



## Nauman Secures Senior Presidency

### Worcester, Seidenberg, and Sheehan Win Positions

Calvin K. Nauman, head junior marshal, assistant sports editor of the *News*, and a member of Pi Tau Sigma, honorary mechanical engineering fraternity, was elected president of the senior class last Friday. He defeated E. F. Wagner, 77 to 65. Other officers elected were J. D. Sheehan, who defeated C. Basile for secretary 75 to 66; I. X. Seidenberg, who was victor over S. Gryglas for treasurer 75 to 66; and R. E. Worcester, who defeated E. Hanson 81 to 62 for social chairman.

A tie between W. R. Marshall and W. F. Schlax for the vice-presidency required a run-off election yesterday, and at the time of printing no results were available.

Those defeated in the primary election held last Wednesday were as follows: for president, H. J. Bodnar, G. M. Ives, and F. Palonis; for vice president, C. W. Carstens, R. M. Faust, R. Maxant, and E. J. Skeppstrom; for secretary, B. W. Gamson, H. B. Nicholas, and N. F. Simeon; for treasurer, S. J. Johnson, J. Krumbein, and G. A. Palka; and for social chairman, H. G. Downing, S. Osri, and G. Stober.

## 'Thermal Insulation' Eighth Radio Lecture

"Thermal Insulation" and its relation to our every day life, was the topic discussed last Saturday by Professor James C. Peebles, professor of experimental engineering, as guest scientist on the eighth program of the current series of radio broadcasts sponsored by Armour Institute through the cooperation of the Adult Educational Council of Chicago over radio station WCFL.

Professor Peebles discussed the many different types of material used for insulation: namely asbestos, wood fiber paper, and others. He dwelt upon the ability of bright sheets of metal foil, usually aluminum, to reflect radiant heat, and declared that probably fifty percent of the heat that passes through a hollow wall of a building is in radiant form and that its flow can be greatly reduced.

In response to the questions by Alexander Schreiber, the interlocutor on the program, Professor Peebles said that the total cost of insulation in the walls of small homes can be paid for in a period not to exceed five years through the saving in fuel alone.

## Fire Prevention Work Described by Taylor

Mr. J. B. Taylor of the fire prevention department of the Western Actuarial Bureau, spoke on "Fire Prevention Work" at the meeting of the Fire Protection Engineering Society last Friday morning.

Mr. Taylor stressed the human side of all insurance work, saying that without an understanding of human nature an engineer can not successfully contact and convince a client, even though the engineer be an expert in his type of work.

## Professional Chemical Holds Preliminary Pledge Smoker

Alpha Chi Sigma, professional chemical fraternity, held a Pledge Smoker last Friday evening at the Pi Kappa Phi fraternity house. Cards, billiards, and a ping pong tournament were some of the diversions which helped to make a pleasant evening for the members and prospective pledges. Pledging will be done next week. Refreshments were served to complete the evening.

## Salamander Pledges Four Upperclassmen

A public pledging of Salamander, honorary fire protection engineering society, was held at the beginning of the F.P.E.S. meeting last Friday. Three seniors, E. W. Arends, C. W. Dunbar and, W. G. Labes, and a junior, D. W. Jacobson, were pledged. Pledge captain H. G. Downing is planning several duties for the pledges to do, not the least of which is the writing of a five thousand word paper on some subject connected with fire insurance work.

The initiation is being planned for November 2 and will probably take place at the Swedish Club.

## Math Club Elects Zarem President; Krathwohl Speaks

Holding their first meeting on last Friday at 10:30, the Math Club elected the following officers: A. M. Zarem, president; J. Catlin, vice president; and J. Gerhardt, secretary-treasurer.

The meeting was opened by Zarem, who introduced Dr. Ford, head of the mathematics department as the first speaker. Dr. Ford emphasized the necessity of mathematical interest in the engineering courses, showing how an engineer might make important steps in research by carrying the problem beyond the result he was looking for. He also presented the students with the famous "four fours" problem.

Dr. Ford then introduced Dr. Krathwohl, the sponsor of the Math Club, who stressed the importance of mathematics in the practical world. He also spoke of the method to be used in an attempt in everyday life, thus stimulating an interest in a thorough mathematical education. Specifically, the plan is that high schools and colleges cooperate in maintaining an exhibition in the Adler Planetarium building, illustrating the everyday applications of mathematics. A different group of illustrations is to be shown every two months.

The principal purpose of the Math Club is to serve as an auxiliary teaching organization in mathematics, discussing problems which have not been stressed in classes. It also serves as a means for the getting together of those who share a common interest in mathematics.

## Combs Announces Cast for Coming O'Neill Play

### 'Where the Cross Is Made' to Be Staged Soon

Final selection of the cast of the Armour Players' production of the one act play by Eugene O'Neill, "Where the Cross Is Made", was made at the rehearsal of the Players on last Thursday. The cast as it stands now is as follows:

Captain Isaiah Bartlett.....  
.....A. N. Schrieber  
Nat Bartlett, his son.....  
.....Charles MacAleer  
Sue Bartlett, his daughter.....  
.....Katherine Urso  
All of Schooner Mary Allen—  
Silas, Horne, mate.....Monte MacConnell  
Cates, bo'sun.....Sidney Kreiman  
Jimmy Kanaka.....John Niltac

The title "Where the Cross Is Made" comes from the analogy "x" marks the spot. A cross on the map which tells the location of a buried treasure is the focal point of the plot. Action is quite rapid because of the shortness of the play. Mr. Combs, member of the English department and director of the play, announces that the play will be held about the second week in November.

The technical staff which will be largely responsible for the success of the play consists of

R. Erisman.....Publicity  
M. Pantone.....Stage Manager  
Scenery Designers.....  
B. George, G. Danforth, J. Rea,  
G. Scott  
Electrician.....W. Emmerich  
Costumes.....W. Buchman  
Properties.....R. Brinkman

## Telephotography Talk Next Junior Feature of Downtown W. S. E.

Mr. K. P. Stiles, engineer of the American Telephone and Telegraph Company will give an interesting and instructive talk on a subject that has rapidly grown to take a highly important place in the modern newspaper industry. The talk will be given from the Western Society rooms on the twelfth floor of the Engineering Building, 205 West Wacker Drive on Thursday, October 21 at 7:00 p.m. and will be presented under the sponsorship of the Junior Engineers.

The speedy development of telephotography or wirephoto has left many questions pertinent to its operation in the minds of the unskilled. What does the sending apparatus and the receiving apparatus look like? What kind of pictures can be transmitted by wirephoto? How is it possible to synchronize the sending and the receiving scanning apparatus? Is telephoto limited to a special kind of a sending or receiving station or can it be operated anywhere with portable equipment? In what field has telephoto its greatest significance? These and many other questions will be answered authoritatively by the speaker.

Because Mr. Stiles, who was graduated from the University of Nebraska in 1928, has had a great deal of experience with telephoto, his talk should be of interest to everyone.

## Engineers' Council Approves Armour Studies Schedule

Word has just been received from the Dean's office of the approval of the Armour curricula by the Engineers' Council for Professional Development. This is the result of the inspection made last December by the Committee on Engineering Schools of the E. C. P. D., and is a part of the program for accrediting schools of engineering throughout the country now being carried on by the E. C. P. D.

Armour courses which appear in the list of the Council are: Mechanical Engineering, Electrical Engineering, Civil Engineering, and Chemical Engineering.

### Based on Good Practice

The standards used by the E. C. P. D. in accrediting particular curricula are based on what is considered good practice in other curricula of generally similar nature. Since the curriculum in Fire Protection Engineering is the only one of its kind, no such basis of comparison was practicable in the case of this course. The course in Engineering Science was not submitted for inspection inasmuch as it had not been in operation a sufficient length of time to qualify.

The course in Architecture does not come under the jurisdiction of the Engineers' Council for Professional Development. Similar approval of architectural courses is extended by the Association of Collegiate Schools of Architecture, of which the Institute has been a member for many years.

### Organized to Raise Status

The Engineers' Council for Professional Development is a conference of engineering bodies organized to enhance the professional status of the engineer through the cooperative support of those national organizations directly representing the professional, technical, educational, and legislative phases of an engineer's life. The work of the Council is developed along the following lines: (1) Selection and guidance of those who seek to enter engineering schools. (2) Formulation of criteria of colleges of engineering. (3) Encouragement of training of the young post-college engineer. (4) Recognition of engineers who have made suitable standings.

Anyone interested in working on the editorial, business, or circulation staffs of *The Cycle*, *Armour's* yearbook, may report in the *News* office, which is on the third floor at the second entrance of Chapin, tomorrow at 12:20.

# Dr. W. E. Hotchkiss Resigns; Dean Heald Acting President

## Came from Stanford; Known As Educator and Leader

Dr. Willard E. Hotchkiss came to Armour as president in 1933, from the position of dean of the graduate school of business at Stanford University. He was born in Amber, New York, in 1874, and won his Ph.D. at Cornell University in 1897. In 1903

## Dr. Hotchkiss Writes Message to Students

Through the columns of the *Armour Tech News*, I should like to greet every member of the student body as I am laying down the presidency of Armour. Still more, I should like to bespeak for Dean Heald and his administration of the presidential office the loyalty and devotion which

## Surprise to Students; Trustees to Select New President

By J. D. S.

Dr. Willard E. Hotchkiss's resignation from the presidency came as a surprise to the student body when the announcement was made public at a faculty meeting last Tuesday.

Again, the school managed to scoop the *News* when the story appeared in the Chicago dailies last Tuesday evening.

Dean Henry T. Heald has taken up the story of Armour Tech as Acting President in which capacity he will act until the Board of Trustees appoints a new president which may take from one to six months or longer.

President Hotchkiss had already discussed his resignation with the Board of Trustees and his formal resignation appears in his Annual report to the Board for the year ending August 31, 1937.

### Work Undertaken Is Done

In making his resignation, Dr. Hotchkiss stated, "It seldom serves a useful purpose to subject the reasons for resignation to a detailed analysis. However, I believe that the record of events as outlined in my current and previous reports shows that the work which the Executive Committee of the Board of trustees asked me to undertake in December of 1932, has been completed."

Commenting on the resignation Mr. James D. Cunningham, chairman of the Board of Trustees stated: "The Institute was extremely fortunate in obtaining the services of this noted educator and economist in 1933. He brought to the Institute an understanding of operating methods as well as business methods in industry and commerce and a thorough understanding of educational requirements and problems. . . . The Institution, at present, is in a much better position than in 1933 and its future many times brighter—as a result of the untiring efforts of this man."

### Dean Heald Here Since 1927

Dean Heald, the acting president came to Armour in 1927 as assistant professor of engineering education. In 1931, he was appointed assistant to the dean. He became dean of freshmen in 1933 and took the position of dean of the engineering college in 1934 in which position he has served until this time.

Dean Heald received his B.S. at Washington State College, and his M.S. at the University of Illinois.



Dr. Willard E. Hotchkiss

he received the degree of Master of Arts at Cornell, and after studying in France and Germany for two years had conferred upon him the degree of Doctor of Philosophy by the same institution. In 1927, Northwestern University conferred upon him the degree of Doctor of Law.

In 1904 Dr. Hotchkiss joined the faculty of the University of Pennsylvania and in 1905 came to Chicago and joined the staff of Northwestern University where he served until 1917. Returning to Northwestern again in 1921, after serving two of the intervening years as professor of economics and director of business education at the University of Minnesota, he founded and became Dean of the School of Commerce until 1925. From 1925 to 1932 he was at Stanford.

Among the many important offices Dr. Hotchkiss has held, he has been executive secretary of the President's Industrial Conference in 1920, Educational Advisor to the Institute of American Meat Packers, investigator for the United States Coal Commission, chairman of the California Economic Research Council, Pacific Coast Advisor of the President's Emergency Commission for Employment from 1930 to 1931, chairman of the NRA General Code Authority, and member of the Board of Editors of the *American Economic Review* from 1918 to 1932. He is also author of several important papers.

Dr. Hotchkiss plans to take an active part in industry and public service in which he has had an intense interest throughout his career.

## Co-op Economics Club Holds Term Banquet

On Friday, Oct. 8, the "B" Coop Economics club held its term banquet at the Lawson Y.M.C.A. After dinner the speaker of the evening Mr. Cook of the Carnegie Illinois Steel Corporation, gave a speech entitled "Personality Traits Not Developed in the Curriculum." After this very informative talk, Mr. Wallace Bruce Amsbury entertained the guests with his dramatic poems. The following people were the guests of honor: Dean Heald, Dean Tibbals, Professor and Mrs. Lease, and Professor and Mrs. Fulghum. It was very unfortunate that Mr. Harding, the club sponsor, was unavoidably detained.



Dean H. T. Heald



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## Math Club Starts Anew

In past years the Math Club has been dormant. The club has always had the problem of low membership to contend with, and attendance at some meetings has been discouraging.

Most of the members were juniors and seniors who naturally had other interests, the meetings of such a nature that freshmen and sophomores could not fully understand the subject, and many freshmen were not able to attend meetings on account of having classes at 10:30 on Friday.

Student members have been presenting speeches, and this fact has tended to reduce membership by discouraging prospective members. A man, although interested in mathematics, felt that he could not spare the time to learn enough about a subject to be able to present a talk which contained mathematic knowledge with which his fellow students were not just as familiar as he. This practice is still retained, but in addition outside speakers will be brought in, and subjects will be understandable by any student who might attend.

As was the case a week ago last Friday, the meetings of the club may run in competition with the regular society meetings. Since this causes lower attendance at both the mathematics meetings and the society meetings, the problem of a meeting time is a serious one, and one with which the club must cope.

After the club is well organized it plans to become a nucleus for an association of mathematics clubs in the Chicago area. Among the schools to be contacted are the Universities of Chicago and Northwestern. The advantages of this arrange-

ment are the planning of a mutual exchange of speakers and ideas, and the increased probability of having some combined meetings.

From such a beginning are great organizations built, and this club's courageous start indicates that it may reach its ambitious goal.

## for President

### and Why

Immediately facing the Board of Trustees is the task of appointing a president to replace Dr. Willard E. Hotchkiss who has resigned.

Dean H. T. Heald as acting president can ably carry on the work until a new president is appointed. There will be no major disturbance because the school program for the year has been outlined.

Most students wonder why we need a president. They think of Dr. Hotchkiss as a man who introduced a few speakers, who passed quickly by them in the hallways with a leather folder under his arm, and who, shut off from the world in his office, in some way controlled the school's policies.

Of course, the president's duties vary with the man. He is responsible for the complete educational and business organization of the school. He must keep the Board of Trustees happy and he may recommend new members. All faculty appointments pass through his office.

Since 1934, the school has definitely advanced. Its enrollment in all divisions has increased, outstanding scientists have been appointed, new projects have been added, and it has taken on a new physical appearance. Whether this came from one man's ability or as a natural result of an upswing in business, we do not argue. Now, the school is facing with the world what looks to be a coming lean period.

A non-endowed institution cannot continue long when it runs continually at an annual deficit of \$50,000. All of us wish to, and of course will, see this center of learning continue after we are gone, but Good Will will not keep an enterprise going.

Armour Tech needs money. All schools are in the ring dealing with public spirited citizens. Let's have a man, a president, who can defend our interests.

Most presidents are selected from outside because the people concerned usually know the local talent too well. If we look outside, let's be sure the grass is actually green.

A famous scientist with other qualifications would be ideal but it is difficult to imagine that a great scientist would leave his scientific interests to assume the duties of a president. A man in the public eye or a leader of a profession might fit the part. An educator might succeed, but definitely we want a man who will enter the ring and win. He should be a leader, an excellent speaker, and a good mixer.

Gentlemen of the Board, we depend on you to select a man who will best be able to advance our common interests.

## The Slipstick

Cleave to the slipstick; let the slapstick fly where it may.

One week has elapsed and our contest is well under way! From the single entry received we can readily judge that we are in no danger of losing our job! The piker even went to the trouble of drawing a nickel when he could have saved himself the trouble by submitting one with the entry. If this contest will pay the way it started . . . We will pay the entry fee for this week the sum of five U. S. pennies to throw his "jokes" at our worst enemies . . . the Society for Prevention to Dumb Animals. Howz about jokes pliz . . .

### SOUNDS IN THE NIGHT:

Da, da, . . . wee, wee.  
It's your move now.  
That's not the gear shift, it's my leg wise guy.

You may be sweet sugar, but you are not refined.  
Lady, give you twenty-four hours to get out of this room.  
You remind me of my mother—I wish you'd take me home to her.

Mistress: Mary, when you wait on my guests tonight, please don't wear any jewelry.  
Maid: I haven't anything valuable, ma'am, but thanks for the warning.

A sophomore is a silly thing  
He never seems to know a thing  
He never cares to say a thing—  
See how easy it is to write rhymes!

"What was the explosion on Si's farm?"  
"He fed his chickens some 'lay or bust' feed and one of them was a rooster."

A corkscrew has been the turning point in a fella's life. Fo'give me, Doris, fo'give me.

ME.

## Fraternity Notes

### TRIANGLE

The Armour Chapter of Triangle takes pleasure in announcing the pledging of

Edward Steinke '41  
John Kirkland '41

Last Sunday a tea was held from 2:00 to 6:00 o'clock for the parents of the actives and pledges. It was a pleasure to meet the parents of the other fellows.

Our pledges inform us that they are laying plans for a dance to be held on the 23rd of October. We'll let you know how it comes out.

Meanwhile the actives are planning a Hallowe'en Party which we hope will be another success. In between we hope to do some of our now long overdue homework.

The pledge group is a very versatile one. They number among them two varsity pitchers, a wrestler, boxer, newsman, and, so we hear, the entire clarinet section of the Armour Tech orchestra.

### SIGMA ALPHA MU

We are very pleased to announce the pledging of:

Robert Barrett, M. E. '41.  
Harold Fischer, M. E. '41.

All the actives and alumni extend their heartiest congratulations to the new pledges. Plans are being made for our pledge dance during November in honor of the new men.

### RHO DELTA RHO

Rho Delta Rho takes great pleasure in announcing the pledging of

Alan Shapiro, '41  
Leonard Elgenson, '40

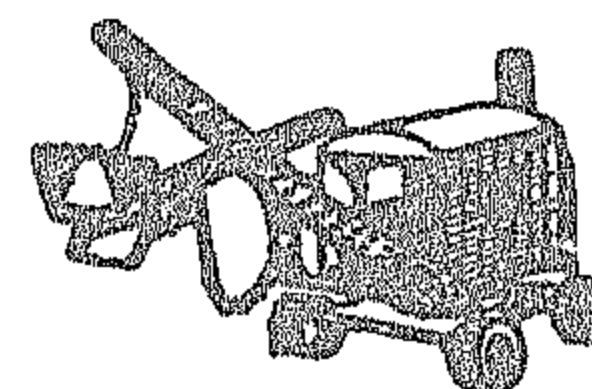
Congratulations to the new men! Our annual pledge dance is scheduled for November 6; a swanky downtown location has been selected for it. The pool tournament has been started under the supervision of Brother Miller, and is now under way. The pool sharks at last have the chance to prove their merit.

### PHI PHI PHI

The pledges are planning a dance for the house on the night before Hallowe'en. The dance will feature the presence of the President, W. C. Dunbar, who has been called "cute" by many of the freshmen.

Ray Dlouhy, the Paw Paw politician, has been elected pledge captain. His cohort, Larry Stedman, insisted on a title, so he has appointed himself pledge sergeant.

## The Steam Shovel



EDWARD CHEVALLEY came to school like a walking bottle of perfume. He sticks to the story that he used some shaving lotions, but we have doubts! COULD it be he acquired it from skating with that blonde we heard of?

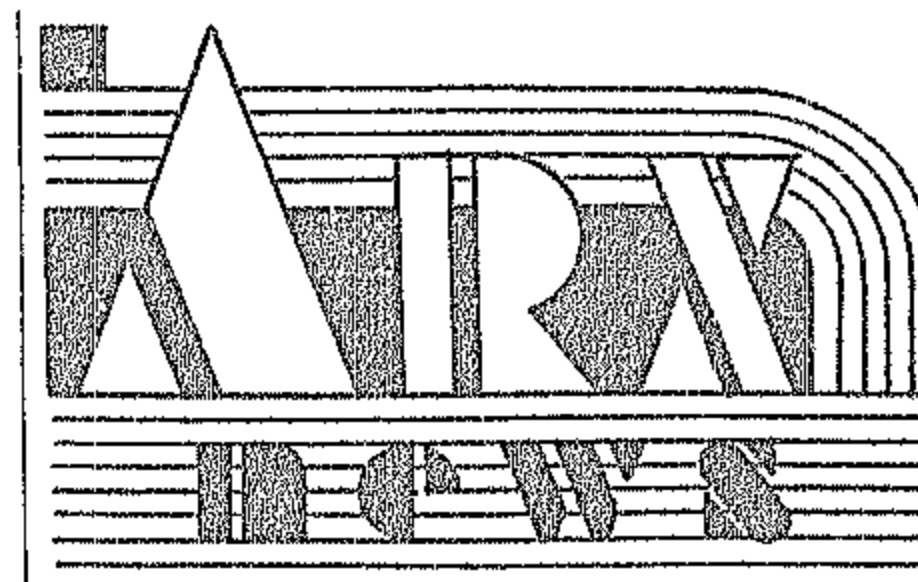
A night-mare review of what the well-dressed tech-man wears this fall: Gene Worcester's perennial white gun-boats, Mort Waldman's rainbow striped socks, Roy Petro's ball-bladder blue pants, George Stober's bull-red corduroy shirt, and our Christmas tie! Brrr!

"John Thomas" Masin, whose bark is worse than his bite, is a cinch to pass Metallurgy this semester. While giving a barn yard initiation for the benefit of the "working students" in the lab, Mr. Masin was also honored by the unknown attendance of Instructor Zmeskal. After listening to Woofingham bark, it's a cinch Zmeskal's gonna pass him to get rid of him.

J. C. POTTER'S 202 physics class is now studying light but is more worried about the origin of sound—reverberating clocks made last Thursday's quiz a Verdon!

Neal Lozins . . . I don't know why none of the girls like me.  
Roy Petro . . . What's wrong with these pants?

Jimmy Dunne . . . An' we're gonna have a house with pigs and flowers.  
Vit Mason . . . Why do they always pick on me!!



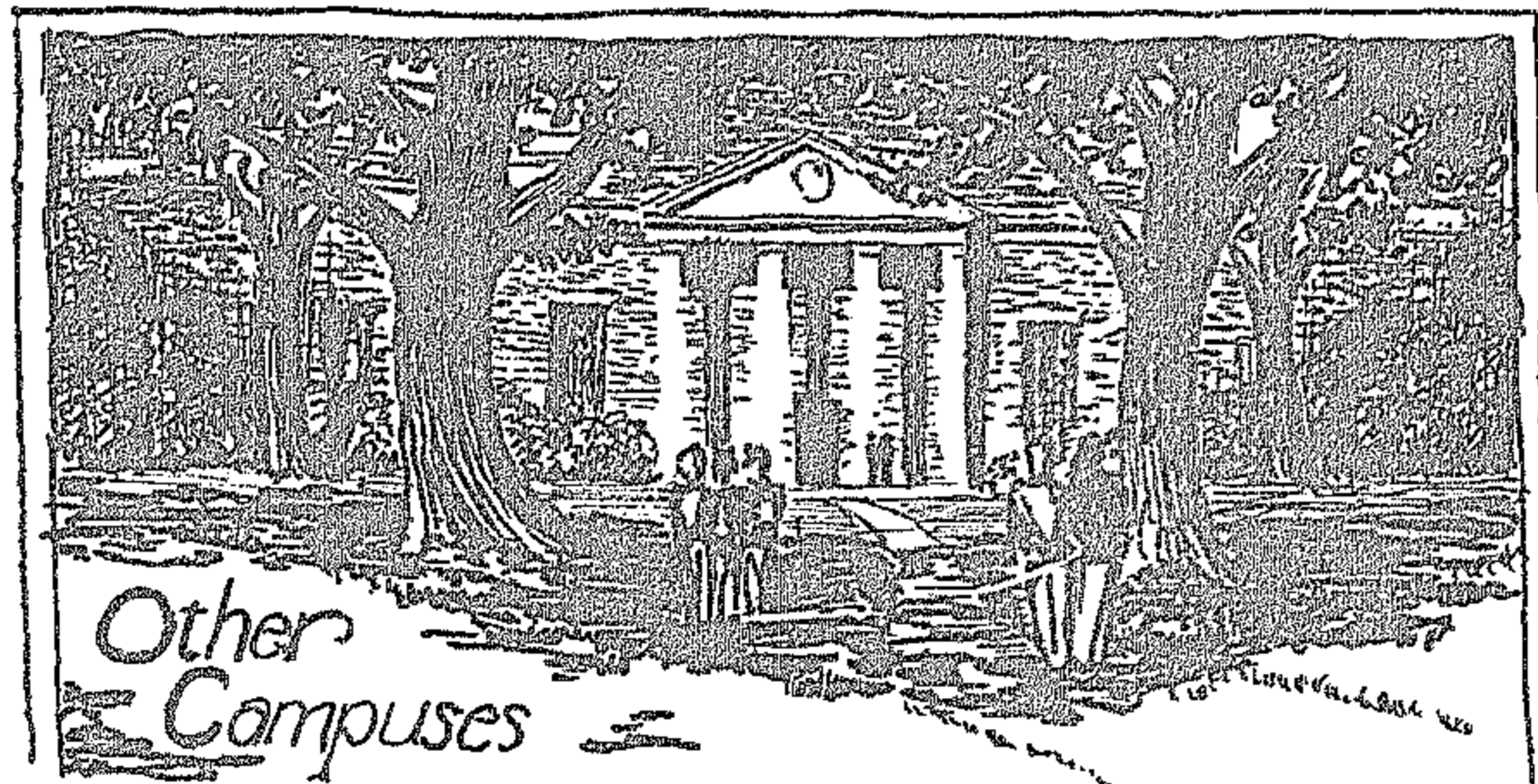
Are you a goon?—Goon where?—The Arx Dance, of course! It will be the notes, and they'll be sweet and melodious ones too. You will be pleasantly shocked to hear that it is going to be held at the Electric Club on the top floor of the Civic Opera Building. It's quite a fancy place and in addition to ample dance floor there are miles of lounge just in case you happen to be a better lounge than dancer.—One, two, three, yawn, stretch—now relax—see! Your arm is around her. After putting these in your head it will be an easy matter to extract \$1.50 from you for an informal evening's entertainment on Nov. 19. The bids will be on sale shortly—line up! (roll over and bark too).

Stretching, in a less interesting way than lounge-stretching, is going to be done by the freshmen when they are initiated Friday, October 29. Their stretch will be toward their toes in order to make an unmissable target for some slightly sadistic minded upper classmen. Afterwards a department smoker will be held with refreshments for sore armed dignitaries (?) and their sore victims. Everybody is requested to attend.

Please, please, hand in your summer sketches! and if you do maybe Kliphardt will tell you why he is lamenting that his parents raised him right. There's a dandy on Osterman, too, that you'll hear about next week. Don't let your tongue hang out . . . !

ART GUM.

C. W. Dunbar . . . What do those freshmen see in me?  
J. Masin . . . Woof, woof!!



An anonymous contribution from Adrian College: "Going around with women keeps me young. I started going with them four years ago when I was a freshman—and I'm still a freshman."

The ordinance department of the U. S. Army has established a complete precision gage laboratory in the New York University college of engineering. It contains instruments that measure up to 3/1,000,000 of an inch. Now take our slide-rule . . .

In their annual Night-shirt Parade, University of Kansas masses march through the business district in night-shirts, pajamas, long-underwear, and similar garments to eventually rally 'round the bonfire in the park, becoming instilled with the necessary spirit to spur the football team to victory.

And from "Collegiana" comes a boost for the originality, not intel-

ligence, of freshmen. Psychological tests at Michigan State College indicate that a freshman's mind is often a weird affair. A five-letter word for money, goods or estates which a woman brings to her husband in marriage is torso, according to one frosh; a man who believes in one God is a Democrat, declares another.

"Oscar," a beautifully revolting queen catapillar, was the mascot-elect of the class of 1941 at Northwestern University before his strange disappearance from the campus. His admirers suspect the worst.

"Old Prince," a 22-year-old horse of the R.O.T.C. stables at Ohio State University, didn't sow any wild oats. He just broke into the feed bin one night and crammed down all the oats he could eat. Next morning stomach trouble killed him.

An innovation in gate-crashing:

After sophomores at Purdue rode down the Union dumbwaiter in order to gain admittance to the freshman mixer in the Union ballroom, they were bounced in spite of their ingenuity!

To be the only male in the home economics course at Purdue is the happy lot of a freshman dietician. He is required to wear a pink powder-puff sewed to the top of his freshman cap. Gosh!

Discovering he was a man, the Delta Delta Delta sorority chapter at Butler University struck Joy Linely's name from the rushing list. He had received a number of invitations to parties from sorority chairmen.

A campus bank at Rutgers University makes small loans to students at about one-third the legal rate of interest. It is run by undergraduates in the money and banking course for practical experience.

Using your head may be all right as far as it goes, but these are times when using another's is far healthier. Five thousand human and animal brains form part of the "equipment" at the brain research institute of Georgetown University.

Two sets of twins at the University of Texas are causing students and officials considerable eye-rubbing these days. The Stamm twins, four of them, look so much alike that the Alpha Delta Pi sorority pledged them all at once to avoid confusion.

**"Roguary is never quiet"**

So said Chicago's chief of police in 1880—the year that city speeded up its war on crime with the world's first police telephone system. From that day to this, the telephone, the teletype and more recently police radio—an outgrowth of Bell telephone making—have made "roguary" harder and harder to get away with. Just one more way in which the telephone helps to make your life happier, broader, safer.

**BELL TELEPHONE SYSTEM**



# Eight Games Are Played As Touchball Tourney Enters Second Week of Play

## One Frosh Team Ousted But Three More Show Up

Opening the first week of touchball play, the junior firemen handed their fellow civils a 6-0 defeat last Monday morning. A short pass from Swanson to Finnegan at the close of the initial period cinched the victory for the insurance men.

The civils took the ball at midfield, but failed to click on their passes. The fireprotects made little yardage and gave the ball up to the civils, who at this time made the first threat of the game.

Prawdzik dropped back and heaved a long spiral which was snatched down by Tullgren on the five yard stripe. The fire-fighters held, however, and the hardy fieldmen were forced to lose ground rather than darken the end zone.

At the close of the half, Swanson opened the fire protect drive by snagging down a civil pass and sprinting to midfield. Two more plays brought them down to the 20 yard mark, from where the score was made. On this play, two laterals placed the ball in Swanson's hands, while a clear space in the end zone allowed Finnegan to snag the winning pass.

### Soph Chems Win 8-6

In a nice gentle game wherein the "ref." was blocked out and a sweet senior put on crutches, the sophomore chemicals succeeded in downing the senior electricals 8-6. The first half featured the play known as the kick, neither side having much advantage.

The second half brought out the real action of the game. Joe Grigas, playing heads-up ball, blocked the ref all the way to the sidelines. Then a long pass to Pinkus on the last down brought the ball to the seniors' two foot line. On the senior's first play Pinkus tagged the runner behind the goal line, to give the sophs a 2-0 lead.

Three downs later Palka heaved a pass the length of the field to Brown for the touchdown putting the seniors ahead 6-2. On the following kickoff Carpenter got the ball and passed to Natinchek. Grigas then put Brown on crutches with his vicious blocking and Natinchek went over for a touchdown. The electricals took the kick-off and in two passes to Palka brought the ball to the two yard line. They were still there when the game ended.

### Frosh "A" Lose to Senior Civils

The senior civils scored their first victory in the football tourney by pouncing on the frosh "A" team 18 to 0 last Tuesday. The frosh, unprepared played a fine defensive game in the field, but when the civil's pressure brought the ball near their goal, they would crack up, fumbling the pigskin and losing their defensive balance.

The first civil scoring opportunity came when Basile recovered a frosh fumble their 3 yard line and carried it over around right end on a fast running play. The civils took the ball soon again and marched deep into '41 territory but couldn't get any farther. The freshmen tried to kick out of trouble, but Basile grabbed the short kick and ran it back and over to make it 12-0. Braun did some fine passing, but the receivers couldn't hold on. However, the obliging freshman fumbled in their own end zone and the civils recovered to end the game at 18-0.

### F.P.E. '38-(6); C.E. '38-(0)

Last Wednesday the fire protect's '38 nipped the civils '38 in a game which featured fine defensive play by both aggregations. The teams were so evenly matched that victory could have gone either way if the breaks had come at the right time. The breaks of the game were with the actuarials because of the momentary lapse in defense on the part of the civils.

The civils came ever so close to scoring in the first half when a pass to Machulis was completed, but the latter was called offside by the referee on the one yard line, where the ball went to their opponents.

The fire protect's scored on a series of passes that should have been broken up. Much passing featured the game, but very few were completed to do any damage. These two teams were very good on defense but lacking on the offensive. No more scoring was done, leaving the final score at 6-0.

### Senior Mechs Score 30-0 Win

With customary zest the ferocious senior mechanicals trampled their opponents, the junior fire protect's, to the tune of a 30-0 score.

The first touchdown was scored on a short pass to Bingham and two more touchdowns followed in close succession by long passes from Seidenberg to Roche and to Engelthaler. After this scoring spree the mechanicals seemed to let down and the fire protect's under Swanson's leadership began an offensive which consisted chiefly of short bullet passes which bounced away from receivers. The half ended with no further score leaving the seniors with a lead of 18-0.

The second half saw a new senior team receive the kick-off and lose the ball on downs. The juniors continued a short fast passing attack, but a lack of competent receivers spoiled chances of scoring. Both teams held each other scoreless until the seniors put in the first team and the juniors back to their own goal line. A bad punt gave the mechanicals the ball in scoring territory, and after two tries a wide run and a short pass put the ball over. The seniors received the kickoff and with only 15 seconds to play Seidenberg threw a long, high pass to Roche who snatched it over the goal line with Swanson hanging over him. A final tally ran the count to 30-0 in the mech's favor.

### Soph Civils Tie Senior Elects

In a fast running and passing battle, the soph civils held the senior elects to a standstill last Thursday afternoon with a 6 to 6 tie.

Playing a steady back and forth game, the sophs had the better of the first half and were the first to cross the goal line. A fumble by Laise on an attempted end run, recovered by the sophs on their opponents 15 yard line, paved the way for the opening score. The touchdown was made when Weber of the Civils tossed a clean pass to Jaedtko who had merely to step over the line for the count.

In the second half the seniors brought forth a stronger and more enthusiastic team, making persistent threats on the soph goal throughout the period. They finally succeeded in entering the point column on a sleeper play from Gebel to Laise. The latter got free on the open side of the field, unnoticed by the sophs, and took a twelve yard pass from Gebel to tie things up at 6 all.

### Junior Chems Score 12-0

In a game featured by interception and wild passing the chem. engineers of '39, by tallying twice in the second half, subdued the soph. fire-protects Friday to the tune of 12 to 0.

During the first half the chems. showed their superiority although they did not score. On the opening kick-off the chems. took the ball over the goal only to have it called back by the referee. They also muffed numerous good scoring opportunities due to fumbles and lack of ability to display a scoring punch during the half.

With the start the second half, the chems. settled down to the business of winning the game. Their march to the goal line was stopped by another fumble, and at this point the fire protect's made their most threatening advance of the game after intercepting a pass. They marched to the goal line only to lose the ball on downs. After warding off that threat the chems. scored their first touchdown on a spot pass from Kruse to Lyckberg. The chems scored a few minutes later, again by the air. This time it was a long pass from Adeszko to Rothenberg for the second and final score of the game.

### Frosh Eliminated 18-0

The Medley Team, formerly the frosh "A" team, took their second loss, at the hands of he sophomore chemicals, 18-0, to be eliminated from the touchball tournament.

After kicking off, the chems promptly regained the ball by intercepting a pass on the frosh's first play. However, the medleys held the chems, and took possession of the ball after downs. Again on the first play medley's pass was intercepted, and the chems tossed a pass that went over the heads of the frosh secondary and into the arms of Faye, who trotted over the line for a touchdown.

From then on the battle was a see-saw affair, the medleys stopping the running attack of the sophs cold, and conversely the chems batting down the frosh's passes. It was on the last play of the first half that the chems scored their second touchdown. On a reverse, of which the chems had had quite a few, the old left hander, Carpenter, again threw to Faye, who snared it on the rebound from the fingers of the frosh secondary and jumped over the lime line.

In the second half the medleys advanced to the fifteen yard line, but another chem interception ended their march. From then on the game became another see-saw affair, except for the last touchdown which came as more or less of a joke.

### Schedule

YESTERDAY	
M. E. '38—Flashes	10:30
M. E. '39—Flying Skulls	11:30
F. P. E. '40—C. E. '39	2:10
TODAY	
Ch. E. '40—M. E. '39	11:30
C. E. '40—Austinites	1:10
E. E. '38—C. E. '38	2:10
WEDNESDAY	
Ch. E. '39—Flashes	8:30
F. E. P. '38—F. P. E. '39	10:30
THURSDAY	
Ch. E. '38—C. E. '40	8:30
Ch. E. '40—Austinites	1:10
FRIDAY	
M. E. '38—Ch. E. '39	10:30
E. E. '39—Ch. E. '38	2:10

## Soph Chems Lead First Week's Play With Two Tallies

With the completion of one week's play in the intramural touchball tourney, only one team, the frosh medleys, has dropped out due to two losses. The play was featured by some well fought games, the outstanding of which was the 6-6 tie between the junior civils and the senior elects. The sophomore chemicals also fought a good battle to defeat the senior elects, 6-0.

With the exception of the senior mechs 30-0 victory over the junior fire-protects, all of the games were featured by low scores and shut outs, although most of the teams did not make the most of their scoring opportunities.

### The standings for the week are:

	W.	L.	P.	O.	P.	T.
Chems. '40	2	0	26	6	0	1.000
Mechs. '38	1	0	30	0	0	1.000
F. P. E. '38	1	0	6	0	0	1.000
Ch. E. '39	1	0	12	0	0	1.000
C. E. '38	1	1	18	6	0	.500
F. P. E. '39	1	1	6	30	0	.500
C. E. '39	0	1	0	6	0	.000
E. E. '38	0	1	12	14	1	.000
F. P. E. '40	0	1	0	12	0	.000
Medleys	0	2	0	36	0	.000
C. E. '40	0	0	6	6	1	.000

## Tennis Matches in Third Bracket

Undaunted by the signs of frosty weather, the tennis tourney moved on to the third bracket, almost assuring a completion of the tourney. The upperclassmen's tourney is moving right along; however, the frosh are lagging in their play.

Palka qualified for the third round when he defeated Van Alsburg in two straight sets 60, 7-5. Kalnin eliminated Norkus after two sets 6-1, 7-5, which puts him in the third bracket. Johnson lost to Marsch, winning the first set 6-2 and losing the next two 2-6, 0-6. Gebel, a late entrant defeated his first opponent Sauerma in a close match 6-4, 6-3, and passed into the third bracket after defeating his second opponent, Miller, 7-5, 2-6, 6-2.

In the freshman tourney, Lange eliminated McAlear by overwhelming him in a one-sided match 6-2, 6-0. Frank passed on winning his match on a bye. In two close sets 6-4, 6-3, Avonow overpowered his adversary Oldsburg.

All racketeers are urged to play their matches and have the results tabulated as soon as possible inasmuch as unfavorable weather conditions are rapidly approaching. Awards will be made soon after the final matches have been completed.

## Wrestling Team Has Big Turnout

About forty boxers and an equal number of wrestlers are working out nightly getting in shape for their coming boxing and wrestling matches. The schedules of the two teams have not been definitely arranged, but the opposition has been booked already. A new entry on the schedule for both teams is Lawrence College of Appleton, Wisconsin. Last year against practically the same opposition as is on this year's schedule, the wrestling team came out on top in eight contests while tasting defeat only three times. Also, as in previous years, a squad of 15 men will enter the novice division of the Golden Gloves Tourney.

The six returning lettermen form a nucleus for the wrestling team, but there are some promising prospects who will give the lettermen a good battle. The boxing team has about 25 men who have never had gloves on trying for berths, in addition to about 15 men with previous experience. Coach Weissman makes it plain that all weights are open, and that he wants all the men that he can get.

Plans are going forward for the annual boxing tournament under the direction of Coach Weissman. A man need not be out for the team in order to enter. The present plans for the tourney call for it to be run off during the first week in December.

## Meaning of 1890 Adjective 'Prim' Does Not Fit in '37

Austin, Texas—(ACP) — "Prim" was the adjective applied to coeds back in the 1890's—at least by the masculine contingent at the University of Texas. Coeds now, with their impatience with the 11 p.m. curfew in force on the campus, are a far cry from earlier sisters who were bold even to attend a coeducational school.

Here are a few of the regulations concerning that incredible creature, the "prim" coed:

- (1) It was extremely improper to be seen walking, on an afternoon, in the park with a masculine fellow-student.
- (2) The height in refined entertainment consisted in getting together a few guitars and mandolins, some members of the girls glee-club, a few—very few—sterling young men, plenty of chaperones including the dean of women, chartering a boat and going for an afternoon cruise up the river. And it meant home by sunset!
- (3) Girls who were invited to eat at the "ladies table" in the men's dining hall were accompanied by the dean of women.
- (4) Young men and women were kept apart except on a few gala occasions, when the chaperones took their duties seriously.

## Dr. Kinter Gives Talk on Superphosphates

"The Manufacture of Superphosphates" provided the topic for a highly interesting and informative talk presented by Dr. Robert C. Kinter at a meeting of the A.I.Ch.E., Armour student branch, last Friday.

Dr. Kinter, who is a recent addition to the Armour faculty, drew upon his own experiences in operating a superphosphate plant in the South during the war. He was therefore able to present a clear bird's eye view of the process and some of the problems involved in carrying out operations.

Having shown the importance of superphosphates in fertilizers, Dr. Kinter went on to analyze the chemical reactions involved in treating phosphate rock with sulfuric acid to obtain superphosphates. Using a plant with a production of 100 tons per day for illustration, he next traced the flow of materials through the plant including a description of the major pieces of equipment, so that the process could be more clearly visualized.

## Group A Returns to School; Group B Leaves for Work

Group A of the co-ops resumed studies yesterday under the supervision of Professor Lease, after a week's vacation. Group B went back to work last Monday, having concluded their stay with a banquet. The latter section established itself as an active group in Armour affairs, and they expressed a desire for the incoming group to assume the places in extra-curricular activities left vacant by their departure.

The cooperative students alternate eight-week periods of work and studies with a week's vacation at the end of each complete cycle. The mechanical co-op group will soon be supplemented by an electrical co-op class following the same plan.

## Civil Camp Pictures Shown at W.S.E. Meeting Friday

"Fun in every foot" was the promise made of the Civil camp movies which were presented by the Armour branch of the Western Society of Engineers last Friday morning. The movies were taken by Professor S. M. Spears during the last two camp sessions and lived up to the promise according to those who attended the meeting.

Upon the conclusion of the movies, President W. F. Schlax made known that rooms are to be provided for the students of the Civil Engineering department. The rooms are located on the third floor, last entrance, of Chapin all across from the filtration laboratories. As yet the rooms are not habitable, "but", said President Schlax, "if the members co-operate, the rooms should be in condition inside of six weeks." The school is providing these rooms as a recreation center and a study hall for the members of the Civil Engineering Department.

## Like Draws Like And Not Opposite

(ACP)—The old saw about opposites attracting each other in affairs of the heart is just the exception that proves the rule, science has decided.

Dr. E. Lowell Kelly of Connecticut State college is piling up evidence that like attracts like when it comes to matrimony. This attraction of likes is most pronounced in the matter of physical traits, with blondes being attracted to blondes, athletic men favoring athletically inclined women, and men of sedentary inclinations finding small women to their liking.

Love, on the basis of Dr. Kelly's findings, affects the judgment of women more than that of men. The women were inclined to over-rate their men's handsomeness, but the men came closer to the mark in judging the beauty of their women.

## Prof. Finnegan Speaks at Bowen High School

First indication that the Armour Institute radio broadcasts are bearing fruit appeared this week when Professor Joseph B. Finnegan was asked to speak before the Chemists' Club of Bowen High School in Chicago. Members of this organization heard and were deeply impressed by the broadcast of Saturday night, Oct. 9, in which Professor Finnegan, guest scientist of the program, outlined the fire protection engineering course at Armour and qualified the need of Fire Protection Engineers by citing the important problems in this field that confronts them.

The officers of the Chemists' Club at Bowen High School contacted Professor Finnegan with the result that he will address this organization next Friday, Oct. 22, at the high school. What the members of the club are mainly interested in is twofold: the training necessary to become a fire protection engineer, and the character of his work. Professor Finnegan will confine his talk to a discussion of these phases of Fire Protection Engineering.

## Around Washington

### By Marvin Cox

Washington, D. C.—College students continue to be among the recipients of Federal benefits along with farmers, the unemployed, the aged, the blind and other groups that are on the receiving end of Federal aid.

Slightly over \$10,000,000 will go to college students and the remainder to high school boys and girls. This \$10,000,000, if paid out in the form of scholarships, would provide \$500 a piece for 20,000 college students. However, being distributed, as it will be, in amounts of about \$15 a month, this sum will help pay the bills of around 75,000 young men and women during the current academic year.

This \$20,000,000 allocation for students, however, doesn't satisfy all of them. William W. Hinckley, president of the American Youth Congress, states that his organization will continue to battle for the passage of the American Youth Act.

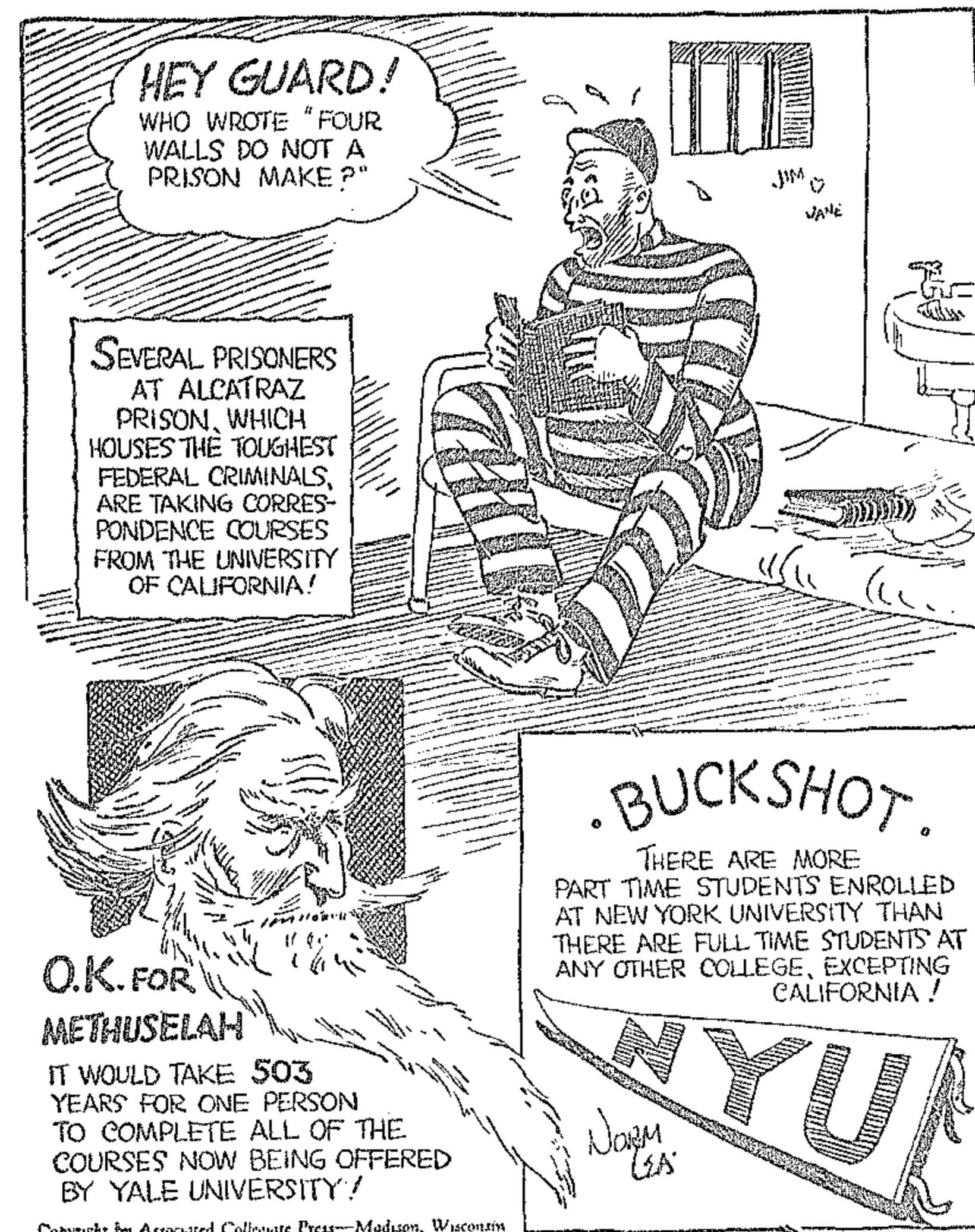
This proposed legislation, introduced during the last session of Congress, would appropriate \$500,000,000 for the aid of young people.

Five years ago, if someone had suggested a Federal appropriation for college students, the idea would have been ridiculed and its sponsor denounced as a Communist, Socialist, Demagogue and enemy of the people. Now, however, the idea of Federal aid for college students is generally accepted.

There is one important factor in considering the subject of Federal appropriations for the benefit of young people. The government is borrowing money to spend on them, but this same generation that is receiving the money will also have to pay it back.

The old folks who are getting Federal benefits that are paid for with borrowed cash will pass the debt along to younger generations. The young people, however, do not have this advantage.

The current college generation will live long enough to have their sleep disturbed by the sound of government bonds falling due in the years to come.





## Dr. Hotchkiss Bids Students Farewell

### Tells of Advances Made During Leadership Since 1933

(Continued from page one)

ward with material resources adequately to insure stability, progress, and the fullest realization of this opportunity."

With you and with all the Armour students who preceded you, I am proud of the forty years of Armour history before I came here in January, 1933. Similarly, I am sure you and those earlier students will share with me, and with the faculty and trustees, the pride we all feel in the progress we have jointly been able to make in the years just past. We all rejoice and you rejoice in a student body this year larger and more carefully selected than has ever come to Armour before.

#### 2,000 in Evening Division

We are happy together in the initiative which General Hammond, Mr. Lease, Dean Heald, Professor Huntly, and others took in providing through the Cooperative Course an opportunity for a group of picked young men to secure an engineering education at Armour without postponing their entrance into industry. More than 180 such men are now enjoying that opportunity.

Equally, we are happy that the Evening Division makes it possible for more than 2,000 men to come to Armour at the same time they are earning a living in regular day-time employment. Although the numbers in the Graduate Division are not yet so impressive as those just given, we are all proud of the fact that those students whose undergraduate course here or elsewhere has indicated that they should continue with graduate work now have ample opportunity to do this at Armour, under distinguished leadership, both in the Day and the Evening Division. Finally, it is a matter of pride with us all that under Armour leadership, foundations have been laid for making Chicago an important center of engineering research.

#### Physical Improvements

And there are other things of which Armour students are proud. They are proud that our engineering shops, under the able direction of Dr. Pearl, are a model for other engineering schools. They are proud that the various curricula at Armour are abreast of the best standards in engineering education, both professionally and culturally. They are proud of our high standards of teaching, which have been brought about through enrichment of teaching personnel and through a progressive adjustment of teaching loads so as to bring out the best talents of the members of the staff.

While much remains to be done with our plant, improvements in classrooms and equipment during the past few years have been notable, and in the planting and maintenance of the grounds, we have been gradually raising the standards of sightliness which influence so greatly the atmosphere of a college.

It would be just as superfluous to enumerate further the items of progress during the past few years as it would to try to list the many virtues which Armour has brought down to us of this generation out of all the past years of its history. Suffice it to say that out of all those past years and these more recent years, we have an Armour ready and eager to take the next steps forward.

#### Still His Affection

In extending this greeting to the men of Armour and in sharing with them the pride which they all feel in their school, I am not going to bid them farewell for, wherever I may be and to whatever extent the work in which I am engaged may command my enthusiasm, my affection for Armour will not lessen. The years at Armour are now an integral part of my life, and I shall always be happy when opportunity comes to serve Armour and to help as I can those who are taking up the burdens which I lay down.

I can only close as I began with greeting and most earnest good wishes for Armour students of today, for students of other days, and for those who may come to Armour in the years ahead.

WILLARD E. HOTCHKISS.



By Al N. Schrieber

With steadfast persistence War continues to play the major role in World Drama. Last week in his fireside chat President Roosevelt spoke the cue by which the United States will enter the coming World War, saying, "... Nor can we view with indifference the destruction of civilized values throughout the world. ... We seek ... the continuance of world civilization in order that American civilization may continue to be invigorated by the achievements of civilized men and women in the rest of the world."

War is the discontinuance of world civilization, and if war breaks out America will again fight for "civilized values."

#### Playing Poker

Of course this presumes that war is definitely approaching. Is his a justified assumption? Each nation is arming itself at a terrific pace—for defense protection. If all are on the defensive and no one wants to fight, however, we can not have a war. In fact several nations have violated treaties that could easily be the pretext for war, but everyone claims to be on the defensive and so no holocaust has started—yet.

On the face of it, it is just a big game of bluff. Everyone is armed, the starting sparks for war are present, and yet nothing happens. Why? The country that starts the next war wants to be sure it can win, and no one has the self-confidence at the present time to call the next nation's bluff. What a poker game!

#### Metallic Beast

An authoritative British military historian, Maj. Gen. J. F. C. Fuller,

## Fuel Injectors for Diesel Engines Is A.S.M.E. Topic

Last Friday at 10:30 in Science Hall the A.S.M.E. heard a talk on "The Bosch System of Fuel Injectors for Diesel Engines" given by Mr. Friedrich Behrens of the United American Bosch Corporation.

Following a brief business meeting in which the membership committee was introduced, Mr. Behrens explained the Bosch system of injectors, with the aid of slides, models, and diagrams.

has stated that "The Metallic Beast of Europe's own engendering has got her by the throat" and that this Frankenstein monster is going to call the bluff. Rearmament has solved the European unemployment problem to where there is actually a shortage of skilled man-power with world prosperity "literally buttressed up by big guns." Remove this condition and economic chaos will result with internal revolutions. Therefore, if weapon production is continued the military surplus being created will have to be consumed and that means war.

It is a vicious circle of no war with internal explosions or war with external explosions. Fascistic countries will not allow an internal explosion to come, so all we can hope for is that its next war will be speedily over with a minimum loss of lives and resources.

#### Neutral U. S.

How will America fit into the picture? A current survey by *Fortune* reveals that one-half of America believes that there will be a major war within three years, but only one-fourth think the United States will be drawn in. In spite of that, however, over three-fourths desire a strong army and navy so that no one will dare attack us. In general the American public is neutral or indifferent to foreign countries, as long as they

## Lease and Krathwohl to Speak at Y.M.C.A.

Mr. L. J. Lease and Dr. W. C. Krathwohl will present papers at the monthly meeting of Phi Delta Kappa, the professional fraternity in education, tonight at six o'clock at the Central Y.M.C.A.

"The Armour Cooperative Plan" is Mr. Lease's topic. He will explain the purpose of the plan and discuss its success and future possibilities at Armour. As coordinator of the cooperative plan, Mr. Lease has the problem of harmonizing the interests of the students, the school, and industry.

Dr. Krathwohl will talk on "The Effect of Selective Admission as Exemplified by Cooperative Students." His paper will describe how students taking the course must be selected particularly for educational qualifications since they should finish the five year course without a single failure.

leave us alone. Thus America's sympathies will not depend on the American public opinion, but upon the opinion of our leaders.

In his recent speech President Roosevelt assumed the responsibility for that leadership, and emphasized his ability by his experience in the last war. Most of the rest of America's international leaders, namely in the diplomatic service, are putrid. Our half of those in the service are political appointees unfit for their position, and those that are capable have been assigned to countries in South America. With such a situation can democracy properly defend itself?

The President also said that although democracies are slow, America is not too slow to see vital problems before it is too late. He has called a special session of Congress to convene November 15 to solve America's present vital problems.

## Starving Students Stifle Sobs; All Agree Lunchroom Could Be Bigger

By R. Perry

Perhaps they just don't realize; perhaps they just don't care, (sob). But they'll be sorry when they begin tripping over a steadily increasing pile of collapsed and incapacitated students at the lunchroom door. Little pathetic crumpled heaps of freshmen, and larger piles of upperclassmen with insignia draped watch chains like a pennant strung cruiser signaling, "Hardastarboard-if-the-m a p s-are-correct-we-are-now-cruising-by-the-oasis-of-aetoin-s h r d l u." Perhaps if they are lost to all of the common humanities they may be moved by the thought of the effect such a sight would have on visitors. It is generally understood that the experience of tripping over a body is an unpleasant one, especially a hunger-stricken body. People in the know state that it is much more preferable to stumble on those who were stricken down in almost any other manner. "Ugh!" the prospective student will say in a voice vibrant with emotion, "I shall avoid this place. They have no understanding of the comfort due guests. NO," he will say, "I shall not attend here."

One comes happy and bright and ravenous, but ravenous, from a calculus quiz and springing blithely through the doorway of the student union into an atmosphere of tantalizing odors from delicacies prepared by the incomparable staff is brought to a standstill by the notable lack of places wherein to put it down. Now it is an established fact that, Hunger = Appetite + time, so it is only by exercise of the will that darkly subversive ideas that the whole thing is arranged in order to increase receipts are suppressed. And being suppressed the injustice of Cafeteria service is brought home, and on further standing without lunch the injustice of quizzes is brought home; in fact, if one stands

long enough the fallacy of bothering with an education at all is clearly illuminated.

## Four Tech Delegates at Press Convention

On last Thursday, Friday and Saturday the Associated Collegiate Press held their annual convention at the Medinah Club. The representatives of Armour were L. B. Parker and J. D. Sheehan, co-editors of the *News*, I. L. Thomas, business manager of the *News*, and L. Lange, editor of the *Cycle*.

This convention, from the standpoint of total attendance, number of publications represented, number of colleges and universities represented, geographical distribution of delegates, and comprehensiveness of the program offered, was an outstanding event.

At the registration the delegates received badges which identified them for all the following events. Thursday's activities consisted of a series of inspection trips to the various plants associated with printing in and about the city. Round table discussions, a luncheon, a convention banquet, a floor show from the Medinah Club's Tallyho room, and the Convention Dance in the Grand Ball Room comprised the activities for Friday.

The convention ended on Saturday about noon following an address, "The Press, Free for Whom and for What?" by Howard Vincent O'Brien, the editorial columnist of the *Chicago Daily News*.

Friday evening, the delegates attended a banquet and dance in the Grand Ballroom. Dusty Miller, publisher from Wilmington, Ohio, described people as being of three types the "I know", "Is that so", and "Let's Go". He asked for sportsmanship in writing.

"What's your pick  
for the ALL-STAR...Eddie"

"That's a cinch Paul  
...I'm 100% right  
on this one"

With smokers in every part of the country Chesterfields stand ace high.

It's a cinch they've got what smokers like. You'll find them milder... you'll enjoy that Chesterfield taste.

# Chesterfield

...Ace of them all  
for MILDNESS and TASTE

Get your last minute football predictions and scores from EDDIE DOOLEY with PAUL DOUGLAS Thursdays and Saturdays Columbia Network