barely able to get along.
Man aggressive—has nine children.
Applicant's wife is making little garments through the kindness of a neighbor.
Applicant took job as janitor in home for working girls—lasted three weeks.
Woman has no job to be mentioned.

Jughaid: "Whenever I stand up to make a speech, I don't know what to do with my hands."
She: "Are you making a speech now?"

Prof: "What is geometry?"
Stude: "The little acorn grew and grew, and one day woke up and said, 'Ge-om-etry'."

The lady of the house suspected that one of her two sons was paying attention to the maid. Anxious to find out which one, she said to the girl:
"Ethel, supposing you had the opportunity of going to the movies with one of my sons, which one would you prefer?"
"Well," replied Ethel, "It's hard to say, for I've had grand times with the both of them, but for a real rollicking spree, give me the master!"

She—"I don't neck."
Michalek—"May I press you for particulars?"

"Did you know, dear, that that tunnel we just passed through was two miles long and cost \$12,000,000?" asked the young man of his sweetheart.
"Oh really?" she replied, as she started to rearrange her disheveled hair. "Well, it was worth it, wasn't it?"

Gentlemen prefer blondes because where there's light there's heat.

And then one day she turned and saw that he was smiling at her! She smiled back at him! No, he didn't turn away, he didn't disappear—he looked at her more intently than before!

"Smile like that again," he said.
She blushed and dimpled. And he laughed and laughed.

"Just as I thought," he said. "You look like a chip-munk."

OH MIN.

Arx News

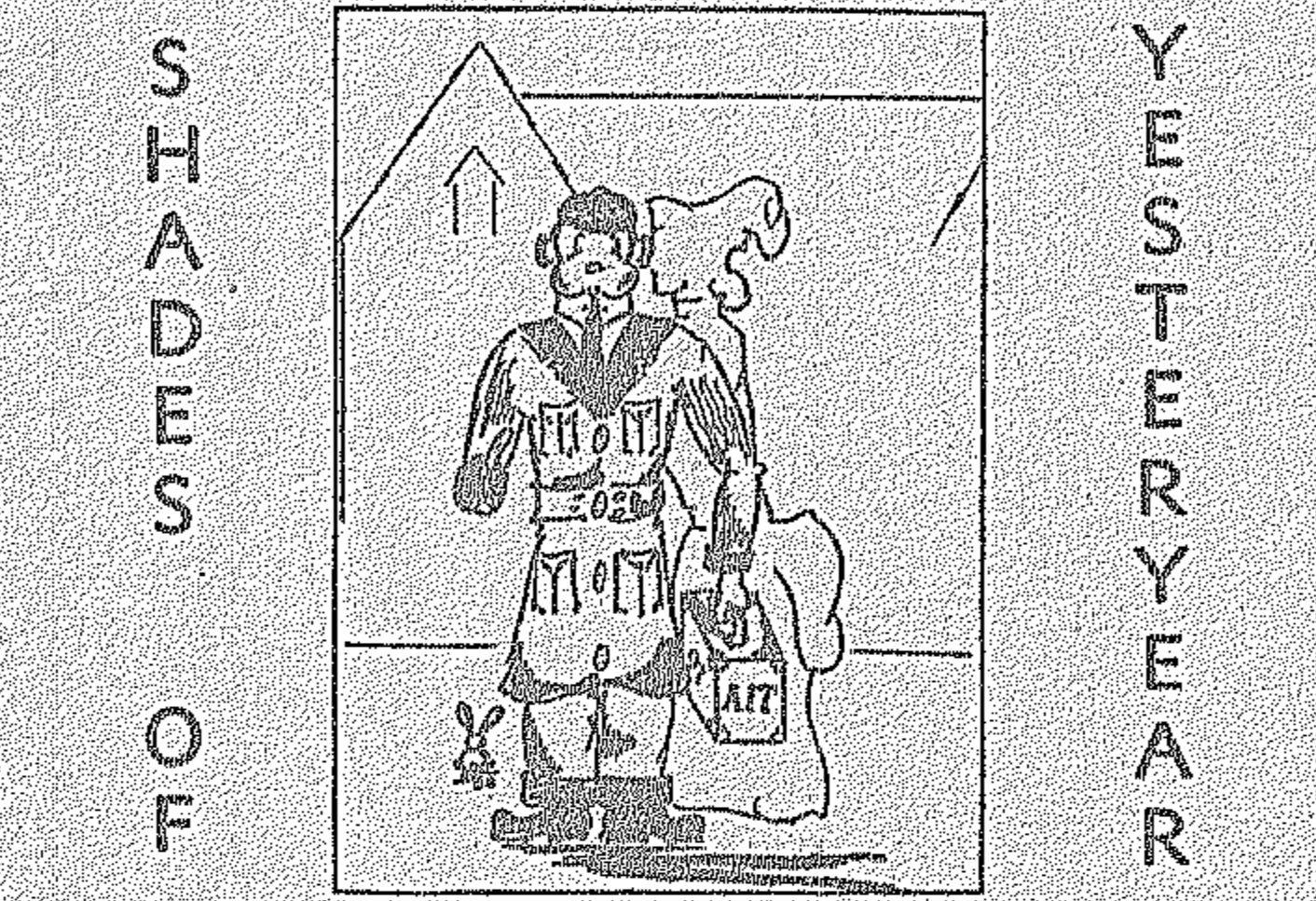
Greetings drafters, they have us hanging from the rafters . . . with plates due, exams, and the cold weather you will be left with nothing but your tubes filled with bronchitis microbes and your heart filled with homicidal tendencies . . . in fact it looks like all is lost . . . save Salzman and we're still trying to lose him. Speaking of the little angel he with Reinke after constructing that brick pile supreme will be referred to as the "Master Builders" . . . the sophs "Rafter Drafters" changed to "Drafters of the Drafty Rafters."

There is still some attraction in the freshman room, Ossie making frequent trips down there . . . his competition is furnished by Chuck Wright . . . Howe ducking up and down the halls, hiding under boards . . . won't some-one tell her to stop following him? . . . pipes we like, smoke we like, but pipes issuing such obnoxious fumes . . . ugh! . . . now no Arx owns such a pipe, or does he?

The M. and E. class constantly filled with little men who aren't there . . . Nancy with some good ideas at the Architects Ball . . . Dodge conspicuously absent at the same . . . Hutton, Horton, and Mandel slowly going mad building a miniature city, and I do mean miniature . . . The sudden decrease in the sale of long underwear since Stowells appearance at the Ball . . . The soph "glee Club" led by Solye, Michaelson, Ossie, etc. giving hot renditions from a song sheet . . . Pehta as "god Awful", awful knees . . . Center taking pictures, here, there, everywhere . . . Mr. Griffs pantomime lecture.

And so we end the semester, and as Confucious once say "Him who pass exam on sloping arm of chair, him not do it on level."

SPECS.



On October 1st, 1918, students of Armour assembled on Ogden Field and got ready to go to war in case they were needed. The oath of induction was administered by Capt. V. E. Kannally. Some Fort Sheridan men were made sergeants and placed in charge of houses on Michigan Ave, which were used for barracks. Luckily, it was late in the war and many of the men weren't used.

At the same time there was a Naval-training unit at Armour. On October 10 the men went into barracks in a house which had belonged to Delta Tau Delta fraternity.

Fierce lessons
L ate hours
U nexpected callers
N othing prepared
K nocked standing.
—Cycle, 1919.

Ain't it the truth!

George S. Allison has been associated with Armour for about 37 years. In 1910 he was registrar. He was assistant treasurer in 1918. 1920 saw him comptroller and secretary and in 1927 he was comptroller. At the present time he is treasurer.

A club known as the Athenian club was formed in February, 1925. There was nothing special about the club; it was more or less on the order of fraternities, to promote mutual friendship and interests.

In 1926-27 Armour got beat by Notre Dame in basketball. The score was 53 to 19.

However, in 1926 Armour beat Northwestern. Who is this Northwestern?

Revenge on Notre Dame. In 1926 Armour's golf team beat the "fighting Irish."

All those who pass their yearly tests
Are lucky they're not dumber,
For those who flunk still know no rest,
They go to school all summer.

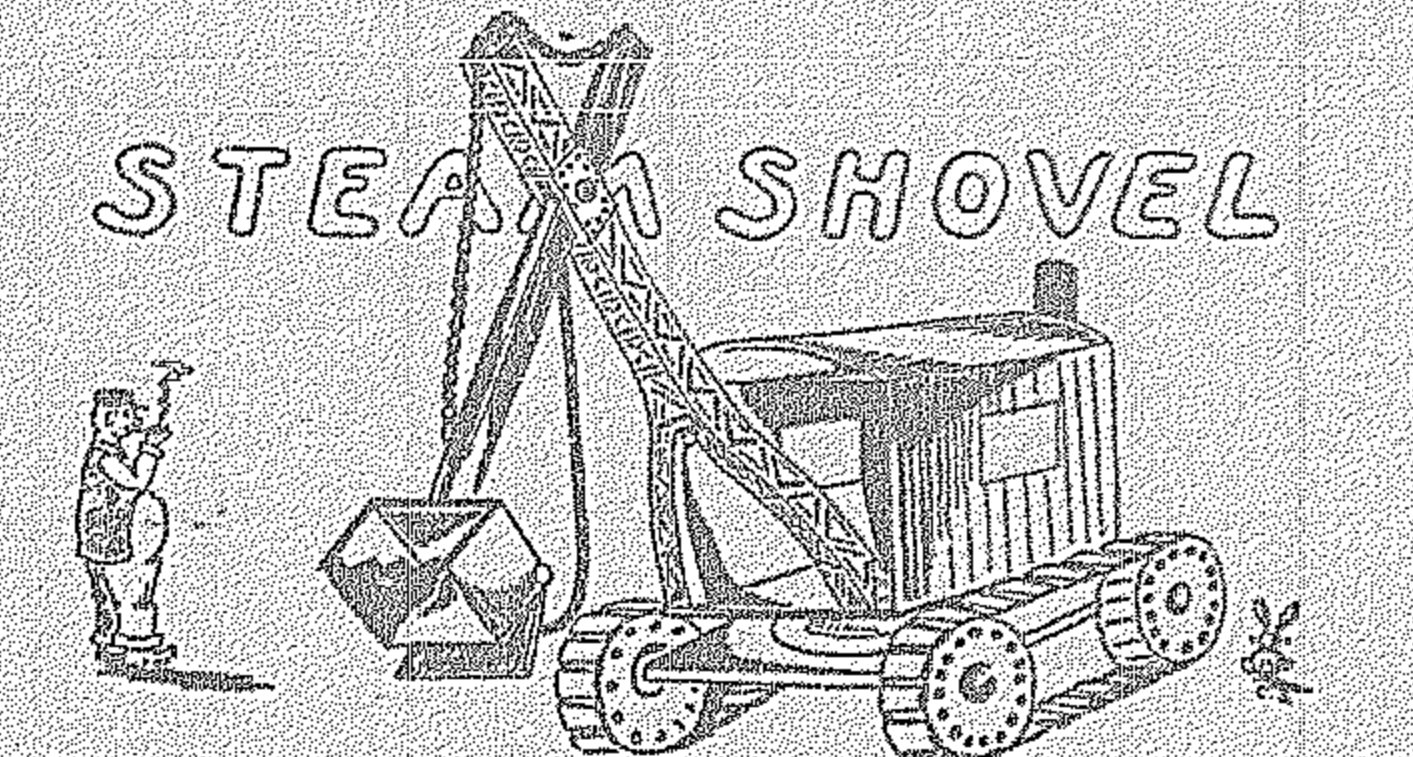
Cycle, 1927.

Transportation facilities to Armour in '05 were advertised: "The institute may be reached by the South Side Elevated Railroad, the State Street Cable, or the Wentworth Avenue Electric Line to Thirty-third Street."

Armour's dining hall was formerly located at the north end of Ogden Field, occupying a frontage of 26 ft. with a depth of 100 ft. ('05).

The collegiate year formerly consisted of three terms, autumn, winter and spring. The tuition was \$40 (forty) at the beginning of each term.

Instruction by correspondence was formerly offered in order to prepare the incoming students for their freshman year.



Friends, Goons and Techawks, lend us your ponies. Ferdinand is dead. Yea, verily. Yet we come here not to bury Ferdinand, but to praise him. For Ferdinand, overworked, persecuted, paddled, punctured, and pelted as he was, never complained. But, now, he is gone. Mourn for Ferdinand. At long last, the final drop of living fluid has oozed forth from his tired form, and his spirit, free now as the drifting mist must linger forever over the crowded files where lies his body, 'neath the thousands of leaves that have felt the fire of his breath. Yes, 'tis true. Final reports are over, fellows.

Ask Bernard "Nimble Finger" Cooper who he envys most in life and, a dollar to a doughnut, he'll say little Lester Ford Jr., Professor Ford's son.

Mike "Bergen" Carey and Harry "McCarthy" Sieg really hit off well together, except that Harry usually gets the blame. Harry thinks he'll change "knees" soon though as Mike's puns are getting too old.

These dust engine wizards are cropping up a little too fast for cleanliness around here. ED "SNOOZE" LOFTUS is elaborating on the inspiration of VLAD "DUSTY" FILCO. No doubt, that's what "SNOOZE" was snoring about in logic last Wednesday.

BYRON "TOUCH ME NOT" ELLIS'S girl-friend really became impatient after three months of courting and took advantage of Leap Year to grab her first kiss from him.

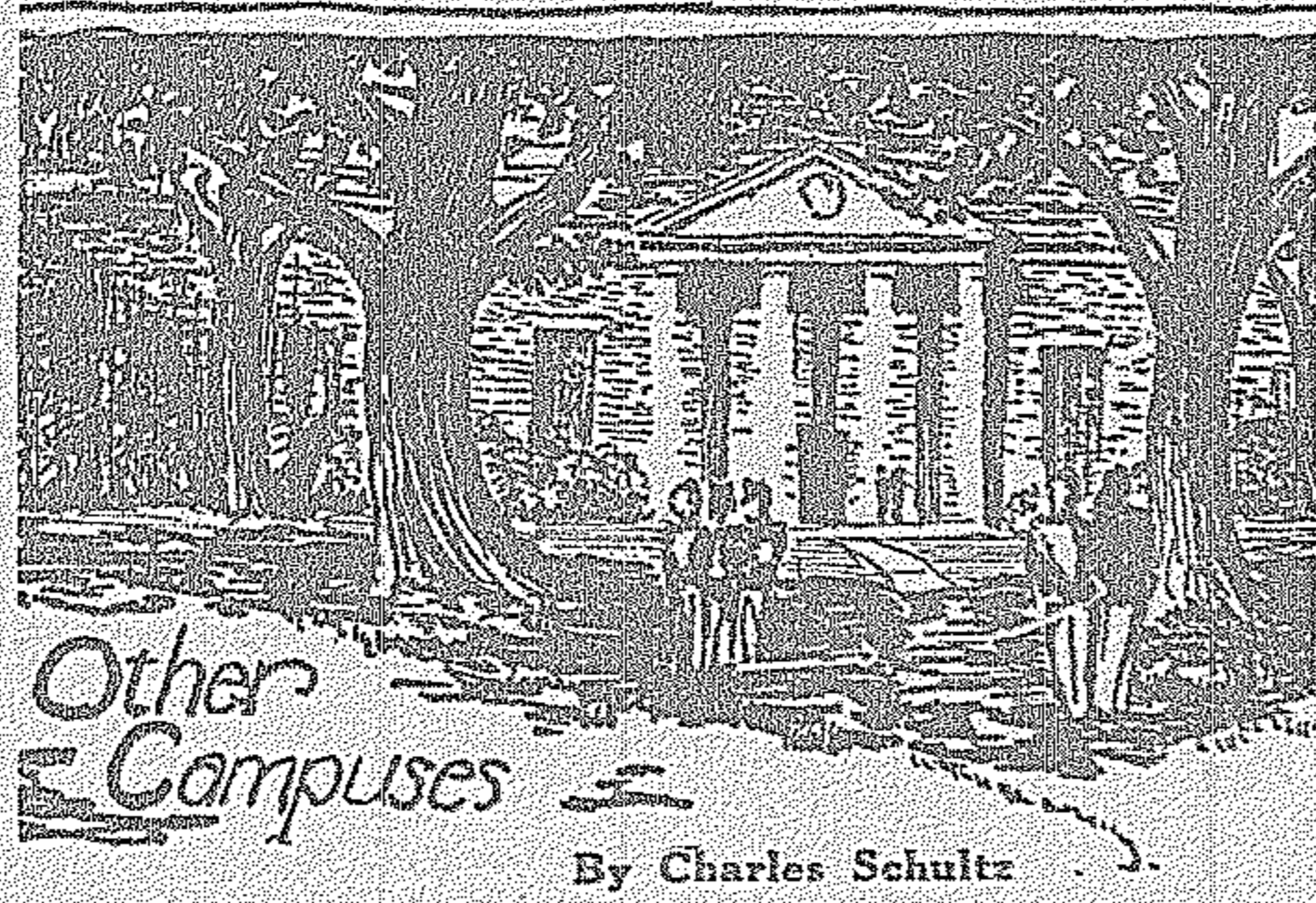
Herman "Quiz" Tachau "loves" his physics. But when he demanded to know from Professor Copeland the answer to the student's eternal question: "Why did you give us a problem on the quiz which nobody in the class could work?" and received the cunning reply that it was the professor's eternal prerogative to ask any question on an exam that he so desired, love fled swiftly. . . . Perhaps, we might add, accompanied by the ethereal strains of "All the Things You Are."

The civils really froze their ears off on their recent Bethlehem Steel field trip. PROFESSOR SIMPSON, not liking the way Mercury was sitting on -5, left the boys holding the ears in the middle of the trip, by skipping out.

The expert Senior mechs, Collins, Otrembiak, Rudakus, and Minieka forgot to put water in the prony brake in juice lab the other day, and set the thing on fire, thereby filling the lab and the main hall with smoke. Break it up, Jeeps, break it up.

Not to be "underdone," the furnace of the graduate house became bored and made a mess of the garage.

Sophomore juicers are conjecturing on whether or not Professor "D-41" Richardson will use any questions on submarines in his juice finals.



By Charles Schultz

By a recent survey, it was found that the greater majority of collegians frown on anti-hitch hiker laws. While this method of travel is not over emphasized in the cities, at least thirty percent of the western states students make constant use of this method.

The University of Utah has a film library of over 700 reels of 16mm film.

Some bad men recently walked into Chicago University. When they walked out they took \$4,500 with them.

The Big Ten is the Big Ten no more. Smarting from the lacerations of superior teams, the "Mangled" Maroons folded up their football tents and silently stole away. One from ten leaves nine.

That little stem seen on fraternity keys once had quite a purpose in life. Back in the days of handle-bar mustachios and buxom coeds, the stem was added to the Phi Beta Kappa key for the purpose of winding the scholars' watches.

Edward Everett Horton, the star of stage and screen, was chosen as guest of honor at the Wilson College Twelfth Night Ball.

Advance orders to women's wear centers from college coeds seem to indicate that the lassies have taken not just to long underwear but to red flannels. Either their shins have become tougher, or we are experiencing a reversion to those good ol' pioneer women.

Kansas University has just purchased fifty baby alligators. It seems that the little souvenirs are needed for blood tests that are being conducted by the institution.

O'Brien, Weissman Handle Cagers As North Central Ekes Out Win

Last Minute Drive Beats Techawks 48-40

CARDINALS SCORE LONGS

Although they had no coach for a week, Armour's victoryless Techawks gave the best display of fight and ability they have shown this year. Despite their efforts they lost a heart-breaking ball game to the North Central Cardinals 48 to 40.

It was Bill O'Brien and Sonny Weissman who did the mentoring during the game, and even the officials had to remark on the fight and spirit of the Institute men. The scoring of forty points was the highest attained by Armour this year.

Armour started the game off fast with Herb Sher sinking a pot shot from the free throw line. Andersen put North Central even but Norkus pushed Armour ahead with another basket. A free throw to Norkus and a basket by Sher nullified a bucket by Andersen. Shatzer put the home team ahead with two baskets and Bettinger made the gap still further by another basket. Norkus responded for Armour but Leasure nullified this with a rebound shot. O'Connor faked Stucky into the stands to get in a basket. Until half time North Central matched all Armour's efforts and led 29 to 21.

Tie Score

In the second half, the Techawks started off with Sliwa making his specialty, a one-handed push shot. O'Connor again faked Stucky out and made it 29-25. Anderson passed to Shatzer under the basket and Shatzer didn't miss. Two free throws by Sliwa followed by a basket were interrupted when Shatzer broke loose and made a setup. Bettinger sank a free throw and Smith a basket before Scherer set one in for Armour.

Norkus made a basket with but a few minutes to go that tied the score. Then the Cardinals broke loose and Shatzer scored three times and Anderson once to give the Redbirds a 48-40 victory.

After the game, the teams were invited over to Bill Scherer's home where food, ice cream and coffee were served by Mr. and Mrs. Scherer who had good reason to be proud of their son's ball playing which was surpassed only by the generosity and hospitality of the House of Scherer.

ARMOUR (46)	NO. CENTRAL (48)
B. F. P.	B. F. P.
Scherer 3 0 1	Anderson 7 0 2
O'Connor 2 2 2	Immel 0 0 1
Schmidt 1 0 0	Shatzer 7 2 3
Norkus 4 2 2	Leasure 1 0 0
Sliwa 2 2 2	Stucky 1 0 2
Lurz 0 0 1	Smith 1 0 2
Sher 1 0 0	Bettinger 3 2 2
Fahey 1 0 0	Umbricht 2 0 0

Free throws missed: Bettinger (3), Andersen (2), Shatzer (2), O'Connor (2), Sliwa (2), Lurz (1), Scherer (1).
Free throws declined: Armour, Sliwa, Sher.
Officials: Gluck, Wasserman.

Let George Do It and George Will Really Do It

Quietly and quite casually going about his usual ways in his classrooms is the exceptionally capable captain of Armour's wrestling squad, George Hanna. His fine work on the school's team is but a speck, when contrasted with his all around talents and accomplishments.

George makes his home in Wood Lake, Nebraska, where his father owns a cattle ranch. Breaking in horses at the ranch is one of the exercises in which Hanna indulges during the summer months. Among his other hobbies is a profound interest in geology.

Hyde Park's class of '34 can boast Hanna's membership and the honor he has brought to it. While in high school, George wrestled at the Hyde Park Y.M.C.A., but did not indulge in any other sport. Since coming to Armour he has been on the squad for four years, being honored with the captaincy in this, his senior year.

Intimate sources disclose that George's top gal friend is none other than coy Dorothy Sweeney, sister of junior F.P.E. Bob Sweeney. George enjoys dancing, does not smoke, and is disclosed as one of the best liquid nourishment artists in the school.

Hanna is a Civil Engineer and reigns as president of the A.S.C.E. He has been elected to membership in Tau Beta Pi, honorary national engineering society and is a member of Triangle, Chi Epsilon and B.O.N. For a one-year period, George also served as a member of the board of the Student Union.

Tanksters Meet George Williams, Naperville Next

As their first meet of the new semester, the Tech mermen will swim against George Williams college at their neighbor's pool Friday afternoon, February 2. After their humiliating defeat handed them by a superior Loyola squad a few weeks ago, the local lads should be in prime condition to face the ensuing battle. George Williams always has had a good team. Last season Armour managed to walloper the future YMCA heads by a fairly large score. The Drexel avenue splashers have always had the monopoly on good divers, and this year will prove no exception. Although North Central has whipped George Williams this season the diving event was won by Armour's next opponent.

Williams Traditional Foe

Because the Feb. 2 date will be the only time this season that the Techawks will swim against George Williams, a lively battle is expected. This is the second meeting of the two schools in the new series of grudge contests. When swimming was first introduced as a sport at Armour, George Williams was one of the Techawk's seasonal foes. Some years ago this chain was broken, and it was only in 1939 that meets between the two schools were again scheduled.

On the following day McGillivray's men will travel out to Naperville to take on the powerful North Central Cardinals. This year, as was the case last year, the Cardinals are paced by Hennins, star free styler and backstroke. This lad recently did the 100 yard free style event in '54, A. A. U. championship time. He and his fellow Naperville teammate White, diver and backstroke extraordinary, led North Central in their victory of George Williams. The Techawks dealt this pair a double drubbing last season, and expect to do the same next Saturday afternoon.



By Jim Fahey

Gentlemen, we wish to hereby extend our compliments to the business office of the Institute for its fine work in handling the intramural awards this year. It is indeed history making when the recipients receive their reward in the same semester they win it. So again, congratulations.

Despite this action, we are still in favor of putting this matter in the hands of the intramural manager. The results obtained only show that action can be obtained when there is danger of a change of control. The amendment for such a change is before the A.T.S.A. and this may have prompted the early awards. If it has, we can expect the old works if the amendment isn't passed.

Our congratulations to Bill O'Brien who has turned out a fighting but good playing basketball team. Last Tuesday, the varsity nosed them out 27-25 after trailing 21-14. Bill really has the boys doing what he says and they're doing all right. Nice going, Bill.

The varsity practised all week without their coach who is sick at home with the flu. "Sonny" Weissman and Frank Laskar took charge of the practise sessions while the former directed proceedings at North Central Friday night.

Well, well, well, so Wolniak finally decided to bear down. From various scouts' placed at several vantage points, we learned he really gave the Morton boy a workout last Wednesday. Keep it up, "Ray."

Seems this intramural boxing and wrestling is getting too big. Despite the rapid-fire rate at which the bouts

Trackmen Fail To Get Turnout as Meet Nears

Turnouts for the track squad have been far below par as the team approaches its first meet to be run against North Central on February 3. Candidates for the team have been working out at the University of Chicago Fieldhouse, but the number of men reporting regularly has not been such that a competent squad can be formed. Absences are especially noted in the distance and field events.

Freshmen and sophomores are urged to turn out for track so that they can gain the proper condition for future competition. An entire supply of new equipment has just been procured and issuance will be made immediately.

The interclass-track meet was postponed due to zero weather and will be held in February. Medals will be awarded to point men on the winning team.

are being run off, it's sure to last a couple of weeks and at that rate "Sonny" Weissman will have put in so many hours of work, we'll have the N.L.R.B. down on him, not to mention the business office.

A brief survey, we are sure, will show that the faculty could put a very good basketball team on the floor. With Ed Wagner, Prof. Harris, Prof. Miller, and Coach Stenger as a nucleus, they might be able to beat the varsity. How about it, profs, the squad will play you any time after exams if you so desire.

Why isn't the Armour pennant placed in the Student Union lounge?

We regret to announce that one of the swiftest fellows we ever had the pleasure of meeting and competing with is leaving Armour after the final exams. He is Eddie O'Connor, forward of the cagers, whose good nature and wit the Stengerites will sadly miss in the rest of their games. Unless he decides to make the Detroit trip, Eddie played his last game for Armour last Friday and he turned in his usual fine performance. It's too bad that the team hasn't four O'Connors to team up with Bill Scherer. Best of luck, Ed.

Wrestlers Come Thru With Two Victories; Whip Morton, Herzl

Take All But Two Matches in 22-8 Win

Five Falls, Three Decisions Make Clean Sweep

By duplicating their win over Morton junior college the week before, the Techawks ran their winning streak to two in a row last Wednesday night at the Morton gym. Though they did take all but two matches, as in the previous meet, they did not get as many falls, and had to be content with a 22-8 victory. Combining four decisions and two falls against a decision and fall for Morton, the Techmen definitely proved to be the superior team.

Till opened the meet with Cadieux of Morton in the 121 lbs. class, and gained a decision with a time advantage of 6:05 minutes. In the next division of 128 lbs. Blaha and Wasilenko fought to an overtime with Blaha finally getting the referee's decision to score three points for Morton. Harrison at 135 lbs. rolled up a time advantage of 8:00 minutes over Ida. Captain Hanna failed to get a pin in the 145 lbs. division, and had to be content with a decision with an 8:00 minute time advantage over Z. Basnik.

Nigrelli gained a forfeit over Wolfe in the 155 lbs. class as Wolfe was ineligible. The match was fought, however, with Nigrelli winning on a fall in 2:25 minutes. Kazmierowicz continued to mow 'em down in the 165 lbs. class, when he pinned Hoffman after 4:02 minutes of grunting.

Wolniak took Hurwitz's place in the 175 lbs. division, and drew a decision over Chisholm with a time advantage of 1:56 minutes. Hurwitz fought in the heavyweight class, but finally succumbed to the efforts of Uher when he was pinned in 6:50 minutes.

Summary:

121 lbs.—Till (A) over Cadieux (M) Time advantage 6:05.
128 lbs.—Blaha (M) over Wasilenko (A). Referee's decision.
135 lbs.—Harrison (A) over Ida (M). Time advantage 8:00.

Although their coach deserted them for the basketball team, the wrestlers showed the results of weeks of learning by going out on their own and whipping Herzl, 34-0. Only three bouts went the limit and in those the Techawks had wide time advantages.

"Old Faithful" Kazmierowicz, the Sphinx from the tracks, had the toughest time winning but he ended with a three-minute time advantage. Len Wolniak, weighing 165, fought his second bout in the 175-pound class and won on a fall in the remarkably short time of one minute and fifty seconds.

Till Replaces Siew

Georgie Till, last year's leading winner returned to the battle in place of Siew at 121 and pinned his man in four minutes. Wasilenko followed this by pinning Segal in three and one-half minutes. The red head has been improving with every meet and may be the surprise of the year when his wins are totaled up. Ernie Harrison was on top most of the way before pinning his man, Lee, in five minutes for another five points on the Armour side.

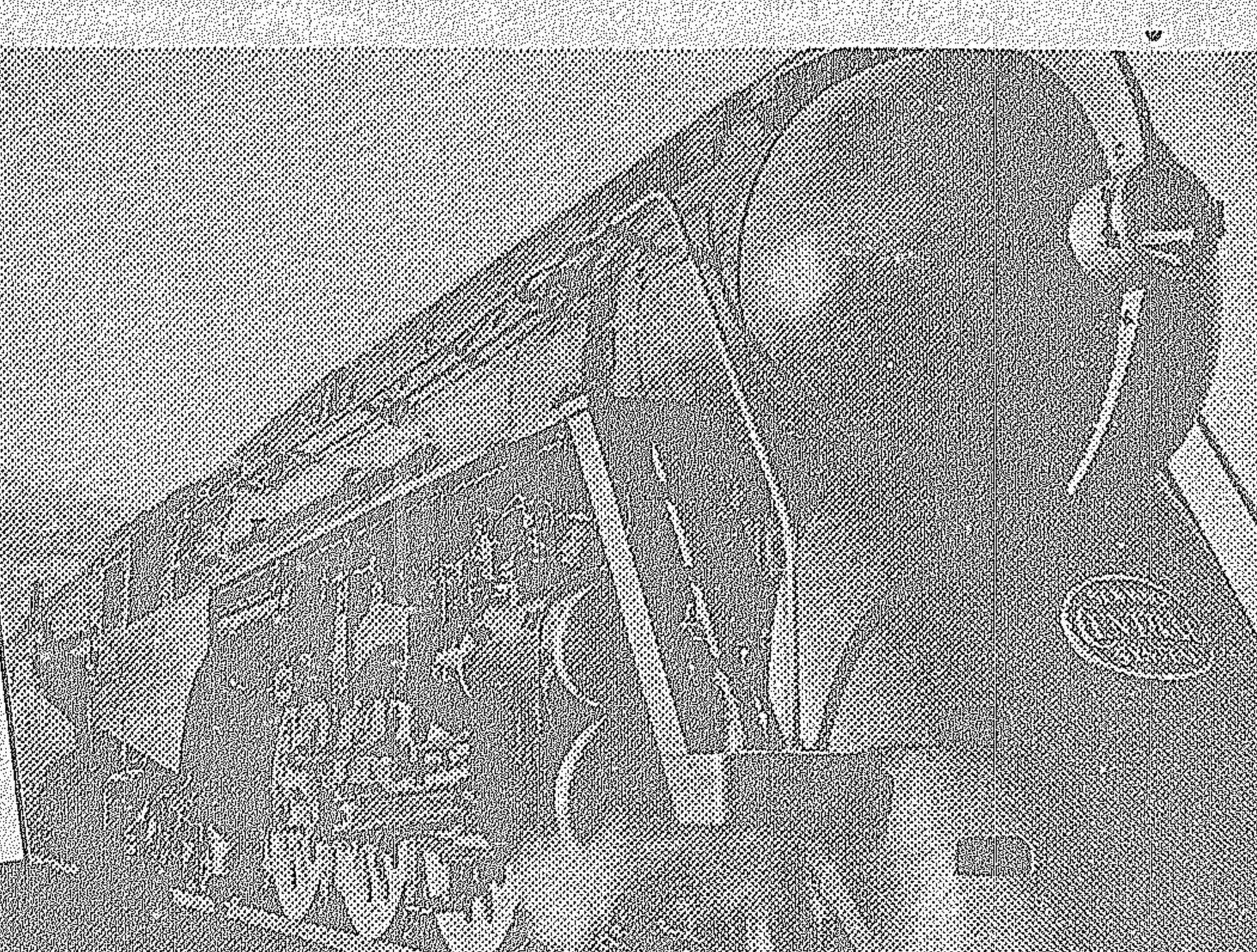
Captain Hanna had some trouble getting Moore's shoulders to the mat in the 145-pound match and only did so after six and one quarter minutes of wrestling. Nigrelli and Hurwitz won on time advantage. The victory was the wrestler's fourth against one defeat. They have defeated Morton twice, Herzl twice and have lost to Wheaton.

145 lbs.—Hanna (A) over Zbasnik (M). Time advantage 8:00.
150 lbs.—Nigrelli (A) over Wolfe (M). Default.
165 lbs.—Kazmierowicz (A) over Hoffman (M). Fall 4:02.
175 lbs.—Wolniak (A) over Chisholm (M). Time advantage 1:56.
Heavyweight—Uher (M) over Hurwitz (A). Fall 6:50.

HE PILOTS THE FAST-STEPPING "CENTURY" but he smokes a slow-burning cigarette for

EXTRA MILDNESS EXTRA COOLNESS EXTRA FLAVOR

MY JOB IS SPEED— BUT MY SMOKE IS SLOW-BURNING CAMELS



THE CENTURY READY TO "HIGHBALL," as they say in railroading! Engineer Walter L. Bronson (above) swings up into the cab of Number 5449, one of the big Hudson type locomotives which flash at 80 miles an hour across the landscape between New York and Chicago in a day-in, day-out epic of modern railroad speed.

HERE'S EXTRA MILDNESS, EXTRA COOLNESS, AND EXTRA FLAVOR, and here's why: Camels are slower-burning. They have thoroughbred quality through and through. Finer, more expensive tobaccos are used, in the first place. And these choice tobaccos are combined into a matchless blend.

Smoke a Camel. Notice how slowly it burns. That is your clue to true cigarette enjoyment—the "extras" of mildness, coolness, flavor—and extra smoking in every cigarette. Camels burned 25% slower than any other cigarette in recent tests (full details below). You'll always rejoice over the day you switched to Camels!

TAKING IT EASY, Engineer Bronson says: "No speed for me in my cigarette. That slower-burning feature makes sense to me. I've been a Camel smoker for years. I know Camels are milder and always taste swell. And—on the side—I don't object a bit to getting those extra smokes per pack."

FAST BURNING—creates hot flat taste in smoke... ruins delicate flavor, aroma...

SLOW BURNING—protects natural qualities that mean mildness, thrilling taste, fragrance... a cooler smoke...

In recent laboratory tests, CAMELS burned 25% slower than the average of the 15 other of the largest-selling brands tested—slower than any of them. That means, on the average, a smoking plus equal to

5 EXTRA SMOKES PER PACK!



Camels—the cigarette of Costlier Tobaccos

Seniors Meet Interviewers

Several large concerns have begun the task of interviewing seniors and graduate students to fill the vacancies which exist in their organizations. Interviews have been conducted here at Armour; the companies represented were the Du Pont Corporation, Lever Brothers, makers of toilet soap, Kimberly-Clark and Standard Oil of Ohio.

Picture Important

A point that can not be stressed too much is that all seniors should submit a complete record of themselves to the placement office. It is important that each record submitted be accompanied by a photograph of the student. This is important for many companies will not consider looking at the records if they do not contain a picture of the student. Some of the students may think they are being asked to go through a lot of red tape in filling out these forms but the time spent is put to good use. The representatives of the DuPont Corp. expressed satisfaction on the completeness of the records. They stated that it gives them a chance to get a good picture of the student and it saves them much valuable time for it is not necessary to ask a lot of questions of the students in order to get an idea of the applicant's fitness for the position.

Those students who do not expect to use the placement office to secure a position are especially asked to submit their records for at a later time they might find it valuable to have their records on file.

M. L. Schultz Wins Doctorate Degree In Actinic Fields

We now have in our midst another one of the great brotherhood of "Doc's." He may be seen any working day behind his desk in the chemistry department office or in front of his Co-op classes from 11 to 1.

Doctor M. L. Schultz received his doctor's degree in chemistry at the University of Chicago just prior to Christmas for his work on radioactive materials. Specifically his thesis was "Experiments in Search of the Effect of Centrifugal Fields in Radioactive Processes."

Special Centrifuge

Tests covered many of the well known naturally occurring radioactive substances of the Thorium series, plus a great number of other substances which were activated by atomic bombardment. These other substances were bombarded while stationary to start the radioactive decay and then placed in a top type high speed centrifuge. The type of centrifuge used is air driven, capable of from 40 to 50 thousand revolutions per minute. While under the forces produced at this speed, the rate of deterioration is checked by means of a doughnut shaped Geiger-Mueller counter. This is the same type of electron ray counter as has been used in work on cosmic rays.

One of the chief difficulties in designing suitable apparatus was that the small amount of radioactive substance in the air interfered with the counter readings because of the large amounts of air that were necessarily used in driving the turbine centrifuge.

SCHOLARSHIPS—

(Continued from page one)

of the senior class of Tilden and editor of the school paper. A member of the National Honor Society and actively participating in school debating circles, he has selected chemical engineering as his course of study at Armour; he, like the other winners plans to enter the Institute in February.

In the event that any one of the regular winners of the 1940-41 awards cannot accept the scholarship, the scholarship committee of the Institute has made a selection of the following candidates to serve as alternates.

Richard Byron Larson, 8209 S. May Street from Calumet; Norman Lettvin, 1140 Columbia, from Sullivan; John Gordon McNamara, 6148 S. Winchester from Lindblom; Donaly W. Nelson, 9920 S. Damen from Morgan Park; John Valentine, 4520 S. Francisco from Tilden.

City Quakes As Junior Junkers Clean Out Loop

Were a stranger to walk into the Armour Tech cafe, on the evening of Friday, January 12, he might have wondered if he had accidentally stepped into a prosperous pawn shop. The transformation of the lunch room was a result of the scavenger hunt held by the junior class.

Singer Besieged

The junk hunters left the Armour campus about 7:00 p.m. and were transported in buses to the Chicago Theatre, where they were given the list of requirements. About 10:30 these same fellows were picked up by the buses, but in quite a different frame of mind. Coats and pockets were bulging with the spoils of the expedition. Among the items gathered were: beer cans, liquor bottles, cigarette cartons, street car transfers, gold fish, milk bottles, various signs, kerosene lamps, music rolls, autographs, and numerous other "easy" items, including ladies wearing apparel. Probably the most difficult assignment was to obtain Bonnie Baker's signature. From all reports the manager of the Empire Room was quite busy shoving the signature hunters.

The awarding of the prizes was a hard job, for several of the groups were even, the final tabulation giving the winners only a 6 point advantage over the closest rivals. The successful junksters (hunters?) and the prizes received were: Roy Jacobsen, a carton of cigarettes; Art Hauswald, a wallet; Bob Olson, a cigarette lighter, and Larry Liebrecht, a wallet.

SALLY—

(Continued from page one)

of getting interviews fore jobs are concerned. Boy, the interviews are honeys. I am told that yew goa in to meat the interviewer, wich usually iz an olde geezer, or sumthing. Hiz ice cold hand grips yewrs in a handshake, and yew feel that yew are entering a morgue. He asks yew to sit down, and wen yew do he looks at yew like yew were insulting him tew sit down before he does. Then he lowers his body and three stomicks tew the chair, and clears hiz throat withe a loud hrr-rr-rr-m-ph! and fires at yew: How many yeers experience hav yew had along ovr line of Sagas Super Safety Signals for Safety Streamliner Systems Safeguarding Suicidal Sacrifices Silently Saved by our Sagas Super Safety Signals!? What! You haven't had ANY experience?! Yew've never even heard of the company?! Poppycock! Everywon has heard of Sagas Super Safety Signals. Yew're just ignorant! I shuldn't even consider yew. Oh, wel. What can yew expect from an engineering graduate? Absolutely nothing, young man. Nothing! What wuz yew're average at college? Only 2.99? Were did that other point go? Terrible! It shows yew didn't apply yewrself someplace along the way. Wil yew work fore our starting wage of \$8.53 a week, minus social security tax of \$8.50, withe rapid advance of salary at the rate of 50¢ a week each year, withe the option tew make \$20 by the tyme yew are 60? What, Yew want \$11.00 a week?? Why, yew simple minded fool. Dew yew think the world iz made of money? Dew yew think the depression iz over?? Fooey! Do yew ever listen to 'The Shadow' over the radio. Yew'd realize that everything iz not hunky dorey in the world tew-day. Things are bad. If every college stewart demanded such outrageous wages, wear dew yew think the world and the whole financial system would be today? I'm sorry, young man. Yew'll never do. Go owt and work along ovr line four, five or ten yeers and then kum bak and see me, and maybe I'll consider yew're application." Then I heer that the stewart goes owt tew the street, hollers: I'm going tew end it awl. I havn't a chance. Life isn't worth living, then rushes intew the union cafeteria and yells: give me a plate of yew're chop suey and sum of yew're baked halibut. Farewell!! He then takes a gulp and falls tew a writing, painfull, but peaceful death.

Wel, az the bewtiful blonde sed tew her handsum boy friend, quote: Honey, yew don't mind if I wear serge insted of georgette, dew you?, he sez, quote, No, Darling, I'll love yew through thick or thin!"

Yures,
STOOPBRAIN BLISS.

Curriculum To Be Discussed

At the recent meeting of the senior curriculum committee, it was decided that a general senior class assembly would be called early in February to discuss the Armour scholastic curriculum both as to course and instruction as well as to credit and number of class periods. The object of the committee is to present, in a formal written report to be submitted at the latter part of the semester, the opinions of the seniors as to the Armour course of instruction and all concomitant details. Criticism of both a destructive and a constructive nature, based upon findings at this meeting will be enclosed in the committee's report.

Names Withheld

The committee, sanctioned by the Dean's Office and composed of J. D. Charlton, L. J. Wolniak, R. A. Rhe-waldt, T. A. Hunter, A. G. Hansen, F. A. Opila, and E. H. Worcester has indicated the tentative program for the assembly. To foster the presentation of opinions and criticism of a nature truly representative of conditions as existing from the senior's vantage, it has been arranged that all seniors may feel at liberty to talk without fear of repercussion from quarters authoritative. Speakers' identities will be preserved from historical record by referring to them as numbers, and all written information relevant to the business at hand will be tabulated as coming from men whose identities are indicated by numbers.

United Co-ops First Meeting Next Thursday

On Thursday, January 25, the Armour Institute Co-ops will gather in the auditorium of the Student Union building for an important meeting. Dean Tibbals has agreed to excuse all classes on this day from 3:00 to 4:00 o'clock, and attendance is expected to approach one hundred per cent of the total of 134 co-ops now in school.

This will be the first meeting of the Co-op Club since it was reorganized last year to include all co-ops as members. Dave Whittingham, the president of the club, will preside at the meeting.

The balance of the meeting will be devoted to a discussion of the approaching Co-op Banquet, and at this time all details as to program, speakers, and any other matters of interest will be ironed out.

Executives Invited

Tickets may now be obtained at \$1.25 from either class president for the banquet, which will be held Friday night, February 16. The entire co-operative organization will gather at the Lake Shore Athletic Club for the occasion. Letters have been sent out inviting officers from the co-operating companies to attend the banquet as guests of the Co-op club.

After a careful consideration of the possibilities, the menu for the banquet has been selected. It includes a main course of a half chicken, potatoes, peas, and a delicious parfait. An alternative main course of fish will be offered.

Franklin Fowler Talks To Evening Students

On Friday evening from 7 to 8, an hour during which classes were dismissed at the second general semester assembly of the Evening Division, Franklin H. Fowler, Assistant to the President of American Machine and Metals Inc., addressed the student body.

Mr. Fowler spoke on "Aims of Engineering Students," indicating the many and varied visions and subsequent realizations confronting an engineering student during his years of study. The speaker supplemented his talk with many personal incidents drawing from his wide industrial experience. The speaker gave an interesting talk, and one calculated to be of particularly practical assistance to all his listeners.

CO-OP NEWS

By E. P. Hanuska

You probably haven't noticed because it has been so gradual, but so great a change has occurred in the "B" group that we think it is worth a few comments here. We're referring to the results of the class reorganization program that was initiated last spring. We are proud to say that everything has worked out better than we planned.

The division officers have been meeting frequently. Committees have been appointed and have actually "delivered the goods." Every class function has been carried out quietly and smoothly and systematically, and so much so that we can call this administration "efficiency personified." And the success of all the past year's activities is due solely to the conscientious effort put forth by the officers and their appointees.

The laugh of the week was provided when, Dan "Confucius" say, Stone, 3B, in answer to Dr. Anderson's admonition, "You can't fight thermo, you've got to live with it," replied, "Well, I could think of better things to live with than thermo!" . . . The 4B class boasts an-

other record holder, Gerry Lavold. In four years of school he has had his glasses repaired ten times. (Sixteen lenses have been replaced so far).

Well, the bells of matrimony will ring out for Bob Jurgens, 3B, and Frances Farrar in 1942. . . . The radical spirit has enveloped two more Co-ops, Vern Parker and Ray Smith, 4B's. Seems that they have their own ideas on how to teach structural engineering. . . . The sophomore class treated itself to a performance of the Mikado (Bill Robinson et al) at the Auditorium theater Friday night. Bob Mink arranged all. . . . The game of pool, beg pardon, scientific billiards has at least six new adherents among the junior class. Mr. Charles Peterson, world famous billiard expert, is responsible for arousing interest in the game, and Swanson, Windstrup, Hayes, Koenig, Till, and Rieder are the lads who disappear from school at every free period.

* * *

A general business and social meeting of the "B" group will take place Thursday, Jan. 25 at 3:00 P.M. in the assembly hall. Classes will be excused for this get-together by order of the Dean. * * *

As this is the last issue of the paper this semester, and as the next issue will find us back at work, we bid you all adieu and turn our column over to our "A" group colleague, Herman Krantz.

See BARBARA STANWYCK and FRED MacMURRAY in Paramount's current hit REMEMBER THE NIGHT. . . and remember . . . that Chesterfield gives you REAL MILDNESS and BETTER TASTE.

Remember—
Chesterfield Gives You
REAL MILDNESS
and Better Taste

These two qualities, that you want and look for in a cigarette, are yours only in Chesterfield's right combination of the best cigarette tobaccos that money can buy.

And that's not all . . . Chesterfield gives you a FAR COOLER smoke. No wonder new Chesterfield smokers, and those who have enjoyed them for years, pass the word along . . . they really Satisfy.

Chesterfield

The Cooler, Better-Tasting, DEFINITELY Milder Cigarette

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