

## BOARD CONTROL AND A.T.A.A. IN JOINT SESSION

### Ways and Means In School Activities Discussed At First Meeting

#### HUNTLY AGAIN BOARD PREXY

The Armour Tech Athletic Association and faculty members of the Board of Athletic Control, held their first joint meeting Wednesday afternoon, October 31. The entire board, which includes Dr. Raymond, Deans Palmer and Penn, Profs. Leigh, Huntley, and Schommer, Mr. Allison, and Coach Kraft, together with the student officers of the A. T. A. A., Edstrand, Simpson, and Rowley, were present. Several important items of business came up for consideration.

#### Huntly Re-elected President

First of all, the election of officers of the Board of Athletic Control was held. The officers of last year, namely, Prof. Huntly and Coach Kraft, president and secretary, respectively, were re-elected.

Some reference was made to the buying of new boxing equipment and the services of a new boxing coach. At present the boxing team is without the services of a coach. Both questions were deferred to a later date.

#### Classes Spending Too Much Money

Then came the question of controlling the expenditure of class funds. A lengthy discussion ensued. It was pointed out that unwise spending of class funds presents quite a problem to the school comptroller, Mr. Allison. He mentioned, that the treasury of the present Senior class was in such a condition that the Seniors would probably have to resort to volunteer subscriptions by its members in order to carry on the business of their class. In this connection, it was suggested that the business concerning class functions, the prices of bids to class affairs, in particular, be first approved by the Deans, so as to make the charges within the reach of most of the members. It was pointed out that many of the charges are prohibitive, and thus it is only possible for a certain element in each class to attend. Discussion followed on the subject of class athletic awards. It was finally decided to limit the expenditure of class funds to the extent of \$6.50 for each award. In basketball, the limit of seven awards was set, while in baseball the figure was set at ten.

#### New Sweat Suits For Basketball Team

Coach Kraft presented a strong argument in favor of the purchase of zipper sweat suits for his basketball team, and the bill was passed in short order.

Edstrand brought up the question regarding the regulation of interfraternity affairs. In the past, this mat-

(Continued on page 3, column 2)

## Five Honoraries Add Pledges During Week

Several of the honorary fraternities have pledged during the past week, some for the first time this semester, and others for the second time. The pledge lists of these fraternities follow:

Chi Epsilon, honorary civil engineering fraternity: F. B. Farrell, E. H. Mohr, and G. A. Rezac, all seniors.

Eta Kappa Nu, honorary electrical engineering fraternity, has two additional pledges: C. J. McDonald and E. L. Michelson, both seniors.

Pi Nu Epsilon, honorary musical fraternity: W. N. Setterberg, and D. L. Williams, both seniors, and J. E. Higgins, and F. J. Aste, juniors.

Sphinx, honorary literary fraternity: F. B. Farrell, M. B. Golber, E. J. Guenther, and A. J. Stabovitz, all seniors.

Tau Beta Pi, national honorary engineering fraternity: A senior, A. C. Meyer. This is an addition to the list as announced last week.

Scrab, honorary architectural fraternity, has not pledged as yet, but an announcement will be made as soon as the information is available.

## Questionnaire To Students Today Will Find How Many Earn Partial Support

In an effort to secure complete statistics on the number of students who are earning part tuition or part living expenses, a questionnaire is being distributed this morning by the Deans' office to all the students in the Institute, and which is to be carefully answered by every student.

#### To Be Confidential

The information to be secured in that manner is to be kept strictly confidential by the office. However, if students are unwilling to put their names on the sheet, the registration number may be used in its place. Some system of identification is to be required, however, to prevent duplication of the slips.

#### Six Questions Asked

Six main questions are asked on the quiz, as follows:

A. Approximately what percent of your living expenses (board, room,

clothes, etc.) do you earn during the summer vacation? During the College session?

B. Approximately what percent of your college expenses (tuition, fees, books, supplies, etc.) do you earn during the summer vacation? During the college session?

C. What is the nature of your work during the summer?

D. What is the nature of your work during the college session?

E. Where were you born?

F. Are you a citizen of the United States?

In addition to these questions, a line is allowed for name or registration number, and any additional remarks that may be necessary.

Questionnaires will be distributed to the students in the classrooms, and will be taken up immediately. Answers are expected to be complete and accurate.

## World's Largest Telescope Constructed By Armour Tech Alumnus

Armour men are going far and wide in all fields. Now we find one who has been instrumental in building the largest telescope in the world. This man is Francis Gladheim Pease. He received his B. S. in C. E. in 1901, an M. S. in 1924 and in 1927 was honored with a D. Sc. Degree. He is working at the California Institute of Technology on this telescope.

An announcement has recently been made by California Tech that the telescope is to bear a 200-inch reflector. This is twice the size and four times the power of the largest telescope in use at the present time. "The proposed telescope," the announcement states, "should make possible the exploitation of many island universes beyond the Milky Way, the nearest two or three of which are now but slightly known. It should tell us something about the spiral nebulae, millions of light years distant, and much about the development of the stars of our own system, one of which is the sun with its encircling planets.

"It should solve many of the problems of Physics or Chemistry that depend upon the enormous masses of temperatures, or upon the immense density or extreme tenuity, exhibited by celestial bodies in which titanic experiments exceeding the capacity of any terrestrial laboratory are constantly in progress."

## J. Manz Returns From Tau Beta Pi Meeting

John W. Manz, '29, president of Armour Chapter of Tau Beta Pi, national honorary engineering fraternity, has returned from St. Louis where he attended the National Convention of the society. Missouri Gamma chapter, at Washington University, was host to the convention, and according to Manz it filled that position very well.

At this meeting, which was held November 1-3, the society took in four new chapters and considered the merger of Tau Beta Pi with Sigma Tau, another national honorary engineering fraternity. This merger was rejected by the convention. The newly accepted chapters were from Clemson College, Mississippi A. and M., North Carolina University, and Rose Polytech. All fifty-two of the chapters were represented, and A. D. Moore, National President, and the National Secretary-Treasurer, were also present.

Aside from the meetings, the delegates were kept busy. They visited the Gohokia power plant which was first to install powered coal boilers. Friday night there was a banquet followed by a formal dance. Saturday the delegates saw the Haskell Indians defeat Washington College on the gridiron by a score of 7-0.

On his way back to Chicago, Johnny stopped at Springfield to see the Abraham Lincoln monument.

## Social Committee Brings Senior Hop Campaign To Head

Cal Johnson's Senior Dance committee has just about tapped every possible source of publicity, drained it to the limit, and is now sitting back waiting for the crowd to finish the buying of tickets. Sales are proceeding fully according to expectations, though the committee expects the rush to come next week, largely in the last few days.

#### Placards to U. of C.

Posters have been printed and distributed wherever there are students, not only on the Armour Tech campus, but at Northwestern and U. of C. as well. Placards have even been posted in the fraternity houses at U. of Illinois, with the expectation that many students of that school will attend, since on the following day the Chicago-Illinois game will attract many to this city.

The committee has also advertised in the school publications of the three schools. Ads have been appearing and will continue to appear in the Daily Maroon, the Daily Illini, and Northwestern's daily newspaper.

Special invitations have been sent out to the alumni of the last three years, and their ticket money has come in steadily.

#### ZeZ Confrey to Entertain

The dance is to be staged at the Lake Shore Athletic Club, with the far-famed ZeZ Confrey and his ten jazz administrators furnishing the rhythm. Confrey is especially noted for his trick piano playing, and promises a few of his favorite piano selections, "Dizzy Fingers," "Kitten on the Keys," and others for the entertainment of the crowd. Bids are priced at \$2.50.

## DR. PROTHEROE LEADS CONCERT

The Chicago Welsh Male Choir, under the direction of Dr. Daniel Protheroe, who is also directing the Armour Tech Glee Club, opened its current season with a program at the Austin Presbyterian church last Thursday evening, November 1.

At this concert several numbers being practiced by the Armour Tech Glee Club were presented, among which were "Song of the Marching Men," of Dr. Protheroe's own compositions, "The Lost Chord," by Sullivan, "Reaper's Song," by Davidson, and "Mah L'il Banjo," by Dichmont. In addition several Welsh songs and two compositions by Handel, with solos by Tom Morgan and Gwilym Jones. R. G. Jones was organist and William Hughes the accompanist.

#### BEG YOUR PARDON

The Armour Tech News wishes to take this opportunity to apologize for the error in the November 1 issue when it stated that R. J. Gunther was pledged to Salamander, honorary F. P. E. fraternity. The person that was pledged was A. C. Gunther, '30.

## LOCAL RIVALRY IN INTERCLASS B'BALL BEGINS

### Interfraternity Teams Also Promise School Inter-esting Play

Inter-class and inter-fraternity basketball, Armour's most colorful inter-school sport will make its initial bow to the 1928-29 season within a week or two. This king of winter sports, which obviously looms as Armour's favorite, is expected to arouse considerable interest this year.

From all indications, this winter's hardwood frolic will feature some hotly contested affairs, for no class or fraternity can boast of a picked quintet on which they could bank their hopes to conquer the laurels. There are some classes and fraternities which stand out on the bright side of the ledger with some very obliging prospects and naturally are worthy of a little consideration.

#### Phi Pi Last Year's Champs

In the past ten years the Phi Pi Phi fraternity has been beating the socks off the other fraternity teams and are seriously threatening the other organizations this season. But there is nothing more to be said about them until they make good their threats.

#### Seniors Hold Edge In Inter-Class

As for the inter-class competition, the seniors as customary, are considered the favorites, but this season gives them an added impetus inasmuch as they won the inter-class tournament last year while they were minus a year in their scholastic standing.

John W. Gamble, '29, will direct the program for the fraternity organizations while James Dawson, '29, will guide the interclass teams. These men promise to do their utmost to speed up the work in order that the organizations may enjoy a longer season.

With a total of ten fraternities on the campus, and with close to ten men from each house out for their respective teams, it is estimated that nearly one hundred men will see service in the inter-Greek campaign.

#### MOVIES FEATURE MEETING

Moving pictures of the Studebaker Plant at South Bend, Ind., and of the methods of testing at the million-dollar proving grounds featured the meeting of the A. S. M. E. held on Monday, Nov. 5, in Science Hall. The showing of the pictures was made possible through the courtesy of the Studebaker Motor Corp.

The officers have laid plans for a smoker, the date of which is to be announced later.

## BERNHARD BACK FROM LINCOLN

At the national convention of the "Engineering College Magazines Associated," held in Lincoln, Nebraska, October 25-27, The Armour Engineer was given an award of second place for cover design for the copy of March, 1928. The awards were made on the magazines of the previous year by the executive committee. Professor L. F. Van Hagen of the University of Wisconsin was chairman, while the Western Vice Chairman was Paul B. Nelson, editor of the "Scholastic Editor." L. F. Bernhard, '29, Editor-in-Chief of the "Armour Engineer" and M. B. Gobler, '29, Associate Editor, were the Armour representatives at the meeting.

#### SCHOOL CALENDAR

Thursday, Nov. 8:  
8:30 a. m., Deans' Office Questionnaire distributed.  
Sunday, Nov. 11:  
Armistice Day.  
Wednesday, Nov. 14:  
5:00 p. m., Staff Meeting of the NEWS in NEWS office, Chapin Hall.  
Thursday, Nov. 15:  
Issue No. 9 of NEWS distributed.  
Friday, Nov. 16:  
9:00 p. m., Senior Informal, Lake Shore Athletic Club.

## STAFF OF "ARMOUR ENGINEER" CONSIDERS CHANGING MAGAZINE INTO A MONTHLY PERIODICAL

### Idea Calls For Formation of Advisory Board of Former Staff Heads To Fix Policies; More Space To Non-Technical Articles

#### IS NOW PUBLISHED FOUR TIMES A YEAR

Plans for changing the "Armour Engineer," Armour's technical publication, from a quarterly to a monthly are now under consideration by the Managing Board of that magazine. L. F. Bernhard, '29, Editor-in-Chief, says that the following advantages would result from the change.

#### Publish More Student Articles

A magazine appearing every month would offer a much greater opportunity for the publication of student articles. An issue consisting almost entirely of technical articles written by those not present at the school lacks the appeal of one containing matter of local interest.

With only a month intervening, the issues would be of a much more timely nature. At present the first number of the "Engineer" during the school year appears in November, and the second number does not appear till January.

#### Others Run Monthly

He further states that the fact that the greater number of publications belonging to the "Engineering College Magazines Associated," of which the "Engineer" is a member, are operating on a monthly basis is another reason which seems to make the plan feasible. The staff has been in the process of enlargement for some time, and is now of sufficient size to handle the larger publication.

#### To Have Advisory Board

In the event that the plan of having the magazine appear monthly is definitely adopted, the Managing Board further plans to select an advisory board to consist of past editors and business managers who can lend their experience and mature judgment in the selection of matter for publication.

The rapid strides made by the "Engineer" within the last three years are evidenced by the fact that it has won four awards during that time in the contests conducted by the "Engineering College Magazines Associated." The latest was an award of second place for cover design won by the March, 1928, issue. The publication also enjoys the unique distinction of having a 100 percent student and faculty subscription.

The Managing Board of the "Armour Engineer" for the year of 1928-1929 will consist of the following members:

- L. F. Bernhard, '29, Editor-in-Chief.
  - L. P. Brown, '29, Business Manager.
  - M. P. Golber, '29, Associate Editor.
  - R. J. Guenther, '29, Articles Editor.
  - H. H. Dozois, '29, Engineering News Editor.
- The duties of this board consist principally in determining the editorial policy of the magazine. The members are now engaged in organizing the Junior Staff who will succeed the present incumbents next year.

## Appoint Night School Student To Annapolis

Passing the Civil Service examination with the remarkable grade of 97.67, Ignatius J. Gelsatin, evening school student in Architecture at the Armour Institute of Technology, has been recommended for appointment as midshipman in the United States naval academy at Annapolis by Senator Charles S. Deneen.

Gelsatin graduated from the Maine Township High School in 1927, and has since that time pursued the study of architecture in the evening school here. He took the examination given by the United States Civil Service on October 6, making the highest grade against considerable competition. His home is in Des Plaines, Ill., at 1648 Prairie avenue.

The 1930 Conclave was awarded to the University of Minnesota Chapter.

ARMOUR TECH NEWS

Student Publication of the
ARMOUR INSTITUTE OF TECHNOLOGY
CHICAGO, ILLINOIS
Published Weekly During the College Year

Editor-in-Chief .....John Hommes, '29
Business Manager.....Russell E. Johnson, '29
Faculty Adviser.....Professor Walter Hendricks

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THE OCCASION IS PILED HIGH
WITH DIFFICULTY, AND WE
MUST ARISE TO THE OCCASION.
—Lincoln.

A Monthly Magazine For Armour

A movement has been started by the staff of the "Armour Engineer" to place their magazine on a monthly basis, instead of having it appear quarterly as is now the schedule.

In the past the magazine has lacked genuine student interest. Its articles were in the main of an engineering nature, while the little school and alumni news that it contained was already well digested by the time of publication.

On a monthly basis this could be remedied. The amount of engineering news could be decreased per issue. Student articles, biographies, events of interest in the educational world could all be included.

In weighing arguments for and against more frequent publication, and the publication of non-technical articles, the staff and the executive council of the Institute should consider the ultimate consumer. That consumer is not the engineer in the field coming to the "Armour Engineer" for authoritative information.

There are still other reasons why the school should have a monthly magazine. It needs it to keep pace with other engineering colleges, practically all of which publish a monthly periodical.

We congratulate the staff of the "Engineer" on the spirit of progress they are demonstrating in their move toward expansion.

The Red Cross Roll Call

Starting Sunday, Armistice day, and continuing until Thanksgiving day, the American National Red Cross will conduct its annual membership roll call to enroll members for 1929.

The Red Cross as an American institution needs no introduction. Its sweeping humanitarian service, winning international fame during the World War, and living up to that name in every great disaster in this country since that time, as well as in the scores of minor disasters in which its work is never noised around, is one of the bright spots in our national life.

The organization deserves the unstinted support of every American in the coming membership drive. The Red Cross button on one's coat lapel is a badge of honor.

An Engineer As President

The engineering profession took on an added measure of prestige last Tuesday when one of its number was elected by an overwhelming majority to the most powerful position in the world, that of the Chief Executive of our Nation.

Engineers as a class have two very marked characteristics which most men of other professions and different training lack, at least to some degree.

(1) The engineer has a rare ability to analyze problems which confront him, reduce them to simple terms, and then offer the correct solution.

(2) The engineer has an enormous capacity for work. Woodrow Wilson knew how to cope with the problems that confronted him, but being finely constituted and of rather frail physique, he did not have the unbounded capacity for work which was required of him.

Mr. Hoover, the mining engineer, has already repeatedly demonstrated that he possesses both these attributes in full measure. His distinguished career has already been marked by the high qualities of a great executive, by initiative, by careful study of problems, by broad grasp of essentials, by capacity for procuring results.

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

Hey! What's that comin' down the street?
Nother corpse? Wall, I'll be beat.
Hey there Pete—are you tha one?
My gosh—that's ten notches on yer gun.

What's the trouble, Professor? Can't you find any potassium?
No, I am out of my element.

Have you heard that story about the chap who got home from a date about four in the cold stilly morning and rang the bell of the house quite persistently.

Why do you always read in bed?
All my books are full length novels.

C. E.: I hear the Phi Kaps called in another pledge pin.
M. E.: How come?
C. E.: They pledged a guy who used matches to light his cigarettes with.

The present chess champion of the world took two hours and ten minutes to make one move in a recent match. It is popularly rumored that there is a certain amount of professional jealousy in bricklaying circles.

A student in a restaurant around school was annoyed by the flies in the lunchroom. Calling a waiter he said, "I don't like all of these flies around me."
"Well," said the waiter, "tell me which ones you don't like and I'll have them removed."

"I'm certainly well posted," said the embryo engineer in Science Hall as he sat down in his seat behind the pillar.

I see by the papers that a method has been discovered whereby the mentally dead can be brought to life. At last there is some hope for the freshmen. —Jay Ash.

In an effort to attempt the impossible, that is, to cure the Archs of their habit of absenting themselves, the math department announces a quiz every time three are missing. The attendance record is improving remarkably.

Professor Bibb, to Iovino at board: "Where did you get that quantity?"
Iovino: "What? Am I going too fast?" —A.J.

FAMOUS HATES
After the game is over,
After the shouting is done,
The date that grates on me
Is the girl who says, "Who won?"

But far worse is the wise guy,
I'd kill him for the fun
When I tell him I've had a haircut
Pipes up and says, "Which one?" —Allah.

Dean Palmer: Why all the excitement in the library?
Miss Steele: Didn't you hear about it? They just found a man's nose buried in a book. —Freddie.

CIVIL INSPECTION TRIP
Scene: A vast roundhouse.
Wise-cracking C. E.: What is that big thing over there?
Guide: That's a locomotive boiler.
Same C. E.: Why do they boil locomotives?
Guide: To make the locomotive tender.

All these jokes about the pedestrian crossing a street are fakes. No pedestrian ever crossed a street.

FRATERNITY HOUSE GOSSIP
Senior: Say, frosh, don't you know it isn't good manners to dip your bread in the gravy?
Pledge: Yea, but it's good taste.

New coat?
No, new room mate.

Prof. Smith: When I have some deep thinking to do, I light a cigar.
Voice: You don't spend much for smokes, do you. —Freddie.

I ask you, gentle readers, isn't it funny a horse can travel a mile and only move four feet? —Al.

Book Reviews

"The Voice of the Seven Sparrows" and "Sing Sing Nights," by Harry Stephen Keeler

To my subsequent regret, I read "Sing Sing Nights" before I read "Seven Sparrows." Many of the incidents in "Seven Sparrows" are quite similar to others in "Sing Sing Nights," and seeing these points of similarity, some of which approach that of repetition, detracted considerably from the enjoyment I should have experienced in reading the second of the two.

Yet in spite of the several points of similarity between "Sing Sing Nights" and "Seven Sparrows," I unreservedly credit the former with being the most original book I have ever read, and probably the most fascinating. I can think of no more enjoyable manner in which to spend an evening, than to assume the role of Shanahan, the Irish death guard in Sing Sing, and listen to the fantastic tales of the three doomed literary men, martyrs to justice, each of whom, in a calm yet stupendous effort to attain the pardon which can be given to only one of their number, gathers all the talent and all the experience gained in a life-time of literary endeavor into the formation of one surpassing story.

The story is clever, is exciting, swift, and as said before, original. It never flags in interest.

Regarding "Voice of the Seven Sparrows," we can say all of the above, and add that it is exceedingly complicated. Mr. Keeler uses this story as a model for explaining his theory of plot construction, described in another work of his called "The Mechanics (and Kinematics) of Web-Work Plot Construction." In spite of its complex plot, however, the story moves fast enough so that one's mind is not over-taxed with keeping trace of all the threads to the intricate pattern.

Much of the action of both stories is centered around Chinese underworld characters, whose Oriental mysteries have their own fascination. However two books in succession containing that type of subject matter are just about enough to make one wish that all the excellent talent and originality expended in their make-up had been lavished on some subject other than the Mongolian peoples.

Throughout all of Keeler's works one finds the inevitable imprint of his engineering training. He was, as you remember from last week's close-up of him, a student at Armour Tech for five years, and he credits all of his skill in dramatic and plot construction to his training here. His thinking is precise. Every detail in his plots is essential to the complete fulfillment of the story, just as every bolt and girder in a bridge is necessary to the completed structure. Both the books offer profitable reading. —J. H.

LETTER-BOX

A Letter to The Armour Tech News:
Your editorial in the last issue headed "Savoring Tea With Vinegar" surely expressed the sentiments of the school. This "Rah-Rah" stuff is all right on the athletic field but is entirely out of place in an assembly devoted to a serious and inspiring message.

If our cheer leader wants to lead cheers, let him lead cheers where they should be led—at athletic contests. We do not remember seeing him leading a cheer at any basketball game, baseball game, or track meet during the last year. He has not even taken the trouble to attend most of the contests. We can construe this to mean only one thing, lack of school spirit, or lack of interest in the work.

What we need is a capable cheer leader who will perform when and where he is supposed to, who will really work to arouse the student body to support the athletics in this school. —An Armour Supporter.

NOTICE

To The Armour Tech News:
It is believed that the following notice is of particular interest to your readers:

"Students attending institutions of learning are extensive users of the mails for their suit cases, laundry bags, supplies from home, etc., and

postmasters report that in many instances these laundry bags and other parcels contain unauthorized written matter, such as note books of school work, old letters, memoranda, books and magazines bearing marginal notes, etc., on which postage at the fourth class rate only is paid. Such parcels are rated up according to their classification, and the deficient postage is collected from the addressee. The postage due on such packages ranges from two to twelve dollars per parcel according to weight. As this often works a hardship on the students and their parents, mailers are cautioned not to inclose written matter in parcels mailed unless they wish to pay first class postage."
A. C. LUEDER, Postmaster.

Lawrence J. Marhoefer, '28, graduate in Civil Engineering, has entered the teaching profession. He is an instructor in Mechanical Drawing at the St. Rita High School.

26 of Freshmen Hail From Lane Tech High

Some of the larger city high schools with the number of freshmen at Armour from each are listed below:

Table listing freshmen counts from various high schools: Lane (26), Crane (19), Senn (14), Tilden (14), Austin (12), Lindblom (11), Lake View (9), Englewood (8), Hyde Park (8), Schurz (8), Harrison (7), Bowen (5), Marshall (5), Parker (5), Fenger (2), Morgan Park (2).

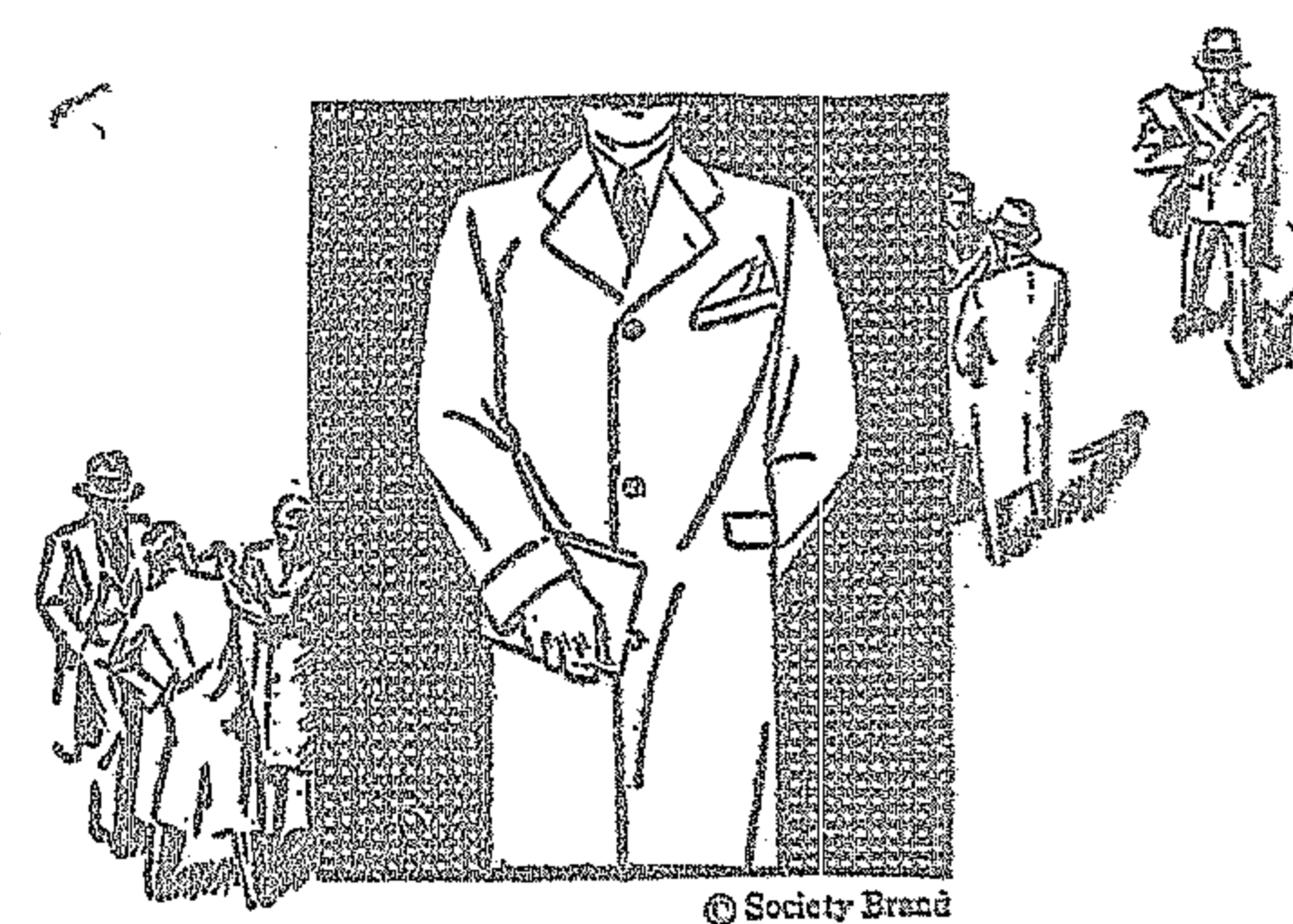
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Gary

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There Is ONE Correct University

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University Men have always known that to buy what is right depends not so much on what you pay as where you go! In Overcoats - as in everything else University Men wear - the one place where correctness of style is unquestioned is The Hub. The new 1928 Overcoats are in - see them today!

\$50

"Chicagoans" \$35 and \$45

### Fleming, '14, Tells C. E.'s of "Bates Road Experiment"

Mr. M. J. Fleming, '14, C. E., now District Engineer for the Illinois State Highway Dept., was chief speaker at the W. S. E. meeting, held last Thursday. District No. 3, of which Mr. Fleming is overseer, has had more hard surfaced roads built into it than any other in the state, according to a statement by George A. Petters, who introduced the speaker.

**Tells of Road Experiment**  
"The Bates Experimental Road" was Mr. Fleming's topic. The road was started in 1920 near Springfield, Illinois. It was built on uniform soil conditions, was two miles in length, and consisted of sixty-three sections of varying bases, surfaces, and thicknesses. All the known kinds of road were included for the purpose of determining which was the best. Before telling of the tests conducted, Mr. Fleming said, "The results gained from the Bates Experimental Road pertain to rural highways and not to city thoroughfares as the two types of pavement differ in many ways."

**Two Theories Advanced**  
At the time the Bates road was built two theories of road construction were prevalent. The first theory advocated greater thickness of concrete at the center than at the edge and the second, uniform thickness clear across. In testing the truth of these theories loads were applied day and night to the corners of each slab or section of concrete. "It was found," said Mr. Fleming, "that the corners were broken during the night. Upon further experimenting it was discovered that the edges of the road lifted as much as one-quarter of an inch off of the base at night, resulting in an unsupported edge which broke down." To counteract this "curling effect" a marginal bar was placed along the edges of the road.

**Frost Cracks Edges**  
Experimentation showed that frost action heaved the outer edge up, resulting in broken corners and longitudinal cracks. It was proved that tile placed along the road did not lower the water content under the concrete slab.

Traffic was started over the road in the spring of 1922. Drivers were held to a certain course on the road by lines painted on the road. Two thousand trips were made by day and one thousand by night. The lighter sections broke down first and finally the heavier ones failed under the strain. Extra sections built with thickened edges and containing the marginal bar proved more satisfactory.

The marginal bar as used in concrete roads of today is painted and greased to prevent any bond. Its purpose is to support and carry the weight from one side to the other.

The black line down the centre of the road was originally used to cover up the iron bar joint instead of being used as a guide for traffic as it is now.

In closing, Mr. Fleming said, "The tests made on the Bates road only covered a few months' time but they were equivalent to fifteen or twenty years of normal rural traffic."

### ANNOUNCEMENT

Owing to the fact that there seems to be some misunderstanding, especially on the part of the new students, Dean Penn wishes to have it made clear that the official Lost and Found Bureau is located in the Deans' Office. Articles which are found should be turned in there. Students who lose anything are to inquire there for it.

Armour Chapter of Beta Psi will act as host to the University of Illinois Chapter after the Chicago-Illinois game on November 17.

### A.T.A.A. And Board Control In Joint Session

(Continued from page 1)  
ter has been left in the hands of the A. T. A. A. It was decided, that since the fraternities make use of school property and equipment in playing their games, etc., this matter will rest with the A. T. A. A. in the future.

**Appointive Positions Filled**  
The appointments for positions in the A. T. A. A. were then approved. The following men were appointed:

Fred H. Juergensen, School Social Chairman.

John R. Yount, Publicity Manager.  
John W. Gamble, Interfraternity Athletic Manager.

James Dawson, Interclass Athletic Manager.

Floyd Ong, Chairman Reception Committee.

Robin Elected Student Secretary

Through the absence of Wm. Jervis, duly elected secretary of the A. T. A. A., it was necessary for the board to select a new man. It was suggested that the runner-up in the last election for that office be elected. The records showed that Clarence Robin was second to Jervis, and his election followed.

Since the student body of the A. T. A. A. consists of a representative of all four classes, it remains necessary for the freshmen to select a man for that position. This is to be done at their next class meeting.

The Musical Clubs, Publications, and the Honor "A" Society have yet to select their representatives to the Finance Committee of the Association.

### POWER OF QUIETNESS

Think for a minute of all the people you know. Put them in two classes; the noisy, boisterous, voluble folk and the quiet, calm, placid ones. Which kind would you prefer to spend most of your time with? The latter, of course. As far as getting things done is concerned at the end of the day which class has accomplished the more. Invariably the latter.

Picture yourself a customer and enter with me a department where a lot of unnecessary loud talking is going on among the employees. A distinctly unfavorable impression is made upon your mind at once. Is it not so? Again go with me to a business office where every one and everything moves quietly and systematically. Does not such an organization command your respect at once?

Reflect with me about the most forceful forces of nature. Do they not operate quietly?

Thunder booms with the noise of a thousand cannons, but it is the silent lightning which possesses power.

The sun, on which all life on this planet depends, operates without suggestion of noise.

The electric current, the modern miracle worker of miracle workers, indulges in no screeching.

That mysterious thing which we call time keeps on the even tenor of its way as frequently as the motionless air.

It is only the surface of the sea that ever becomes tumultuous; the depths are as silent as the grave.

Individuals, institutions, nature, all prove for us the power of quietness.

Don't be secretive, sphinx-like, that is worse, much worse than being noisy and voluble. But if you would be truly companionable and most efficient, be quiet.

Try to acquire the reputation of a quiet person if you would be a forceful person. —Exchange.

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### The Inquiring Reporter

Question: What do you think of the new six-column paper?

Dr. C. A. Tibbals: I think that this step indicates great progressiveness on the part of the staff. I hope that the paper will some day become a daily one.

A. J. Stabovitz, '29, Ch. E.: It shows that the paper is progressive and that there is plenty of news around school each week to fill an extra column. I'd like to see more pictures in the near future.

T. R. O'Malley, '30, M. E.: I think the idea is very good. It clearly shows that the paper is progressing. It's something we can be proud of.

Professor W. A. Spencer: The Armour Tech News is surely a fine paper considering the short time it has been in existence; and a six column edition is in keeping with its standard of progress.

J. Goldman, '30, Ch. E.: It looks as if the paper is very progressive. It shows an added interest on the part of the staff members to put the paper on a par with other collegiate papers. It has become a regular sized sheet.

R. J. West, '32, E. E.: I am all for it. I believe that with a six column paper, it is possible to use more headlines, which will enable more emphasis to be placed on the good things in school.

J. J. Arends, '32, F. P. E.: I think it is a very good idea. It shows a high degree of efficiency on the part of the newspaper staff in order to enlarge the paper and still keep the expenses down.

### LARGE N. S. ENROLLMENT

Professor Robert V. Perry, director of Armour Tech Evening School, reports the record breaking enrollment in that school of 1150 students, or more than twenty percent better than the enrollment last year, when the number was less than a thousand.

### 16 Schools Use Dean Palmer's Math. Text

Dean Palmer's ability as a textbook writer has once more been demonstrated. To date, his latest effort, "College Algebra," written in conjunction with Professor Miser of Vanderbilt University, and published by McGraw-Hill Book Co. of New York in June, 1928, has been adopted in sixteen of the leading colleges and universities of the country. The following is a list of the institutions using this text book:

- University of Denver
- University of Southern California
- University of California
- University of Minnesota
- Phillips Exeter College
- Vanderbilt University
- Western Reserve
- Stanton Military Academy
- Ward-Belmont Girls' College
- Rochester Mechanics Institute
- Carroll College
- Arkansas College
- Iowa Wesleyan College
- Tri-State College
- Case School of Applied Science
- Armour Institute of Technology

This new book bids fair to rival in popularity the "Plane and Spherical Trigonometry" by Palmer and Leigh, so familiar to the embryo engineers at Armour. This Trigonometry textbook is now the most widely used American college textbook in this subject. One hundred and fourteen schools, colleges and universities had adopted this book by the close of the school year last spring.

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### Fraternity Notes

During the past week three of the Social Fraternities have pledged additional men.

Beta Psi: J. Dirkers, J. Kubika, and W. Trauten.

Phi Kappa Sigma: Emil Blomme.  
Sigma Alpha Mu: Nathan Rosen.

The Phi Kaps have started something new in the form of a tea dance to be given every other Sunday. Last week saw the first attempt at such a venture and it met with great success.

Seven of the Theta Xi men attended the Delta Sigma Club pledge dance at the University of Chicago, last Saturday, November 3. The dance was given in Ida Noyes Hall in honor of the following pledges: Misses Henrietta Drager, Ruth Foster, Caroline French, Gustava Gore, Janet Lawrence, Nelliebelle Reardon, and Janet Works.

Armour Chapter of Kappa Delta Tau is to have an outing over this week end at the cottage of Louis Needleman at the Sand Dunes. The "bunch" is leaving by train Saturday afternoon, and all members have been instructed to bring both food and blankets—plenty of both. The Alumni is to be represented. Activities will consist partly of games, including football, baseball, tennis, and what-have-you?

### Farrell, News Desk Ed., Absent For Two Weeks

Fred B. Farrell, '29, C.E., has been unable to attend his classes for the past two weeks because of the serious illness of his mother. His absence has been a handicap to the staff of the NEWS, of which he is Desk Editor.

Preston E. Heath, '30, F.P.E., was called to his home in Denver, Colorado, Monday evening, when news reached him of the severe illness of his father. He was unable to say definitely when he would return. Heath is Assistant Editor of the 1929 Cycle, and a member of Theta Xi fraternity.

The Rho Deltas gave a pledge dance last Saturday, November 3, at their house. It was decorated to fit the Halloween atmosphere, and as a result of the activity of the pledges, "stop," "no parking," and other helpful signs were used to good advantage.

The house was filled to overflowing, most of the guests being alumni. The pledge emblem was printed on the cover of the program in honor of the occasion.

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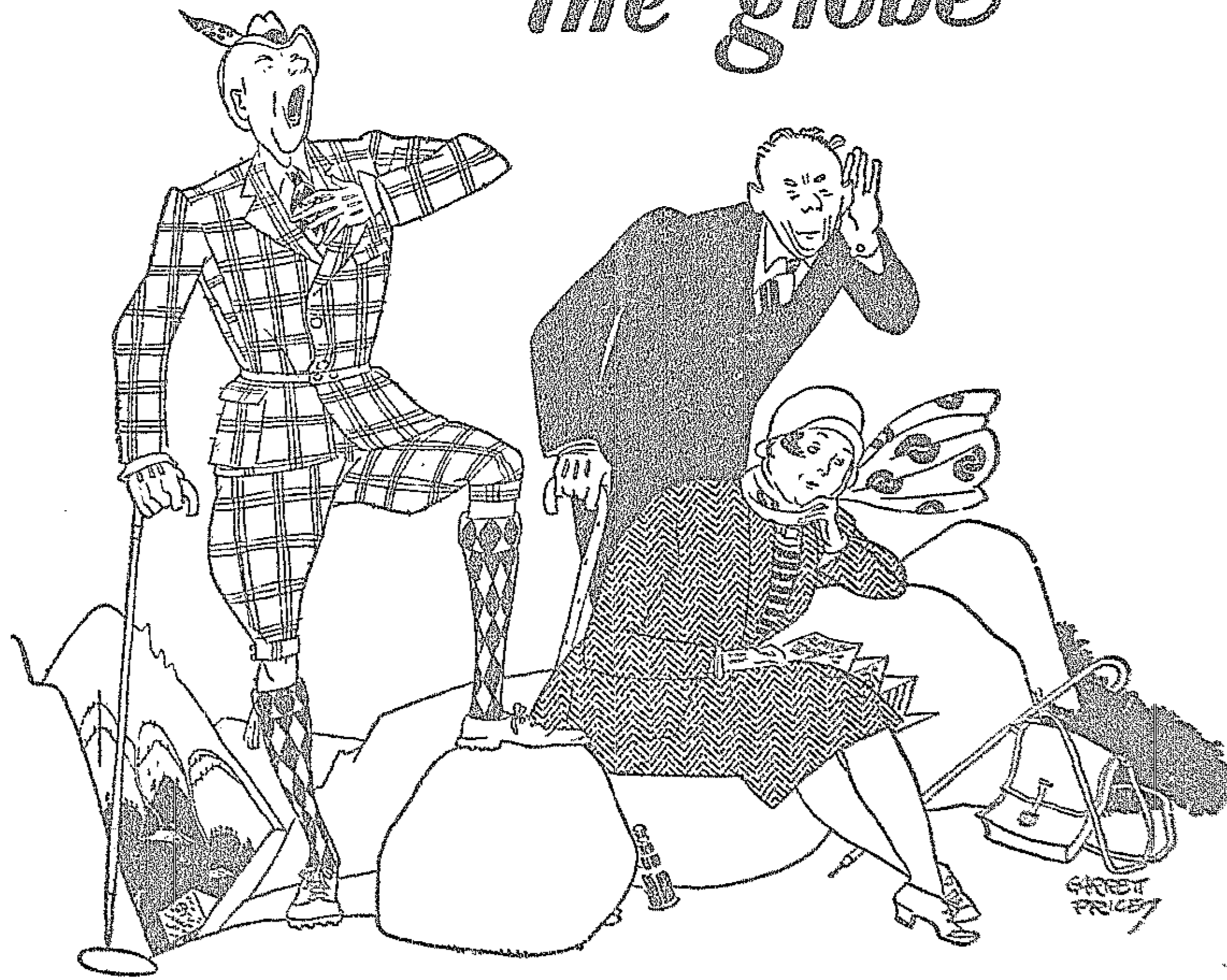


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## BASKETBALL IS HOGGING SCHOOL SPORT LIMELIGHT

### Half Hundred's Training Rigor To Demand Daily Workout

Coach Krafft's varsity basketball squad, composed of some forty-five earnest toilers, is making rapid advancement on the road to progress which bears all indications of being the most scenic since the sport gripped the school.

One week of practice brought out four score determined candidates, who boasted of possessing basketball talent and experience. Most of the candidates possessed certain traits that add to the list of qualifications, but their appearance brought on a great deal of problems that had to be contended with. The most perplexing of these was making the mythical selection of the best performers.

After the boys spent several evenings loafing on the oblong, Krafft set out to observe their ways and tactics of play. As a result of his discrimination, a score of applicants, who rated a little below par were weeded out but there is still a regiment left to select from.

There are a large number of prospects who show good form, speed and alertness. Krafft will concentrate on developing them until they fulfill all qualifications and display proficiency in the art of handling the pig-skin.

#### Another Week On the Home Floor

The boys will be put through a week's practicing at Armour and thence they will move their headquarters to the Armory. At the end of that time, the new machine is expected to function flawlessly and carry itself through the most successful campaign ever inaugurated at Armour.

Stellar, '29, and Olson, '30, at present, are looked forward to as two of the most promising candidates to represent the gold and black on the local oblong. They have been cavorting on the floor in a very plausible manner and give promise of being important cogs in the new machine.

#### Play Notre Dame In December

Recent bookings by Cal Johnson have put three more games on the gold and black schedule. Most notable of these is the game with Notre Dame on December 10. This gives the local outfit another month to get in shape for that important contest. In addition, a home and home series has been booked with Chicago Normal. Chicago Normal invades Armour Dec. 20, and Armour returns to Normal, Jan. 23.

#### Assistant Manager Not Yet Chosen

Krafft is confronted with a problem in picking an assistant manager for the team. He has four men to choose from and each one seems capable of handling the job. He announces, however, that he will not make a choice before the Christmas holidays.

The LaGrange cross country team failed to make its appearance at the Bartlett Gymnasium for the meet scheduled for Saturday, November 3; consequently, Armour was declared victor by forfeit. In order that it might be somewhat compensated for

## Total Honor "A" Membership 160; Dates To 1909

The Honor "A" Society held its initial meeting of the season last Friday, November 2, in Science Hall.

Attention was brought to the fact that every Thursday is Honor "A" Day and every member is held to wear his letter at least on that day. Its membership, including active and alumni, amounts to 160 with some memberships dating as far back as 1909.

The diagram on this page shows the charms that are worn by the members of the society. These are 10 K. gold watch charms, and a star on the charm indicates the sport in which the member has received his letter or letters by the location of that star on the "A."

The subject of awards and the idea of changing of the manager awards to those similar to other colleges and universities was also discussed. An alumni reunion is being planned, the idea being to have the alumni basketball game sponsored by the society, with a banquet or smoker afterward at one of the fraternity houses, to awaken the athletic spirit at Armour.

The following men were taken in to the society at this meeting:

- Charles T. Link, '31 (minor), baseball, '28.
- Donald J. Paul, '30, track, '28.
- Clarence J. Robin, '31, baseball, '28.
- William King Simpson, '30, basketball, '27, baseball, '27, '28.
- Edward John Stehno, baseball, '28.
- John R. Yount, '29, baseball, '28 (minor), track, '28.

## 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 6:** Is a player allowed to make a lateral pass after he has crossed the line of scrimmage? (E. C. K.)

**Ans.:** Any player can make a lateral or backward pass anywhere on the field play.

**Question 7:** On a punt by "A" the ball is touched by "B" and rolls into the end zone. Can "A" make a touchdown? (M. G.)

**Ans.:** Under the above conditions, if "A" recovers the ball it counts as a touchdown. "B" must recover it for a touchback. If "B" gave the impetus which sent the ball across his goal line by a fumble or juggle, he gets a safety if he recovers it, but if "A" should recover it, "A" gets a touchdown.

If "B," under the above conditions of the punted ball, fumbles or gives impetus to the ball that sends it across the goal line or side line, it automatically becomes a safety, no matter who recovers it.

its trip to the University of Chicago campus, the Armour team ran a practice meet of one and one-quarter miles, in which, of course, it took the first five places.

## Thru The Hoop

Another week has passed by and the boys on the team are doing setting up exercises in the gym—but they won't be any set up for opposing teams from the way things look.

"Scud" Kuffel and Billy Downes are back to help the Coach round his squad into shape. Last year "Scud" played with the C. A. A., while Bill played with the Duffy Florals. Both Kuffel and Downes are letter men in baseball and basketball.

In another week or two practice will be held in the Armory at 35th and Giles. The team will practice

every night after school then instead of three nights a week as at present.

About eight games will be played at home and the team deserves YOUR support. Surely, if they can sacrifice five nights a week to practice, the student body can turn out once a week for a game.

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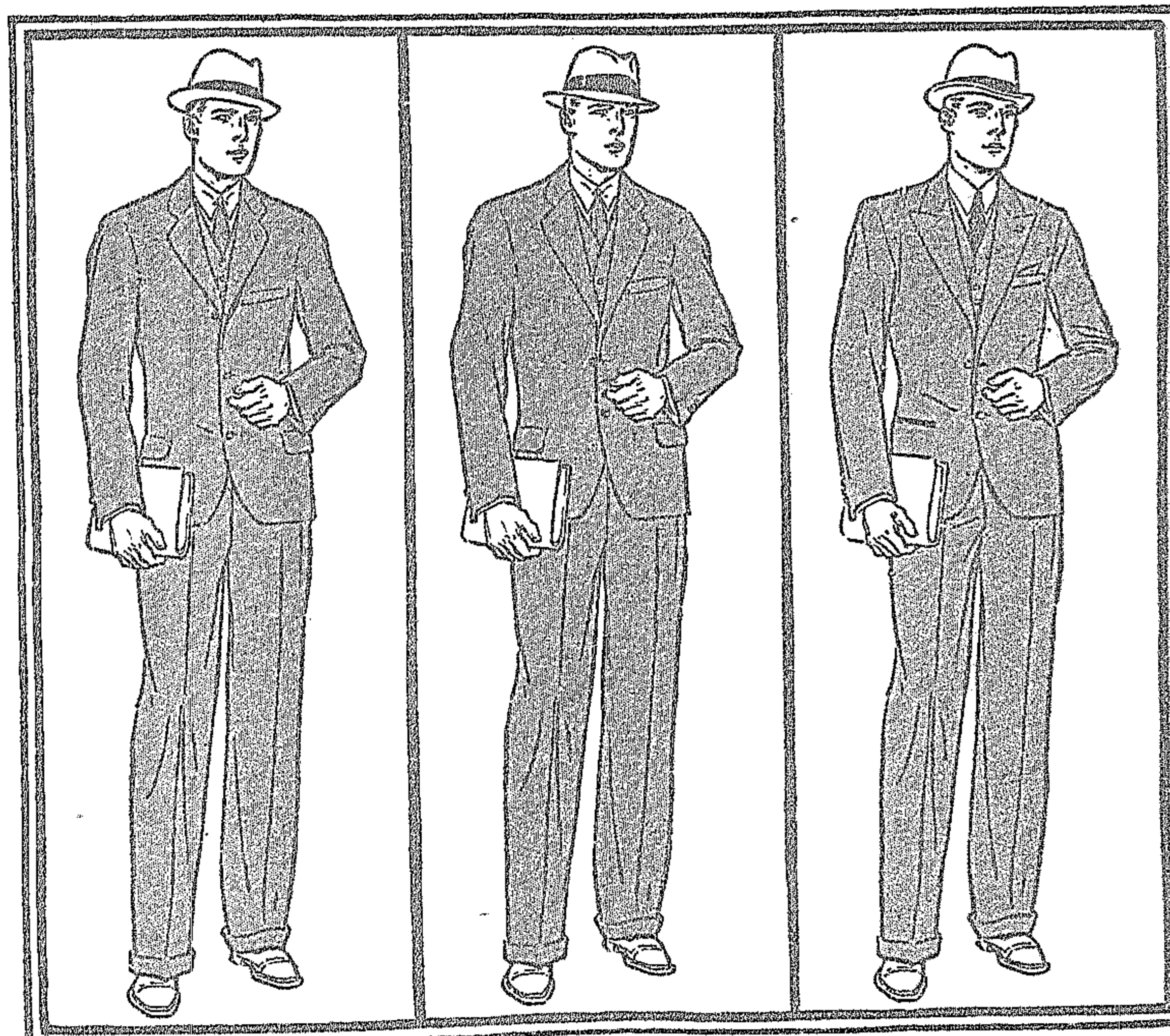
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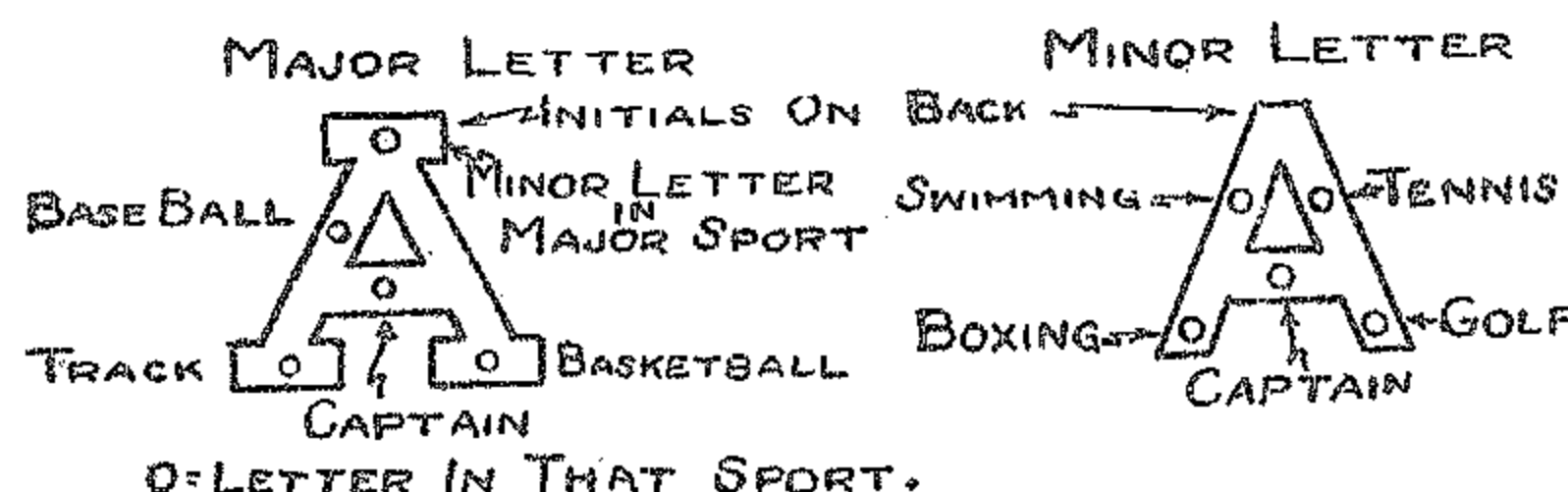
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