

## JOHN SCHOMMER YEARLY UMPIRES FAMOUS KY. GAME

Louisville Grid Contest Called Yale-Harvard of High Schools

### MALE HIGH VS. MANUAL TRAIN.

For the sixth consecutive year, John Schommer, Professor of Industrial Chemistry and football official, will umpire the annual Thanksgiving football game between Male High and Dupont Manual Training High schools of Louisville, Kentucky. According to "John," this is for him the most interesting game of the year.

He says: "This is the Yale-Harvard game of the high schools of the country. Rivalry between the schools is very intense, and the boys fight to the last ditch. This one game means more to them than all the rest of the season put together. A fine calibre of football is played, quick, brainy, headwork is shown, and though of course the teams are light, they make up for it in speed. Last year, over thirty thousand people attended the game, and this year more are expected. This game rates as a big social event in that section, and people from all the state attend."

"The officials receive wonderful treatment from the schools, though last year, and the year before last, I was forced to call decisions that cost a team the victory. All the officials are men who officiate in the Big Ten games. The officials last year and also this year are Joe Magadsohn, Shorty Ray, John Griffith, and myself."

"Six years ago just before Thanksgiving, I received a phone call from Arnon (of Minnesota) from Louisville asking me if I could officiate in the Male-Manual game there. I already had an engagement to umpire a Thanksgiving game in Detroit, but I told him that I would be glad to go there the following year if he wanted me. It appears they had been having some difficulties over the decisions the officials had made in previous years. The next year I went down, and have been going every year since then. Evidently we must be giving satisfactory results, for they willingly pay me \$100 and expenses for the one game, and the other officials likewise receive remuneration in comparison."

## Garbett Chosen To Coach Boxing Team

Ralph Garbett, '28, has been appointed boxing coach for the coming season. Garbett is well qualified to hold this important position, as he has trained under some of the best coaches in Chicago, and also has had a wealth of experience in the amateur ring.

Captain M. C. Larkin, '30, who underwent an operation for appendicitis a few weeks ago is back again and hopes to be able to enter the ring for the first match some time in January providing he will be in shape.

Briggs, Buehling, Jammer and Whitfield of last year's team are working out regularly and show considerable improvement in their condition. With these four men and possibly Captain Larkin to form the backbone of the team and the new men, Bryant and Nelson, who show promise, a successful season is in store.

So far the meets which are practically arranged are: Culver, West Side Y. M. C. A., and South Chicago Y. M. C. A. The exact dates for these matches will be published as soon as known. It is expected that half of the matches will be held at home.

The evenings for workouts have been definitely settled for Tuesday and Thursday from 5 to 7. Coach Garbett is anxious to have some 110 or 112 lb. men turn out for the fly-weight class.

### SCHOOL CALENDAR

Thursday, Nov. 22:  
4:30 p. m., Sophomore Class Basketball Practice.  
5:00 p. m., Glee Club Rehearsal.  
Saturday, Nov. 24:  
Cross-Country Meet at Washington Park.  
Monday, Nov. 26:  
10:30 a. m., ARMOUR ENGINEER distributed.  
4:30 p. m., Senior Class Basketball Practice.  
5:00 p. m., Staff Meeting of ARMOUR TECH NEWS. New men urged to report.  
Tuesday, Nov. 27:  
3:00 p. m., Rifle Meet at Lane.  
Wednesday, Nov. 28:  
5:00 p. m., Stresses and Strains Practice.  
Thursday, Nov. 29—Sat., Dec. 1:  
Thanksgiving Holidays.  
Tuesday, Dec. 4:  
First Scheduled Basketball Game, Crane vs. Armour.

## Senior Informal Is Successful Despite Inclement Weather

The first of the class dances of the year, that of the seniors, was held last Friday night at the Lake Shore Athletic Club. According to an estimate of C. H. Johnson, Social Chairman, 290 couples attended, there being 255 tickets sold. The others were complimentary. The class made expenses and showed some small profit. As Cal says, "The dance was a social and a financial success."

ZeZ Confrey helped to entertain by playing his famous composition "Kitten on the Keys." Miss Mac Lennan, a professional dancer, did three solo numbers, Merry Widow Waltz, the Varsity Drag, and a tap dance.

The dancers assembled promptly at nine o'clock and stayed till 1:01. All reported a wonderful time, in spite of the inclement weather.

## 'Creative Thought' Talk Interests Assembly

Dr. John Herman Randall, Chairman of the World Unity Foundation and editor of the "World Unity Magazine," addressed the students at a general assembly held Thursday, November 15. His subject "Creative Thinking and How It Might Change the World," presented a plea for better understanding between the various races of the world.

Dr. Randall graphically illustrated the interdependence of the nations by referring to an article by a noted French economist regarding the daily life of the average Parisian gentleman. That individual is fed, clothed, and housed by products manufactured from raw materials from every corner of the world. With such a situation being representative of every nation due to the present social and economic systems, it is obvious that racial hatreds and international prejudices must be abolished before truly constructive work can be accomplished.

"Creative thinking, the faculty of seeing familiar objects and situations in new relations," said Dr. Randall, "offers a solution to these problems."

Dr. Randall is at present making a tour of the United States addressing college students and prominent civic organizations on similar topics.

## WLS To Broadcast Glee Club Program

Arrangements have been made with Station WLS for the presentation of a program by the Armour Tech Glee Club. The time set for this concert is Wednesday, December 12, at 9:30 P. M., when the club will be featured on the regular choral hour from their Hotel Sherman studio.

## Frank Oster Wins Appreciation From John T. McCutcheon For His Artistry

In the biographical sketch of Frank Oster, Custodian of Buildings, which was published in the issue of Oct. 4, mention was made of his remarkable hobby of making neatly bound scrapbooks on various interesting subjects. At that time it was stated that he was preparing a bound volume of John T. McCutcheon's story, "The Master of the World," which ran in serial form in the Sunday Tribune.

The unique volume is now completed and has been presented by "Frank" to Mr. John McCutcheon, who acknowledged its receipt with the following letter of appreciation written long-hand in his own hand writing:

Chicago, Nov. 6th.

My dear Mr. Oster:  
I am most deeply appreciative of the collection of "Master of the World" clippings, which you have gotten together in such an attractive manner, and I want to thank you most sincerely for sending it to me. I had the pleasure of showing it to my family last night and they were all delighted with it. Today or tomorrow I expect to show it to the editor of the Tribune.

As a slight evidence of my gratitude I am sending you a cartoon and a copy of one of my former stories, "An Heir at Large," which I wish you would accept with my very best wishes. While you may have read the story in the newspaper, perhaps you may wish to have it in book form. With my sincere thanks, I am,

Very truly,  
(Signed) JOHN T. McCUTCHEON.

"Frank" received the book, as well as the original of one of Mr. McCutcheon's masterful cartoons, all in good order, and has already put the cartoon in a suitable frame.

A while ago, "Frank" made a similar collection of a series of biographical stories of Harry Lauder, which appeared in the Saturday Evening Post in about eight installments.

After sending these to Mr. Lauder, "Frank" received in reply a very interesting letter of appreciation, also in the personal hand writing of the famous singer, in which he was invited to attend the evening performance of Harry Lauder's recital that was to be rendered that day. True to his Scotch instincts, however, there were no tickets enclosed in the letter.

## Radio Students See "Majestic" Receiver Made; Inspect Factory

Twenty-eight seniors from Professor Wilcox's radio class made an inspection trip on Wednesday, November 14, to Grigsby-Grunow Company, manufacturers of the Majestic Radio set.

At the Armitage Avenue plant the men saw punch presses stamping out sheet metal chassis; transformers both air and iron core, being wound, assembled, and tested, and other parts being constructed.

A machine that interested the men was the one which chrome-plated the chassis. This machine cleans, washes, plates, and air-dries the chassis without being touched by human hand.

At the Dickens Street plant the cabinets are assembled and finished, the power packs assembled and the set placed in the cabinet and given the final test.

Just before the conclusion of the inspection of the Armitage Avenue plant, Mr. M. W. Kenny, assistant chief engineer, gave a talk on the operation of a microvolter. This instrument measures the output and input of the sets. He also stated that considerable use is made of vacuum tube voltmeters in the testing of the various parts.

## Notables Attend Fisk St. Plant Anniversary

President Raymond, Dean Penn, and Professors Gebhardt and Freeman were among the four hundred leaders of the engineering, educational, and financial fields of the middle west who gathered on Wednesday, November 14, at a reception held to commemorate the twenty-fifth anniversary of the opening of the Fisk Street generating station of the Commonwealth Edison Co.

Samuel Insull, one of the speakers, told of the station's beginning. One of the first 5000 kw. turbo-generators in the country was installed. There was much controversy as to whether this would work efficiently. The General Electric Co., manufacturers of the apparatus, agreed that the turbine need not be paid for if it did not give satisfactory service. In this event, reciprocating engines were to be employed.

Today, only twenty-five years later, turbines with capacities as large as 200,000 kw. are being used to drive electric generators, showing the tremendous growth of the electrical and mechanical engineering profession in that period.

## A. A. Stagg, Jr. Sets Indoor Track Start For Middle December

A. A. Stagg, Jr., coach of track, has announced that the practice for the indoor track season will start December 15, in Bartlett Gymnasium of the University of Chicago, at 57th and University. Plans are being made to send a team to the Illinois Relays held at Urbana about the first of March, and to the Drake Relays held at Des Moines, Iowa. There will be indoor meets with Crane College, and probably with Chicago Normal. Entries will be made in the Bankers' Meet held at Northwestern University, and other local meets as opportunity presents itself.

Armour has the nucleus of its last year's team back this year. Deiwert and Payne, star distance men; Tracy and Skaar, sprinters; Bob Brown, pole vaulter; and Eichen, a jumper, have all graduated. Paul, the stellar shot putter, is back, and in better form than ever. Sturm and Fox are planning on a big year in the sprints; Captain Kara is trying the hurdles again; Iverson and Timmermans are training now for the middle distances, while Montesano and Smith are out for the distance runs. The team is badly in need of field men, those who can throw the discus or the javelin. Jumpers are needed as are pole vaulters.

(Continued on page 4)

## Television Display For A.I.E.E. Future Meet'g

At a joint meeting of the Armour Radio Association and the A. I. E. E. to be held December 10 at 11:30 in Science Hall, Mr. U. G. Sonabria of the Carter Radio Company will speak on television. He will demonstrate a television set made by the company he represents that was on exhibit in the New York and Chicago Radio shows. Station WIBO is to broadcast a special television program for this demonstration.

### DEAN PENN IN HOBOKEN

Dean J. C. Penn left Tuesday afternoon for New York, from where he will go to the Stevens Institute of Technology at Hoboken, N. J., to attend the inauguration of the new president of that institution.

The president-elect is Dr. Harvey Nathaniel Davis. Dean Penn will return to Chicago Monday.

### ANNOUNCEMENT

There will be no issue of the ARMOUR TECH NEWS next week on account of the Thanksgiving holidays. Classes will be excused on Thursday, Friday, and Saturday, November 29, 30, and December 1.

The next issue of the NEWS, No. 11 of Vol. II., will appear on Thursday, Dec. 6. The following is the tentative schedule of publication for the remainder of the semester:

Number 11.....	December 6
Number 12.....	December 13
Number 13.....	December 20
(Christmas holidays intervening.)	
Number 14.....	January 10
Number 15.....	January 17
Number 16.....	January 24
Number 17.....	January 31

## Frosh Smoker Date Is Fixed At Wednesday Evening, December 12

The projected freshman smoker is to be held December 12, from 7:30 until 10:30, at the headquarters of the Western Society of Engineers, through the courtesy of Mr. Edgar S. Nethercut, the secretary of the organization.

The rooms of the society are on the twelfth floor of the new engineering building at Wacker Drive and Wells St. Since the date falls on a Wednesday, the Deans' office announces there will be no homework for freshmen on the following day.

The use of the rooms has been donated to the freshman class by Western Society in hope that the prospective Engineers will become acquainted with the activities of this Engineering Organization and later become junior or active members.

As yet plans for the entertainment have not been divulged by the social committee.

## Prof. Libby Drives To Kentucky Convention

Edwin S. Libby, Associate Professor of Experimental Engineering, is attending the convention of the National Association of Practical Refrigeration Engineers now in session at Louisville, Kentucky. The convention began yesterday morning and is to continue until tomorrow evening.

Professor Libby is the secretary of the Educational Committee of the association, and in this connection he has been responsible for much valuable work in the promotion of the educational interests of the organization. Many booklets and pamphlets on elementary mechanics and on engineering principles underlying the subject of refrigeration, have been published under his direction and have been widely circulated among refrigeration experts, several of whom have not had the advantage of an engineering education. He is also in charge of the program of the present convention.

Professor Libby made the trip to Louisville by auto, and before returning, expects to tour into the southern part of the state on a visit to the Mammoth Caves, which are located about 100 miles south of Louisville. He will return Monday.

## 35 Receive More Than Four 'Valentines' Each

Thirty-five students were the recipients of more than four "flunk notices." Of these, only three were students who had been on the probation list at the beginning of the semester. All other probation students came through with good improvement.

Whenever a student is failing in more than four subjects, the notices are sent to his parents for their information.

## CLASS BASKET TEAMS PRIMED FOR INTER-PLAY

### Seniors Favored To Walk Off With Clean Victory

### FROSH, SOPHS PREDICT UPSETS

It's only a matter of days now when inter-class basketball will assume the spotlight of athletic interest in the school. The four class teams have already wound into action during the practice sessions held this week, and promise to be fully developed to settle their superiority claims in decisive fashion.

### Seniors Favored To Win

The stately seniors loom up as the prospective conquerors of class laurels. These frisky performers took all other opponents into camp last winter and since they have lost no players this season, are averse to taking any setbacks.

Thus the present forecast favors the seniors, while the freshman, sophomores, and juniors are considered as contingent possibilities. But if the coming embroilment was to be as one sided as that, there would be no need of staging these hardwood emulations.

### Under Classmen Promising

A peek into the Armour while these determined basketballers were fighting to win a berth on the class teams, revealed that this season's inter-class competition is doomed to feature some furious court entanglements.

Vic Taylor's freshman squad, composed of 40 members, featuring such cappers as Laden, Heller, Schmidt, Musick, Carlson, Billings, Burnett, and Wierzbowski, looms up to be more than just a mere possibility in the struggle.

Ted Schueler's sophomores too are by no means dark horses in the race and appear very promising. These mentors will guide the destinies of the under class men and are united in determination to give the upper classes a trouncing and then settle the dispute among themselves in the finals.

Juniors and Seniors Optimistic  
Manager H. W. Faulstich with his juniors, and John Bady, pilot of the seniors will undoubtedly have a big laugh up their sleeves when they hear of the under classmen's intentions, for they look forward to the  
(Continued on page 4)

## "Engineer" Appears Mon. With 40 Pages

A forty page issue of the Armour Engineer instead of the usual thirty-six page will be distributed next Monday, November 26. Architectural students that are unable to receive their copies at school will obtain them from R. Pichietti at the Art Institute.

Pumping Station as Cover Design  
The cover design is a rendering of the Wm. Hale Thompson Pumping Station which illustrates a feature article by M. E. Golber. '29. This station which is claimed to be the largest in the world, has a daily capacity of 75 million gallons.

Article on Chromium Plating  
The method of obtaining the chromium plate which is so widely used at the present time is reviewed and explained in detail in an article on this subject by I. G. Klein, '29. The first installment of a series of articles on "Hydraulic Turbines" by R. H. Earle, '17, is to be featured in this issue. Mr. Earle at present is working as assistant engineer on hydraulic turbines at the Allis-Chalmers Company.

Additional Features  
In addition there will be two pages of alumni news, two pages of college notes, and a humor section which promises something in the line of inventions that will rival those of Rube Goldberg.

**ARMOUR TECH NEWS**

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 Published Weekly During the College Year

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**WHEN THE STATE IS MOST  
 CORRUPT, THEN LAWS  
 ARE MOST MULTIPLIED.**  
 —Tacitus.

**Re The Forthcoming Valentines**

(Addressed to the Freshmen Only)

Obligingly, the Deans' Office has maintained a policy in the past of issuing a kindly warning to students who are failing in certain subjects, to save them the unpleasant experience of finding out the sad fact after it is too late to apply a remedy. These warnings, so-called "valentines," come regularly in the middle of the semester, and are now distributed.

If they serve only the purpose of informing the student of his low standing, these notices are of little avail, for it does not require any uncanny ability for a person to judge accurately for himself whether or not he is failing.

If, however, they simultaneously produce an incentive for harder study in that subject, then they are of value.

By no means do these notices predict who shall end up as "flunkers" in a given class. Many students fail at the end of the semester who stood high at the ten-week period. Others attain higher than average grades at the end who received "valentines" at the mid-semester.

The greatest difficulty of the Freshmen is to become thoroughly acquainted with and used to the customs and methods in vogue at Armour Tech. Probably more than anything else he misses the monthly report from the instructor of his grades at that time, under which system he was more than likely brought up at his high school. If such is the case then the notice of his low standing may be a shock to him.

The Thanksgiving holidays, coming next week, will afford a timely opportunity to regain one's footing. Laboratory reports, study assignments, back problems, can all be made up at that time. With the slate once clean, to keep it so should be comparatively easy. As Al Jolson would sing "It all depends on you."

**A Man's Thanksgiving**

God of commonsense, I give Thee thanks for the heavy blows of pain that drive me back from perilous ways into harmony with the laws of my being; for stinging whips of hunger and cold that urge to bitter strivings and glorious achievement; for steepness and roughness of the way and staunch virtues gained by climbing over jagged rocks of hardship and stumbling through dark and pathless sloughs of discouragement; for the acid blight of failure that has burned out of me all thought of easy victory and toughened my sinews for fiercer battles and greater triumphs; for mistakes I have made, and the priceless lessons I have learned from them; for disillusion and disappointment that have cleared my vision and spurred my desire; for strong appetites and passions and the power they give when under pressure and control; for my imperfections that give me the keen delight of striving toward perfection.

God of common good and human brotherhood, I give Thee thanks for siren songs of temptation that lure and entangle and the understanding of other men they reveal; for the weaknesses and failings of my neighbors and the joy of lending a helping hand; for my own shortcomings, sorrows, and loneliness, that give me a deeper sympathy for others; for ingratitude and misunderstanding and the gladness of service without other reward than self-expression.—Arthur W. Newcomb.

Let me offer you a creed—the creed of work. Young men, work! Life has no other reason for being, and each of us is here only to perform his task. I have always distrusted chimeras. Illusion is bad for a man or a people. The only strong men are the men who work. Work alone gives courage and faith. —Zola.

Great nations write their autobiographies in three manuscripts—the book of their deeds, the book of their words, and the book of their art. —Ruskin.

**"THE SLIPSTICK"**  
 Cleave to "The Slipstick"; let  
 the Slipstick fly where it may.

**FLEAS**

I think that I shall never see  
 An insect awful as a flea.

A flea whose hungry mouth is pressed  
 Against a man's great hairy chest.

A flea that bites and runs away  
 To live to bite another day.

A flea that does at all times dare  
 And spares not either hide or hair.

A flea that loves a juicy vein,  
 And intimately lives with pain.

Poems are made by fools like me,  
 But what can bite just like a flea?  
 —Mm By Gosh.

**Famous Accidents**

Cop: How did this accident happen?  
 Motorist: My wife fell asleep in the back seat.  
 —Freddie.

Seems that Professor Palmer and his big Franklin (air-cooled) were in the park last week when a nasty smash-up took place. The driver that caused the accident shot away and the motorcycle cop was questioning the other motorists if they saw the license number of the offender. Professor Palmer owned up that he had seen it, but that he couldn't remember what it was. Then, brightly, he said to the cop, "Oh, yes, I remember now that the cube root of the license number multiplied by fifty equals the sum of the digits reversed."

**Putting on Airs**

Student in the Cafeteria: Hey, I've found a tack in this doughnut!  
 Heller: Why, the conceited little thing! It must have thought it was a tire.

I am pleased to announce that the Slip-Stick has persuaded the celebrated scientist, Doctor G. K. Goobar, B.B.R. Ph. F. A. B. C., and other degrees, to answer questions asked of him by the curious. This feature will brighten your lives at spasmodic intervals.

Dear Doctor Goobar: My new super squeal "Iodine Six" has not of late brought in much DX. Please advise.

Answer, by Doctor Goobar: Try connecting the left grid to the middle leg of the parlor couch, and in series with a 10 volt baby carriage, using a length of pie dough. (Modulus of elasticity .000009756463). Massage the condensers and transformers daily with a 0.1 normal solution of Sloan's Liniment flavored with garlic (must be C. P.) Also try rejuvenating your batteries with Hodkin's original Swiss-hyena gland extract, known to the initiated chemists as mono-braino, delta 1-3-5 dihydroxy 4-7-signals over-hike- of the basic yapititi acid. If no better results are then obtained, any night between the hours of one and four, push the darn thing out the window. —J. G.

**Have You?**

What kind of a car have you got, Bailey?  
 I got a Wreck.  
 A Wreck?  
 Yeah. Every time I park it a dozen people come up and ask me if I've reported the accident yet.

**Ambition**

Student: I've added these figures ten times, sir.  
 Prof. Doubt: Fine, that's a good check.  
 Student: —and here's the ten answers, sir.

Say, Mr. Editor, how come the Inquiring Reporter is stealing my stuff. Here last week he goes and runs a lotta jokes about Armour grads getting rich.

And say, Mr. Editor, have you heard about what happened to the first of that infernal species? Seems he was interviewing Methuselah and asked him to what he attributed his old age. Methuselah thought a minute and then said, "Well, the fact that I was born over nine hundred years ago might have something to do with it."

**A Brief Tragedy**

Ruth rode in my new Buick  
 In the seat in back of me;  
 I took a bump at fifty-five  
 And rode on ruthlessly.

**The Local Salutation**

What struck you the first time you saw Chicago?  
 A blackjack.

Dere Al.  
 i wuz rEadin the eNguneerin news rekord in tha libbraRy aNd i cum across one uf tha Most vigerus oBjections tHat pasSed a censor. it sez:

**DON'T WANT ROAD  
 BY DAM SITE**

—westErner.

Professor Wilcox says as long as we put up monuments to the unknown dead in Arlington cemetery, it would be a good idea to put up a tablet to the unknown inventors of the wheel and the discoverer of fire. A good idea, professor; how would Science Hall do for a cemetery? —F. S., Jr.

Despite all worries, cheer up—just a week and we get a vacation, to say nothing of a little turkey 'n' trimmings. —AL AUERRACH.

**Book Reviews**

By JOEL M. JACOBSON

**"Old Man Dare's Talks to College Men"**

By Howard Bement  
 (Fleming H. Revell Co.)

It takes the sudden jar of a flunk notice to make a college man realize that it is about time to take stock of his position at school and make some radical changes in his study habits. Since the little printed reminders are about due, it is perhaps, the proper time to go over a little volume, newly arrived in the library, which may offer some valuable suggestions. Naturally, such a book as "Talks to College Men" is directed mainly at the freshman, the upper classmen being, in general, so fixed in their study habits that it is well nigh useless to attempt a change.

"What are you here for?" asks Old Man Dare. What is the average man's reason for attending college. Sports and social activities in the main, thinks the author, and scholarship on the side. College as a whole should have a triple purpose. It should develop the students' stamina, sympathy, and scholarship; "guts, heart, and head." Its success in so doing, is however, dependent on the individual. "Not one of you," says the Old Man, "ever thought out the three fold function of college, and ever aimed at a well rounded character. . . . The top floor with most of you is not built up at all; it's only a rough-hewn attic stored with useless lumber and junk which you have lugged in from a lot of college courses into which you put neither the stamina of persistent effort, nor the heart of sympathetic understanding."

After sustaining a continual bombardment for a full chapter, the college student, battered and torn, may well ask, "Why study at all?" Old Man Dare begins a second barrage of facts and figures gleaned from statistics from numerous American colleges. "Because success in college means success in business life; because success as a freshman means success as an upper classmen, and so all along the line."

It is my opinion that here at Armour we generally realize the need for study and probably do plenty of it even to the exclusion of social and athletic events. But the most efficient way to use our study time is as much of a problem at Armour as in other schools. Howard Bement gives

**LETTER-BOX**

**A DEFENSE OF ARTHUR TRAIN To The Letterbox:**

In a recent review of Arthur Train's latest novel, the reviewer began by confessing that he knew naught of Arthur Train and ended by condemning him. For so brief and probably short acquaintance, the judgment is severe.

Arthur Train is most widely known for his lengthy and popular series of stories wound around the character of Ephriam Tutt, lawyer. These stories have appeared in well-known magazines and also in book form. The surprising feature of the entire set of stories is the fact that the author can take a most technical legal case and make it interesting and absorbing, as well as educational. I readily confess he can sink a legal fact in your mind and leave it there for your use. His stories are always with an element of humor.

Every author has a dream of writing something different than his regular line, and I think "Ambition" is but the outbreak of it. Furthermore, I have spoken to people who have

as a whole chapter entitled "How to Study." It should be "How Not to Study." Barnyard animals may seem to us far removed from college students, yet Old Man Dare gives us an interesting comparison. . . . "ole hen, she race dis-a-way, an' den dat-a-way; an' den she turn an' run to de lef', an' den she turn and run to de right, an' den she turn an' run plumb under de wheel. . . . Some ob yo' studies like dat. Yo' rushes at subject' an den yo' rushes away from it, workin' like de debbil, an' jes' gettin' nowheres but under de wheel." Good advice it is true, but I am doubtful as to how much of it will do any good. Study habits are, after all, an individual problem and each man must work out his own case for himself. The problem will not be solved by observing a series of don'ts or following some set rules. Reading Howard Bement's little volume will not in itself change a flunker to an "A" man. Concentrated, earnest, and well directed effort are necessary in addition and it is my opinion that the student possessing such ability has no need of the book. On the student who cannot study properly, "Talks to College Men," can only impress the need for such effort, but can give but little concrete help.

read "Ambition" and they have reported favorably about the book, though not praising it as a great work. It distinctly reminds one of Train's earlier books written on the world war, wherein he leaves his safe and narrow path and ensnares himself in a plot devoid of interest. But do not condemn a man for a single book when his others are so interesting and well worth reading.  
 A. AUERRACH, '31.

To the Student Body, via the Letterbox:

Five students were "kicked out" of a Physics class on Monday morning for cheating on a quiz. This is not a fact about our school to make one proud. It is a startling fact. Five students in one class were caught committing acts of dishonesty. It makes one stop to think of the conditions involved. What caused these men to cheat? Why did they deliberately try to steal credit from the school?

But were they cheating the school or cheating themselves? Did they stop to realize that the aim of the faculty is not to get a nice set of quiz books, but to "put the staff across" to the students? The grade is not the student's knowledge, but an attempt to measure it. If he tries to make his measurements appear larger than they should be, he is deceiving the instructor, but worse than that, he is depriving himself of a valuable part of his education, the knowledge of which he will in all likelihood be held for at some future date in his career.

If he wins, he loses. That student pays his money to gain certain knowledge, certain training of mind and character from the Armour Institute of Technology. Then he deliberately tries to keep the Institute from delivering the goods for which he paid.

If a man is dishonest in school, he will be dishonest out of school. Engineering, of all the professions, except perhaps that of medicine, demands the highest standard of integrity. If a man is not trustworthy in all things, he is unfit to accept the responsibility of being an engineer.

We can stop this state of affairs by student disapproval of such acts. If a student thinks there is no loss of social prestige, that his school mates will wink at such acts, he may cheat. But if he realizes that he will be looked upon with scorn by his fellow classmates then he is going to think a long time before he deliberately commits a dishonest act.  
 —S.T.D.

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### ROBERT J. CASEY TELLS ARCHS OF ORIENT TEMPLE

#### Shows Motion Pictures Of Ancient Indian Edifice

A group of senior and junior architects enjoyed the distinguished honor of being guests at the home of Robert J. Casey, feature writer for the Chicago Daily News, last Wednesday evening, November 14. Mr. Casey showed them a series of moving pictures which he took in India a year ago on a private expedition through the Oriental countries.

#### Invites Group to Home

The occasion was prompted by William N. Alderman, '30, who was seeking a source of authentic information pertaining to the Architecture of an Assyrian Temple, which was assigned to him to draw as a Beaux Art design problem. Having heard of Mr. Casey's trip, he decided to inquire of him for the information he wanted, and as a result a party consisting of Dean Banta, '30, Charles Ware, '29, and Joe Durant, '31, and Alderman, was invited to the writer's home to view a series of motion pictures on the subject.

#### Built 3000 Years Ago

The most interesting part of the information was a picture, along with Casey's lucid description of its history, of the ancient Indian temple of Ankor Vat, built three thousand years ago, and then lost to posterity until it was discovered completely hidden by thick wood about sixty years ago.

#### Was World's Largest City

When the edifice was erected, it was surrounded by the city of Ankor Vat, at that time the largest city in the world. This city was further advanced towards civilization than any other city for the next two thousand years. The inhabitants carried on trades and commerce, their wealth was positively amazing. Every citizen of that remarkable city had at least three slaves. These menials, tiring of the suppression of their lords, banded together and revolted against the upper classes. The uprising was so successful that the upper classes were overthrown, and slaughtered by the thousands. The slaves disseminated to the forests from which they had been dragged by their conquerors. The result was that the city rapidly disintegrated into nothing more than a camp, and the jungle started its slow march back over the buildings and streets. In a few hundred years, the city was completely hidden by the thick growth, and remained unknown to modern man until the last century.

#### Roads Described

The temple is remarkable in that the only material used in its construction is stone, without even cement of any kind. The structure still stands as sturdy as when just completed. Leading up to the edifice are several roads, which at the time of their discovery were completely overgrown with plant life. After being cleared and again made passable, they were found to be most remarkably smooth and solid, and unsurpassed by any of our modern thoroughfares in surface and strength. Automobiles now used on these roads travel smoothly and comfortably at fifty miles an hour. These roads, in perfect condition after three thousand years of aging, form a wonderful tribute to the engineering skill of these races.

Robert J. Casey is a former student of Armour Tech, having studied civil engineering for two years. It is superfluous to add that Alderman got the information which he needed to help him with his design problem.

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### The Inquiring Reporter

Question: Have you ever cheated on a final examination?

Senior Electrical: No, I have never received or given any help on a final examination.

Junior Fire Protec: Yes. Especially in math and Physics.

Senior Civil: No, I have never cheated on a final examination, but I cannot say the same for the minor examinations.

Senior Mechanical: Well, I tell you,—I never got anything off anybody else's paper that proved of any value.

Junior Chemical: Never!

Epiphore Architect: No, Why do you ask?

Junior Civil: Yes, sir! I'm an old hand at it.

Senior Electrical: Have you?

Inquiring Reporter: Yes.

Senior Electrical: Well, so have I.

Freshman Mechanical: I haven't had any finals yet, but I have not cheated on any quizzes so far.

### Discuss Molecules At Chemical Gathering

At the November meeting of the American Chemical Society, Dr. B. B. Freud, the chairman, introduced the speaker of the evening, Dr. Edward Mack of Ohio State University. His subject was "The Size and Shape of Molecules."

It was only during the last generation that the existence of molecules was established. Dr. Mack said that although no one has ever seen an atom or molecule, the knowledge of their sizes and shapes is rapidly accumulating.

Among the methods Dr. Mack pointed out for the study of the size and shapes of these tiny particles are:

- 1) X-Ray examination of crystals, both organic and inorganic;
- 2) The investigation of the structure of oil films;
- 3) The measurement of the viscosity of gases;
- 4) The velocity of the diffusion of vapors;
- 5) The viscosity of solutions.

The last two are Dr. Mack's contribution to the field.

M. P. Johnson, George Crapple, and George Parkhurst, A. I. T. alumni, were among those attending, as were about ten Armour students.

Boxing Instructor: "Now, have you any questions to ask?"

Dazed Beginner: "Yes; how much is your correspondence course?"

—C.R.H.

### WATCH the "ENGINEER"

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Momentous Questions

### of CHROMO-CHEMISTRY

- 1) How is it that a brown cow can eat green grass and give what milk?
- 2) Why is a maroon team always green?
- 3) How do you explain that a black and white newspaper is read all over?
- 4) Why is black and yellow higher?

"The Armour Engineer" will be ready for distribution **Monday**

### Light, Sound Inter-Relation Is Shown

Last Monday night at a joint meeting of the Chicago Section of the A. I. E. E. and the Western Society of Engineers held in the Engineering Hall, Dr. John B. Taylor, a consulting engineer for the General Electric Company, gave a lecture and demonstration of the transmission of sound by light rays and the transformation of light into sound. An audience of over 600 persons gave perfect attention to a fine analysis of the wave motions of sound and light, and gave enthusiastic response to the roar of a lighting match and the loud hum of an incandescent lamp on alternating current.

#### World's Fair Discussed

Preceding the lecture was a talk by Mr. Charles S. Peterson, Vice President of the Chicago World's Fair, upon this huge undertaking. The plans, accomplishments and hopes of the committee were explained by Mr. Peterson.

Earlier in the evening, the officers of the Chicago Section tendered the speakers a dinner at the Lake Shore Athletic Club. At this dinner, as guests of Mr. P. B. Juhnke, Chairman of the Chicago A. I. E. E. Section, were C. J. McDonald of Armour, and A. Gaimari of Lewis Institute. These chairmen of the Student Branches at their respective schools were invited—to quote Mr. Juhnke—"as the first step in an attempt of the Chicago Section to cooperate with and assist the two Student Branches within its jurisdiction to secure the fullest benefits of membership in the A. I. E. E." McDonald was very much pleased with the treatment received and expressed a hope that a considerable measure of cooperation might be initiated between the Armour Branch and the Lewis Branch, as well as with the Chicago Section of the A. I. E. E. Professor E. H. Freeman, Head of the Electrical Engineering Department, and V. C. Mironowicz, '29, E.E., were also present at the meeting.

### C.E.'s Hear Survey Of R. R. Engineering Field

"Railroad Engineering" was the subject of a talk given by Professor R. L. Stevens, '08, of the Department of Civil Engineering, at a meeting of the Western Society of Engineers held last Friday in Science Hall. The speaker was introduced by Ed Mohr, '29, president of the student branch.

In opening Professor Stevens said, "In previous years railroading absorbed most of the available engineering talent. Today, in spite of the great improvements along other lines of endeavor, there is still a large demand for engineers in railroad work."

Professor Stevens analyzed the situation in which a graduate engineer finds himself when starting to work for the railroad. The work divides itself into two portions, the field work and the office work. The former more often attracts the younger men because of its apparent glamour, whereas the office division offers a much better chance for advancement into the higher positions of the organization. Valuation engineering is a relatively new and very important branch of engineering application that is now an important division in the organization of all railroads.

It was pointed out by Professor Stevens that in order to succeed in such a large organization or to prevent "being shelved" it is necessary to keep one's ideas before the organization.

After the talk, Ed Mohr announced that there will be a Society Smoker on December 12. The place will be determined later.

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### HUGE ROCK ON CAMPUS IS NICKEL-GOLD ORE

The following article was taken from the first issue of the "Integral" which appeared in 1899. The "Integral" is the predecessor of the "Cycle," the present yearbook.

"To Armour students, many of whom have passed by the large stone lying on the campus across the street from the Institute, it might be interesting to know that the stone is nickel bearing and the largest specimen known to have been taken from the mine and transported. Its weight is nearly two tons. It was sent to the World's Fair, where it formed a part of the exhibit of the Canadian Copper Co., of Sudsbury, Ontario, Canada, which firm presented it to the Armour Institute of Technology at the close of the Fair.

"Sudsbury supplies nearly all the nickel used throughout the world, excepting that which is mined by the convicts of the French Penal Colony.

### "Mutual" Insurance Topic of F. P. Talk

Lester Castle, '27, addressed the semi-monthly meeting of the Fire Protection Engineering Society Friday morning the 16th, at 9:30 on the subject of "Mutual Fire Insurance." He showed the development of mutual insurance from the days of the great fire of London to the present day. He gave statistics to show the present financial and economic status of the mutual companies, and compared their services with those of the stock fire insurance companies.

The ore at Sudsbury is converted into a mass compound of nickel sulphur, etc., which is shipped to the United States or Europe and refined, metallic nickel being thus obtained. Assayists tell us that aside from the nickel bearing properties of this rock, it contains about eight hundred dollars' worth of gold.

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## VARSITY BASKET TEAM OPENS WITH CRANE ON DEC. 4

**Regular Crew To Consist Of Fifteen Expert Cagemen**

### SCHEDULE LISTS 14 GAMES

For the next couple of weeks Coach Krafft will be as busy as a soda clerk behind a free counter, in preparing to shape and eliminate a portion of the twenty-five engineers who remain from the squad of eighty that bid for a regular berth.

Regardless of whether he'll lose a hair or two, or grey a couple, he's determined to assemble a trio of quintets that will represent the school on the hardwood floors.

### Team To Be 15 Strong

The task of co-ordinating the choicest fifteen appears to be a difficult one and Krafft has reason to worry over his prodigious undertaking.

Since last Thursday the boys have been spending their evenings at the Armory. There wasn't very much accomplished during the initial part of the week for the boys seemed to allow their minds to wander off their task. Thursday, especially, was a slow evening and the only thing of interest was the scenery. Ninety percent of this, however, was comprised of the building itself, which bore the decorations of new baskets, glass blackboards ornamented with a coating of white enamel, and above all a new slick floor.

The other 10 percent of the show was centered about the prospective cage cavorters who dimmed the scene like a 10 watt bulb. Instead of enlightening Krafft's hopes they only brought on discontent and turned the state of affairs into a problematical matter.

### Prospects Unpromising

Their real worth was shaded while they practiced at the dingy school gym, which is only one third the size of the new Armory court, for they devoted much of their time to setting up exercises and running around the floor lines, but when they took to exercising their basketball talent on the new floor they revealed a few things that had been kept in the dark previously.

Some of the boys still carried the lead in their pockets, and moved around like ocean divers. Those that did show some signs of life still lacked the incidentals that lead to the mastery of the art.

### Candidates Show Improvement

The secretary's minutes later on in the week, however, showed that the boys had improved but as yet they must do a great deal more in order to overcome their slumber.

As the time goes on Krafft will put his recruits through the sweat shop grind and the earnest toilers who survive and fulfill the necessary qualifications will be clad in the gold and black colors.

### Fourteen Games Carded

Fourteen of the sixteen games that will comprise the schedule have been booked. Eight games have been booked for the home court to date. If the present plans are carried out a scrimmage game with some bank team will be played on November 27. A game with Crane College on December 4, and one with the Alumni on December 6, will be played on the home court in preparation to the Notre Dame game on December 10.

## Stagg Sets Indoor Track Start Date

(Continued from page 1, col. 4)

There has been some excellent freshman material uncovered in the distance runs by the cross country season. Hodgeson, the long-legged blonde boy from Schurz, has shown promise of developing into an excellent miler or two-miler. Frankie James, the Louisville flash, has shown some good stuff, but has been laid up with shin-splints for part of the season.

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## Lame Cross-Country Enters Quadrangular

Though the team is rather badly crippled, the Armour Cross Country squad will meet Loyola University, Wheaton College, and Northwestern College of Naperville in a quadrangular meet at Washington Park Saturday morning for the last run of the season. Hodgeson, a freshman who has shown excellent form in previous meets, has been confined to his bed because of illness following a vaccination. Whether he will start is questionable. Frankie James, sophomore runner, has been out for three weeks because of shin splints and unable to practice. He will probably start the race however. Captain Smith has been bothered somewhat with a weak side, caused by straining soon after an appendicitis operation last May. Montesano, Iverson, Eckleman and Taylor are in excellent shape and will be the main reliance of the team for victory. Kara, Captain of Track, will make his initial appearance of the season after being kept out thus far from an infected ankle, acquired during practice for the first meet.

Due to the inclement weather of the last week, the three and a half mile course will probably be rather heavy going, very muddy, unless it is frozen over.

## ARCHITECTS WANT EMERGENCY WARD

An emergency hospital ward at the Art Institute has been proposed by some of the far-seeing students in the Architectural course as a result of the heavy demand for such a department which has arisen recently when four of the "archs" were variously injured.

Elmer T. Holin, '31, who was social chairman of his class last year, was knocked down by an automobile and severely injured about the head as he was boarding a street car. The bruises have not kept him out of school, however.

Marvin R. Dobberman, '30, and Garland Reichle, '30, were both hurt playing football. Thomas W. Doane, '31, was badly scratched about the face and hands doing a Prince of Wales stunt, falling off a horse.

## Students Entertain At Electrical Smoker

The annual fall smoker of the Armour branch of the American Institute of Electrical Engineers was held last night at the Delta Tau Delta house, with about 120 members present. Bridge and other card games were enjoyed amid a plentiful supply of cigars and cigarettes.

### Varied Entertainment

Joe Hromoda, Leroy Bernhardt, and Marvin Tennyson, manipulated the piano keyboard, while John Brady and William Briggs attempted to entertain with singing to the accompaniment of George Jennings who wielded a wicked uke. Of course the big surprise of the evening which was awaited expectantly by all was the serving of refreshments under the tutelage of Vernon Peterson and his committee. Cakes bearing the letters "E.E." were served in conjunction with the hot coffee and sandwiches.

### FRED PAYNE '28, VISITS SCHOOL

Fred D. Payne, '28, F. P. E., was another of the alumni visitors at the school last week. He came down intending to go to the Senior Dance, but found his fiance ill and had to content himself with a quiet evening at the home of the future in-laws.

## Grid-Iron Queries

By Professor John J. Schommer

(Ed. Note: Professor John J. Schommer, conference umpire, and leading authority on football, will answer through this column, any questions on football which are puzzling our readers. Questions should be dropped into the NEWS contribution box, located on the first floor of the main building.)

**Question 11: Team A kicks to team B. Ball hits defensive half back on shoulder and flies into end zone without touching ground. Half-back of B runs into end zone and picks up ball and attempts to run ball out of end zone. He is tackled in the end zone. What is the ruling? (H. P. R., Jr.)**

**Answer:** Player B has not given any impetus to the ball therefore the play is construed as impetus coming from kicker of A. Even though B attempted to run the ball out the play is still a touchback.

**Question 12: Is this legal? A punts to B, B takes one step back and returns punt. (W. T. S.)**

**Answer:** Yes.

## Rifle Club's Two Teams To Meet Lane Gunmen

Competition between members of the Rifle Club has resulted in the formation of two tentative teams. The first team consists of S. Pulaski, L. Stakus, H. Steir, R. Hess, S. Janiszewski, D. Garen, F. Farrell; and on the second team are W. Dickey, G. Freundt, H. P. Richter, R. Richter, E. Lapotowski, and R. Young. George Heller, manager, has arranged a match with Lane Tech next Tuesday, November 27.

## Class Basket Teams Primed For Contest

(Continued from page 1, col. 6) old order of the traditional customs, whereby the juniors and seniors settle school predominancy.

### Dawson Wants Action

Jim Dawson, chairman of inter-class basketball, had drawn up the following practice schedule:

Monday, Nov. 19—Freshman.  
 Wednesday, Nov. 21—Sophomores.  
 Thursday, Nov. 22—Juniors.  
 Monday, Nov. 26—Seniors.

Dawson is doing his utmost to speed up the work in order to make way for the varsity basketball squad which has commenced practicing daily, and who are required to fulfill all practice sessions, inasmuch as they will be looked on to be prepared to play their first game on Dec. 4.

## Thru The Hoop

By J. R. Yount

The Varsity season opens December 4 with Crane College on the Armory floor. According to the records, Armour has never lost a game to Crane, either on their floor or ours.

Engineering Colleges are at last claiming the athletic spotlight. Carnegie Tech and Georgia Tech are both undefeated in football this season.

Beating Notre Dame is getting to be a habit. Let's hope the cage team takes them down. It's being done by the best of them.

And while much might be said on both sides as to whether the team is the best or not, at least it's one of the best.

We don't know what that makes you—but I hope it makes you believe it.

Whether you believe it or not, go to the games and see for yourself.

## Petersen, '26, Takes State Board Exam.

Jay Edwin Petersen, '26, instructor in Architectural Design, journeyed to Urbana, Ill., to take the Architectural State Board Examination in order to become a licensed architect. This examination extends over a period of three days, and covers both engineering and designing. E. J. Higgins, '26, president of Scarab, honorary Architectural fraternity, last year, also took the examination at the same time.

## Henry Penn Takes Time Off To Visit Old Haunts

Henry Penn, brother of Dean John C. Penn, and former professor in the Civil Engineering Department, was down to school last Friday. "Hank," as he is commonly known, was given an enthusiastic greeting by his former students, and true to form he gave a ten minute lecture on the bracing of steel buildings against wind pressure. Hank just couldn't forget his former status and sent a parting shot at his listeners to "stay around" till five o'clock and don't leave early." At present Professor Penn is connected with the American Institute of Steel Construction.

Who should we see around school last Friday but "Long Tom" Ogden, C. E., '28. Tom was down to look the boys over and pass his O. K. His face was tanned by the heat of many suns while working for the Illinois State Highway Commission this summer.

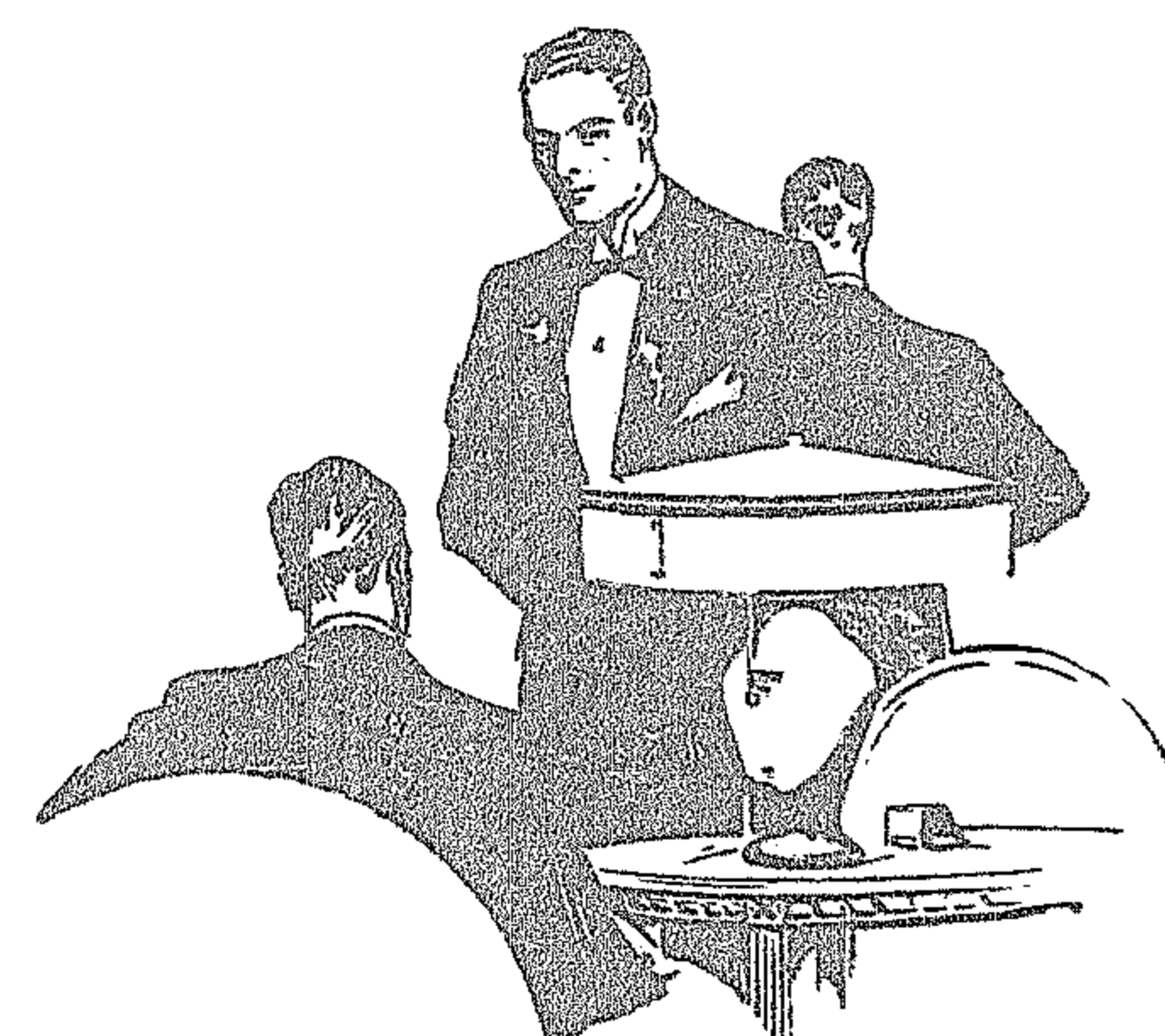
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