



SENIOR DANCE BIDS DISTRIBUTED BY SOCIAL COMMITTEE

Ray Shoan Appoints Men to Help in Sale

MUCH EARLY PROGRESS

Active sale of tickets has begun by Ray Shoan and his Senior dance committee, for the annual Senior dance to be held in the Red Lacquer Room of the Palmer House on Friday, December 6. The committee consists of Eugene Short, '30; Harley Mullins, '30; George Heller, '30; and A. J. Frost, '30.

Posters have been placed in prominent places around school, and members of the committee are endeavoring to place as many tickets as possible before the Thanksgiving holidays.

The advance sale is coming along very satisfactory, according to Shoan. He also wishes to announce that tickets will be available to outsiders, to others than students and Alumni of Armour.

The chaperones and the sponsors of the dance have not as yet been selected, but will probably be announced in the next two weeks. The Red Lacquer Room of the Palmer House is the main ball room of that hotel, and is widely known for its beauty of decoration, its magnificent finish. Such a place is a fitting setting for the last dance to be given by the class of '30.

Bids for the dance can be obtained from members of the social committees of all classes or from any of the following men:

- J. Bechtold.
- C. Rosenquist.
- A. Winkler.
- A. L. Carlson.
- R. B. Johnston.
- M. Whitfield.
- J. E. Tarman.
- C. Morris.
- P. Ruzevich.
- S. T. Garfinkle.
- G. A. Gibson.
- W. R. Manske.
- A. J. Frost.
- Rohrer.
- C. Robin.
- D. R. Gregerson.
- J. Czernicki.
- H. Mullins.
- E. Ransel.
- E. W. Short.

Any other men interested in obtaining a free bid, by selling ten, should see Ray Shoan as soon as possible.

Schommer Gives Grid Talk to A. I. T. Alumni

John J. Schommer spoke at the monthly Armour Alumni luncheon, held at the Chicago Engineers Club last Tuesday, November 5. Strange to relate, Professor Schommer spoke on a subject relating to football, a sport with which he has had some slight contact in the last twenty years. Thirty-one men were present to hear a most interesting recollection of football anecdotes and an explanation of the modern game.

The next luncheon will be held on Tuesday, December 3, at the Engineer's Club, 314 South Federal Street, according to J. Warren "Mac" McCaffery, Alumni Secretary. The speaker will be announced at a later date.

A. I. E. E. to Hear Talk on Utilities Friday

The Armour Branch of the American Institute of Electrical Engineers will hold their next regular meeting on Friday, November 15, at 10:30 o'clock, in the Physics Lecture Room.

The feature will be a talk by Mr. Alex D. Bailey, of the Commonwealth Edison Company. His topic will be "The Fundamental Unit in the Electrical Utility Field."

Feature Articles on Planetarium and Photography in Next Engineer

IS SCHEDULED FOR PUBLICATION NOV. 20

The Armour Engineer, the Institute's technical quarterly, is to make its appearance November 20, according to advices from I. Katz, a member of the managing board. This issue will contain many interesting features, and be clothed in an unusual type of cover.

Among the articles contained will be one on the new Planetarium which is being built in Grant Park, and one by N. D. Buehling on Telephotography. H. E. Stier writes on Spark Photography, and a non-technical feature by Professor John Schommer, the exact nature of which is not being disclosed is scheduled.

R. McNerney reports the Engineering College Magazines Association

Convention which the staff members of the Engineer attended a short time ago. J. B. Ellman gives the description of the Civil Summer Camp at Camp Armour.

The Engineering News and the Humor department also promise some new features.

The present staff consists essentially of the following men:

- N. E. Buehling, Editor.
- H. H. Stebbins, Business Manager.
- I. Katz, Associate Editor.
- F. H. Bigelow, Local Editor.
- C. G. Anderson, Editorials.
- H. E. Stier, Articles Editor.
- E. W. Hanke, Engineering News.
- J. A. Ransel, Art Editor.
- B. H. Roffee, Humor Editor.
- R. B. Mortenson, Staff Assistant.

Touch Football Becomes Popular

The football situation at Armour has, for the present, resolved itself into a state of "touch-me-not" with crowds of students playing touch football on Ogden field at all hours of the day. The one main point about touch football as it is played locally seems to be that the harder a man is "touched," the surer the "toucher" is that he will be down. In fact, some runners, after being vigorously touched have remained down for several minutes.

Inter-Fraternity Games

Although the boys have no uniforms, they execute flying blocks and tackles in a manner reminiscent of the time when they were "All-City" high school football players. The players appear to be split into two main groups, the Civils, and the Fire Protecs, with a sprinkling of other courses mixed in. A few of those who have been practicing lately are Weitzel, Johnson, Hanke, Sanborn, Fensterle, Fishman, and Karl. Probably Joe Nebel will have to be considered the most important man on the outfit since he owns the ball.

A few inter-fraternity games have been played more or less unofficially, the Triangles playing the T. X.'s on last Friday, while the Sigma Kaps played a game yesterday. The Triangle Men emerged on the long end of a 16-6 score.

If as many men would turn out for a real football team as do for touch football, Armour would have at least fifty "hams" out for a varsity.

Scherger to Speak at Polish Program

Dr. George L. Scherger will speak Friday night, November 15, at 8 o'clock, on the program of the International Night, a regular feature which is presented by the various nationalities represented at the Chicago University.

The program is given at the Mandell Hall of the University, and for next Friday is arranged by the Polish group of the International Students Association of Chicago. It will commemorate the one hundred fiftieth anniversary of the death of General C. Pulaski, Polish patriot, who gave his life in his services to our country in the American Revolution.

Prof. Scherger's topic will be "The Life of Pulaski."

FLASK AND BEAKER

Flask and Beaker held a smoker at the Delta Tau Delta house last Friday for alumni members and members of the Junior and Sophomore classes in Chemical Engineering. It was previously announced that this smoker was to be held at the Theta Xi house.

NOTICE

The Armour Tech News smoker will be held tomorrow night, November 13th, at 8 o'clock, at the Theta Xi House. The fifty staff members are expected to be present to partake of the refreshments and smokes. Professor Walter Hendricks the faculty advisor of the News, will also be there.

Five Men Pledged by Salamander Fraternity

Salamander honorary Fire Protection Engineering fraternity announces the pledging of the following men:

- Joseph Lossman, '30.
- Allen C. Haegel '30.
- N. C. Narten '30.
- Charles H. Jones '30.
- Alfred Wilde '31.

Mr. Fitzhugh Taylor, founder of the department of Fire Protection Engineering at Armour Institute and for the past years associated with Underwriters' Laboratories has been awarded honorary membership in recognition of his work in the field of fire protection.

Award Offered for Xmas Concert

A cash prize of \$5 has been offered by Pi Nu Epsilon, honorary musical fraternity, for the best program for the annual Christmas Concert to be held Thursday, December 19. Programs may be submitted by any one enrolled in school outside of the members of Pi Nu Epsilon.

The annual Christmas Concert usually lasts from one hour and a half to two hours, including all encores. Encores need not be included in the program. The program selected from the prize will not necessarily be used in its entirety for the concert. The program should contain not only orchestral numbers, but selections for the glee club and for solo work. New features will count heavily towards the winning of the prize.

The committee to decide upon the winning program will consist of Prof. Leigh, Faculty Advisor to the Musical Clubs, J. Emmett Higgins '30, Frank J. Aste '30, and Jack Hurley '30.

Bryant Appoints Soph Assistants

J. E. Bryant has appointed the following members of the Sophomore Social Committee.

- G. Schodde
- H. Hendricks
- A. Jungels
- S. Lind

Senior Chemicals Visit Youngstown Coke Plant

The Senior members of the Chemical Engineering department made an inspection trip Tuesday, October 29, to the Coke plant of the Youngstown Sheet and Tube Company.

A large battery of coke ovens was seen in operation. Each has a capacity of fifteen tons of coal. It takes sixteen hours to complete the heating process. After this time has elapsed, the ovens are opened and a huge arm pushes the red hot coke into waiting cars. These are moved along under sprays of water which deluge the coke until it is cooled.

The ammonia plant was also seen in operation. Here there were three complete units for the recovery of the ammonia. Each unit contained a still, washers, coolers and other necessary apparatus.

Fifteen Seniors, accompanied by Professor Bentley and Mr. Ullock, made the trip.

General Abel Davis Speaks at Armistice Day Assembly on America's Part in World War

Armour's New Symphony Orchestra Makes Its Initial Appearance

RAYMOND INTRODUCES SPEAKER



BRIG.-GEN. DAVIS

Brigadier-General Abel Davis, Vice President of the Chicago Title and Trust Company, gave the address at the Armistice Day assembly held yesterday morning in Assembly Hall. He was introduced by President Raymond in a short speech as one of the outstanding men of Chicago. The address, "Beyond the Home Lines," followed. The new little symphony orchestra gave a few pieces before President Raymond spoke, and also played the Armour Fight Song, at the close of the Assembly.

In his speech, General Davis said that America won the war in the same manner that a pinch-hitter wins a ball game. The Allies had fought for three years, and had exhausted themselves and also partially exhausted the Germans. Then America's contribution at the right time, along the most courageous lines of any army in the history of the world, crushed the Germans.

American troops were forced to learn entirely new methods of fighting, all by theoretical practice. Then they were thrown into action, untried in service. Their bravery and ability came as a welcome surprise, their spirit was an inspiration to the wearied French and Italians. The Americans showed courage by their actions, advancing into danger and sometimes certain death while fully aware of their probable fate. The example of a squad of men who drew the fire of a machine gun nest upon themselves in order that the rest of the men could pass unharmed was given. Fifteen men deliberately gave up their lives in this instance to keep their fellows in the regiment from danger.

The best soldier was one who "was a God-fearing, church-going youngster, who had lived up to all the tenets of decency and propriety. He was the best soldier who with dying lips would say to his

(Continued on page 3)

Alumnus Travels thru Italy in Ford

J. M. Valerio, '09, E. E., who journeyed to Italy with his wife in a "Model A Ford", has an interesting description, including snapshots, of his travels through France given in the October issue of the Western Electric News. He is now the Chicago Installation Foreman of the Western Electric Company.

The Valerios made this trip in order to have a family reunion along the Adriatic shores.

He states that in France there is no free air. "You must go to a garage where they ask four francs (about 16 cents) to fill five tires." He also maintained, and with the air of a man absolutely convinced, that France had the most magnificent asphalt roads he had ever seen. Especially if the motorist would follow the Grand Routes. And what beauty! The roads are lined on both sides with tall straight poplars, like West Point cadets on dress parade. Near Rheims they grow a hundred feet tall. Near the tops the bark had peeled off, leaving a rich golden brown color which, as Mr. Valerio described it, "gave the effect of a Gothic temple with majestic columns and gilded spires."

On ending, he says that service is wonderful. One can get a wonderful dinner in Paris for only 25 francs. That is about \$1.12 for two dinners of soup, meat, vegetables, dessert and sauterie. Fifty-six cents apiece. Well, he concluded, this was Paris!

Palmer-Miser Text Widely Accepted

Dean Palmer's latest book, "College Algebra," written in collaboration with Professor Wilson Lee Miser, bids fair to threaten the supremacy of his "Plane and Spherical Trigonometry" as the best selling mathematics text book in the country according to reports from McGraw-Hill Book Company. The fall issue of the "McGraw-Hill Book Notes" contains a list of forty colleges and universities that have adopted this algebra as a text book since its appearance last year. The institutions listed are those such as the University of California, University of Southern California, University of Minnesota, United States Naval Academy at Annapolis, University of Chicago; even institutions limited to girls only such as Mary Baldwin College, and Ward Belmont College. Dean Palmer is at present the author of twelve mathematical text-books, the value of which has been recognized throughout the country by leading educational authorities. The total number of copies of his books published runs into several hundred thousand.

Swedish Sculptor Visits Chicago

Carl Milles, the noted modern Swedish sculptor, is here on his first visit to the United States.

He is holding a conference with ten of the leading Swedish American citizens of Chicago about the placement of one of his greatest works of art, the Triton Fountain. These men are interested in showing the Swedish architecture to the people of America.

Mr. Milles will be the guest and speaker at the November meeting of the Chicago Chapter, American Institute of Architects, to be held tonight at their clubhouse, Prairie and 18th Streets.

Water Color Exhibit Held by Architects

The architectural faculty are holding a water color sketch exhibit at the Art Institute drafting rooms this week. Any students who made sketches this summer are invited to submit them. The professors who will probably have their drawings included in the exhibition are the Messrs. Reed, Bentley, McCaughey, Suter, Hoffmeister, and Peterson.

CALENDAR

- Wednesday, Nov. 13
Armour Tech News Smoker
Theta Xi House
- Friday, Nov. 15
10:30 A. I. E. E.
Meeting in Physics
Lecture Room
Basket Ball Practice in Gym.
- Monday, Nov. 18
Basket Ball Practice at
Armory, 35th and Giles

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SENIOR JACKETS

If the seniors really get senior jackets, they ought to get jackets of appropriate design. The engineering motif ought to be carried out in full, both in the spirit of the design, and in the material used. In other words, something distinguished.

The slide rule, symbolic of all that an engineer does should be incorporated. A slide rule is an instrument, by the use of which a large amount of unnecessary labor may be avoided. It also makes speed possible. Surely this is just the aim to which the engineer strives. He eliminates the unnecessary work in modern construction, in manufacturing, and in industrial processes. Therefore, let us by all means include the slide rule in our design for the jackets. A long narrow pocket, built especially to hold a "slip stick" might be built on the side of the coat with proper reinforcement. Or a picture of each individual slide rule might be sewed across the front in full size. Those that own a big twenty inch log log might be bothered, but the average man could get along.

Another big thing in the rising young engineering student's life is a good handbook or two. By the aid of one of these, all questions on love, philosophy, mechanics, electricity, and social etiquette may be answered. The ideal senior jacket will have the names of a couple of handbooks appropriately embroidered across the back where they may be easily seen for reference purposes. There should also be two or three big pockets for handbooks.

Then there should be accommodations for a drawing set, T-square, spare covers for number six paper, about a pound of number six, a dozen or more sheets of Freeman and Snow, a French curve, and a few other minor trifles.

The ideal jacket would be complete in itself, so as to eliminate the need for other clothes as much as possible. Perhaps it could be built somewhat on the order of a pup tent; then again it might be built on the order of a knapsack, or even might resemble a modern three-room (with kitchenette) apartment.

The material should be reinforced concrete or steel as is the latest mode in engineering construction. Every man would be furnished with a little wagon to haul his jacket around, and the more ambitious ones could put a one-lunger gas engine on the said wagon and ride along with the jacket.

"Be deaf unto the suggestions of tale-bearers, calumniators, pick-thank or malevolent delators, who, while quiet men sleep, sowing the tares of discord and division, distract the tranquillity of charity and all friendly society. These are the tongues that set the world on fire, cankers of reputation, and, like that of Jonas his gourd, wither a good name in a night."
—Sir Thomas Browne

THE SLIPSTICK

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

Sleep

'Twas night; the camp was sound asleep.
The moon was shining bright.
The sentry wrapp'd in slumber deep,
Was keeping out of sight. E. C.

Says Van: "Every beam has its moment."

This Is a Scream

The scream is the woman's threat. It calms her conscience and spares her desire. For it is convincing enough to satisfy her sense of duty and yet too unconvincing to check her man's intentions. It furnishes an excuse for the inquisitive elders, and a thrill for the provoker's pleasure. The scream is the woman's threat. But who ever heard her voice it?

Reporter: "Senator, what did you do before you became senator?"

Senator: "I used to run a hand laundry."

Rep.: "Why did you give it up?"

Sen.: "She divorced me." B. W. G.

You can't act like a pilgrim and make any progress.

What's the Analogy?

Despondent Freshie: "Why do I have to struggle through this awful home work?"

Optimistic Senior: "Cheer up, the mighty oak was once a nut like you." Chester.

ANSWER DEPARTMENT

Column Konductor: "A lady goes upstairs at 9:00 to dress for a dance. She is nineteen years old and weighs 120 pounds. What is the wait of the young man concerned?" Chester.

Dear Chester: "Probably much longer than he expects."

K. K.: "I am just learning football phraseology. Please explain a 10 yard gain." Joe.

Dear Joe: "This question really belongs elsewhere in this paper; however, we will try to help. A ten yard gain is the amount of distance traveled in two hours, waiting in line to buy your ticket. You're welcome."

Professor: "Give me a sentence with "month" in it.
Judge: "Thirty days."

Alpha—"Nice tie you've got there. Where did you get it?"

Beta—"Over at the house. I was first up this morning."

A man recently shot his wife because she refused to talk.
They ought to hang him. R. S. F.

J. W. T. holds a different opinion as to why the hammer was near the fountain. He thinks that if the hammer did not dissolve when held in water (?) you could drink it. A very good test indeed.

P. S.—We think they ought to put a wrench there now, so that you could TURN the handle when you wanted a drink.

Honey does not come from spelling bees.

No Compliment

1st: "Gee, I'm all excited. You know what my girl told me last night?"

2nd: "No."

3rd: "She said I was priceless."

4th: "Oh, so you're broke again." Walt.

What is so rare as a day in June?

Lest it be now—October.

What is so rare as a drunken pair?

Unless it be one sober. H. W. H.

Clever is the man who can put to and to together and get "toot." R. S. F.

We heard a good one about a Scotchman fracturing his skull, but forget how it happened, or else we would tell it.

STATISTICS

Only two per cent of the men on earth can sing, we are told.

Nevertheless, the remaining 98 per cent still insist on attempting "Sweet Ad-o-line."

First: "Is my face dirty or is it my imagination?"
Second: "Your face isn't, but I don't know about your imagination." Walt.

Most girls who haven't brains enough to cook a dinner have beauty enough to get one without cooking it.

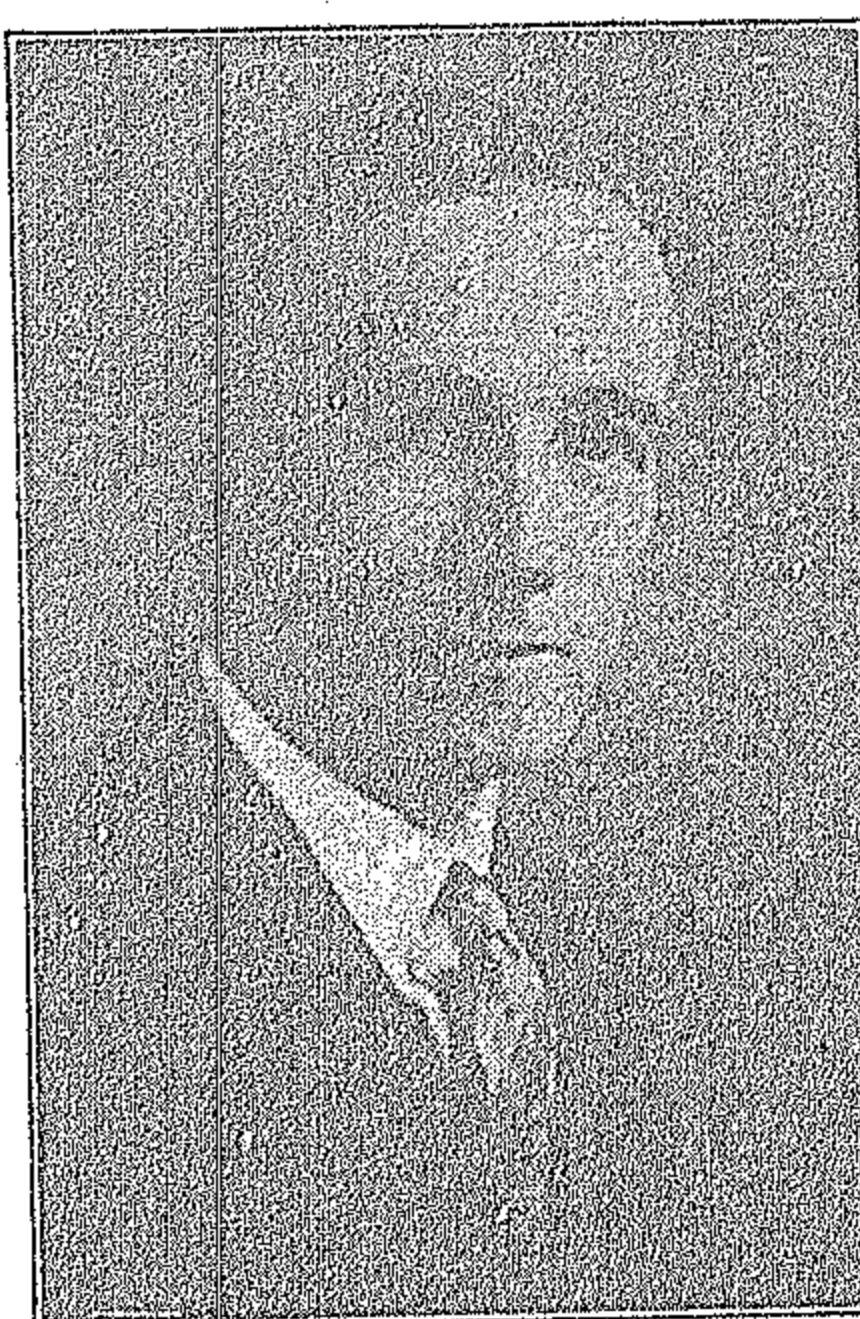
Boost Chicago, the city of Go—(amber)—and Stop.

Modernism

Motorist: Gimme five gallons of gasoline.

Attendant: Sorry, but we don't handle gasoline, mister. We got Motorese, Mile-amin' High Test Speedit, Benzorolino, Green, Blue, and Orange Roadzip, and Aviation Petrol. Which do you prefer?

Still keeping up that 80 per cent problem average? "K. K."



Professor James Clinton Peebles

(A Biographical Sketch)

BY STEPHEN JANISZEWSKI, '30

James Clinton Peebles, Professor of Experimental Engineering, was born in Dreghorn, Scotland, November 28, 1880. His parents came to the United States when he was six years old and settled in Shenandoah, Iowa, where he received his elementary schooling and one year of high school. At this time Chicago became his home and he attended the Lewis Institute Academy, graduating in 1900.

Electrical engineering was Professor Peebles' choice when he came to Armour Institute that same year. He played third base on the Armour baseball team and managed to bat over three hundred in addition to his regular studies. Completing his course in 1904, he was graduated with a B. S. degree in electrical engineering. Following his graduation at the

Institute he took a post-graduate course at Cornell University for two years. He received the Master of Mechanical Engineer's degree in 1906 and for two years was an instructor in experimental engineering on the Cornell staff.

In 1908, Professor Peebles was added to the Armour faculty. That same year he received his E. E. degree at Armour. During the last twenty-one years he advanced through the ranks to the Professor of Experimental Engineering.

Professor Peebles has made a study of thermal insulators for refrigeration and building construction, in which line he has been engaged as consulting engineer. He has served in the capacity of consulting engineer for many years for several refrigerator car lines.

Professor Peebles is a frequent contributor to scientific and engineering magazines. He is a member of the board of contributing editors to "Heating, Piping and Air Conditioning Magazine." He wrote a book on "Furnace Efficiency," which is devoted to the question of efficient combustion for boiler furnaces.

Activities in engineering societies have taken some of the professor's time. He is a member of the committee on heat transmission of the American Society of Heating and Ventilating Engineers and a member of a similar committee in the National Research Council. He is also a member of the American Society of Mechanical Engineers and the Society for the Promotion of Engineering Education.

"The Armour Engineer," of which Professor Peebles is faculty advisor, has been the recipient of regular contributions from him.

Professor Peebles belongs to Sigma Xi, Tau Beta Pi, Pi Tau Sigma, Gamma Alpha and Sphinx honorary fraternities. He also belongs to Sigma Kappa Delta.

In 1910, Professor Peebles was married to Lulu Lintner, of Aurora,

Reichstag Member Writes Frank Oster

Some of the rewards of his hobby were unfolded recently when Frank Oster, Custodian of Buildings, allowed a News reporter to read a letter received this summer from Tony Sender, the leading woman member of the German Reichstag.

Following the completion of the Graf Zeppelin, it was planned to make a trial trip over the Mediterranean, the Holy Land, and then return. Almost the first person to seek passage was this brave lady, one of Germany's leading political figures. After some consideration because of the fact that she was a woman, she was accepted as a passenger.

As the newspapers published reports of the flight, Frank gathered a complete account of the venture. These he mounted tastefully on a long roll of paper, and sent to the brave woman passenger. He was rewarded for his work by the following letter, written in German, which was later translated by Professor Scheeger:

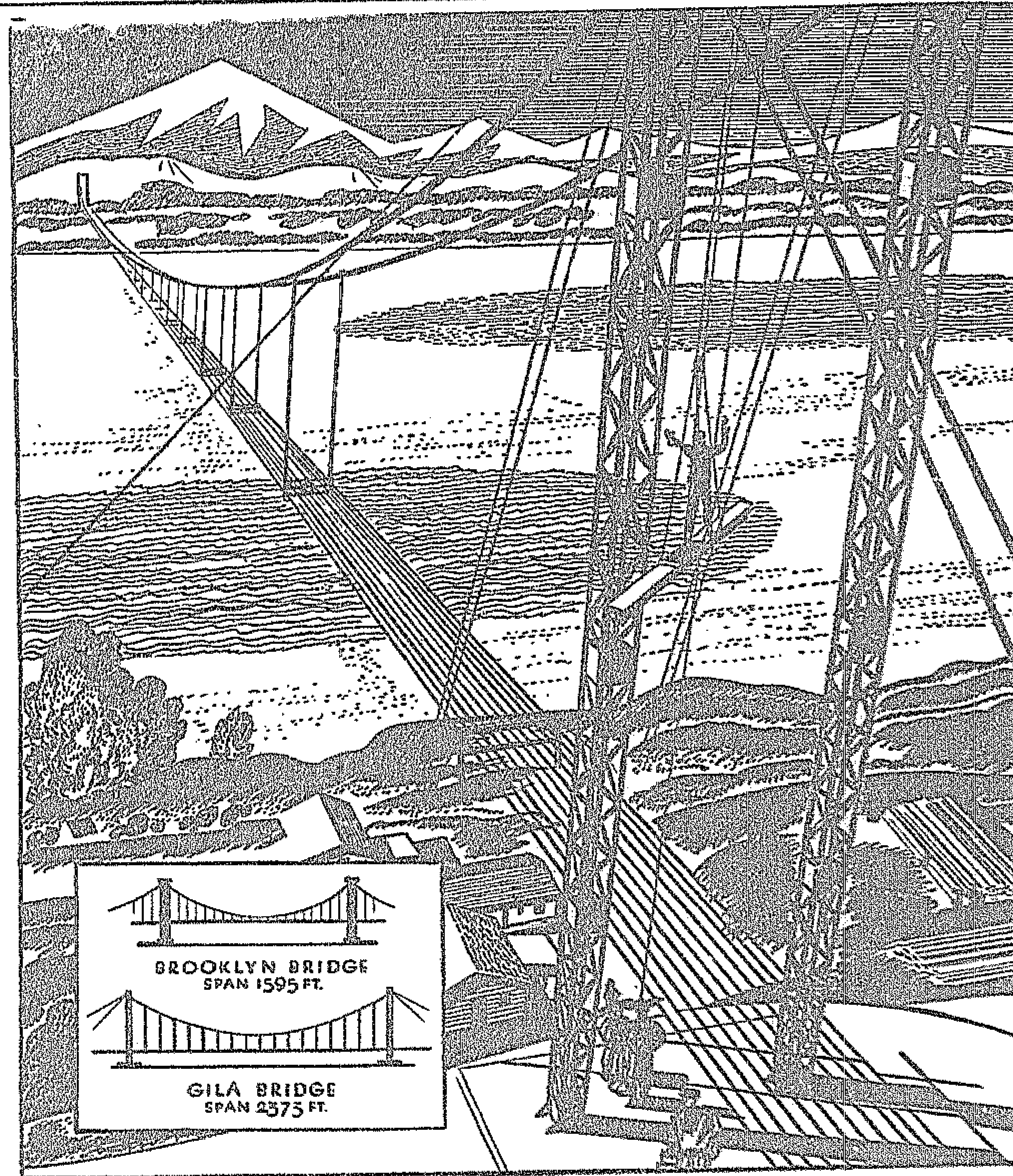
Highly Esteemed Mr. Oster:
You surprised and delighted me by your valued missive. Please accept my warmest thanks for your kind attention.

Your conjecture is certainly correct. This flight was beautiful as a fairy tale and will always remain one of my most treasured recollections. Unlike other memories of trips it will have fewer details but all the more the connection of the various lands to one another was brought out.

This invention of a genius will contribute much to bringing together the various nations of the earth. The beginning has already been made.

With warmest regards,
Tony Sender

Illinois. He has one son, who is a freshman at Illinois University.



All in a day's work for telephone men

A specimen of construction work in the Bell System is the new catenary span carrying telephone wires across the Gila River, Arizona. The "natural" obstacle is no longer an obstacle while there are telephone men to find a way through it or over it.

This is but one example in a general ex-

pansion program. Others are such widely varied projects as linking New York to Atlanta by cable, erecting 200 telephone buildings in 1929, developing a \$15,000,000 factory at Baltimore.

The telephone habit is growing apace, and the Bell System will continue to keep a step ahead of the needs of the nation.

BELL SYSTEM

A nation-wide system of inter-connecting telephones



"OUR PIONEERING WORK HAS JUST BEGUN"

REVIEWS

MASKS IN A PAGEANT
The Macmillan Co., 1928
Co., 1928

Living, as the majority of us do, in the politically-ridden city of Chicago, most of us are somewhat interested in the subject. Unfortunately, most of the books on this topic are entirely too technical in their make-up as to interest a man with the minimum of time for outside readings.

"Masks in a Pageant," by William Allen White, has mastered this difficulty by presenting all of the presidential controversies and the contemporary politicians since the days of Harrison to Coolidge. Inasmuch as he has known all of these men personally, we can expect something different than the subject matter might seem to afford.

White writes in a bitter, satirical, acid style, and we see the various men stripped of their glamour. Character analysis seems to be an easy operation to White; the underlying motives of these men seem clear and defined to him and he presents them in a most straightforward and frank manner.

Perhaps it may shatter some of the lovely stories that one is given to believe by the advocates of political domination, but White certainly can make much of the mystery of politics disappear by his conjuring wand, the pen.

As the younger men of the country, we would be most interested in Wilson, Harding, Coolidge, Al Smith, and "Big Bill" Thompson, all of whom are analytically dissected by the merciless author.

To show the deepness of his style, I quote the following from the chapter on Harding. "The gods of the times created him out of the red Ohio mud and put him to dry against the fence outside the Executive Mansion; and when they breathed the breath of opportunity into his nostrils, he walked in."

Smith and Thompson must undoubtedly interest us the most. The "Young Princes of Democracy," as he, with his searing humor, has named them, are exposed for just what they are. In reading, one notes that White does not condemn, often seems to praise, but at all times is deeply pointed in his remarks.

His views of Thompson are enlightening to those of us who cannot understand how he won his last election. We see "Big Bill" as a most successful bully and braggart; but White pictures him in no gentle terms, and we are left in no doubt as to his real nature, despite his apparent popularity.

We read of Big Bill "standing, a brawny boss, feet apart... leaning about with his thick-lipped, loose-mouthed smile, his eager, shallow eyes, and flicking one lewd wink at his audience as he trumpets... 'Shoot 'em in!'"

This book will prove a delightful source of information for all of the men who have any interest in political movements; the thoughts are good, the style is superb, and the topic is timely. A. B. A.

New Piano Like Human Voice

A new type of piano which is called a revolutionary musical development, has just been patented by Dr. John Hays Hammond, Jr.

The invention increases the sonority of the piano, lengthens the vibrations and sustains the capacity and volume of the tone. Often the pianist has desired to influence the tone of the piano after the keys are struck. With the new instrument it is possible to do this and to produce a vibrato tone which so far could only be produced by the human voice or by string instruments.

The piano looks very much like the usual piano except that the strings are enclosed in a sound-tight casing having two sets of shutters, one above the strings and the other below the sounding board, which are opened and closed by means of a fourth pedal. The shutters act as reflectors and produce an effect called "acoustic regenerations," sustaining the sound vibrations for a much longer time than is possible in the ordinary piano. Manipulation of the extra pedal removes inflexibility and shortness,

M. I. T. Holds Frenzied Field Day Battle

Recently, the Sophomores and Freshmen of Massachusetts Institute of Technology staged their annual field day and battle. We reprint a few of the high lights of the day:

Unusual forms of ammunition were employed by both sides in the battle. Sophomores used eight crates of rotten eggs, most of it cost a dollar a crate, but fifteen dozen were donated by an old Tech man in the firm of Lewis & Mears.

The Sophs had cleaned out the bad egg market so thoroughly, the freshmen were forced to pay 47 cents a dozen for cold storage hen fruit. The rotten ones had the advantage in point of odor, the petrified ones were harder.

When a cold storage missile landed it cut. One was seen to bounce off a second year man's cranium and then splash against the fence.

One luckless freshman was observed fully dressed under a shower. He was busily engaged in soaping off the nauseating odor of ancient hen fruit.

The freshman egg barrage forced the band to move into the Sophomore stands for protection. Then after ruining the uniforms, they drove their classmates out of the stands into the Track House.

Sammy did not get hit this year.

Transmission grease in paper bags was a favorite weapon, while wads of plaster of paris bound in straw ranked a close second. Fish heads were very much in evidence.

The freshmen did not march onto the field preceded by the band as is the custom. An egg bombardment from the "roof gang" kept them clear. Incidentally the doors to the roof were protected by fire extinguishers, in case there should be a raid in retaliation.

A janitor presumably in the pay of the recipients of the afore mentioned barrage attempted to stamper the roof gang with the statement that Major Smith was on the way with an army. But the roof gang knew Major Smith and held the fort.

It seems that the fire extinguishers keep right on functioning once they are started regardless of the engineering ingenuity brought to bear upon them.

The Sophomores hunted in packs of eight in the glove fight. Learning from their last year's experience when a luckless man shouted for help the numerous freshmen mobbed him, they carefully refrained from shouting "32" no matter how hard pressed. Instead each unit had a number of pass words such as "Leo," "Roof-gang," "Dorms," and "Devils," not to mention others not fit to print.

When the gun went off the Sophomore line held steady without moving to make the freshmen come to them. This established the line of scrimmage close to the Sophomore barrel so they would not have to travel so far with the gloves. It also prevented any group from getting cut off from venturing too far into the enemy lines.

One freshman raiding the Sophs to regain a 33 banner was captured and sent back "au natural."

Some Sophs tore their captured gloves in two before turning them in.

the chief drawback of the old piano tone. The tone effects and shading made possible have caused the instrument to be called a "breathing piano."

On this new piano, Loster Donahue, pianist, has given many performances during the last two years. It is practically effective for modern compositions such as by Debussy and Scriabine written in impressionistic style and demanding varying nuances of sound.

Dr. John Hays Hammond, Jr., has received 400 patents, many in the radio field, and he is also an excellent violinist.

Davis Speaks at Assembly Monday

(Continued from page 1)
comrades, 'Give my love to mother, and give them hell.'"
Tribute, according to General Davis, must be paid to the dead, sacrificed because of a nation's devotion to its ideals of liberty. So that others will not suffer and die, we should see to it that there shall not occur other great wars, but that our nation will join hands with others in peace.

General Davis served in the military forces of the United States in Cuba during the Spanish American War, on the Mexican Border in 1916, and in the World War in command of the 132nd Infantry, U. S. A. He was decorated by the United States Government with the Distinguished Service Medal and Distinguished Service Cross, and the French Government made him an Officer of the Legion of Honor. Because of his splendid work and his courage, General Davis is recognized as one of the outstanding military heroes of the country.

General Davis is a man who has served his country with the same zeal, interest, and capability in civil matters that he has shown in military matters. He is, besides being Vice President of the Chicago Title and Trust Company, a member of the Bar, Chairman Advisory Committee Forest Preserve, member of the Chicago Plan Commission; he has been a member of the state legislature, and Recorder and Registrar of Cook county.

Armour's new little symphony orchestra, recently formed by a combination of members of the band and orchestra, made its first public appearance when it played in assembly yesterday. The numbers which it rendered showed great possibilities for the future of this new organization.

The Arkansan Press Club makes an annual presentation of a live razorback hog to the one who does the most for the college during the year.

FRATERNITY NOTES

PHI KAPPA SIGMA
The Phi Kaps held their annual Parents' Day on Sunday, November 10, at the Chapter House. November 23 has been set as the date for the housewarming dance. Alpha Epsilon of Phi Kappa Sigma wishes to extend a cordial invitation to the faculty and students of Armour Institute.

DELTA TAU DELTA
The annual Weiland Freshman Banquet, held in the Red Room of the Hotel La Salle, was attended by the entire pledge body and most of the active chapter, Saturday, November 9.

Paul Malm, M. E. '31, who was forced to remain out of school for the semester on account of sickness, paid the house a visit Tuesday, November 5.

SIGMA KAPPA DELTA
Another one of the boys is to take the fatal step. This time it is Robert E. Brummond '28, who is to be married on November 15.

TRIANGLE
Triangle takes pleasure in announcing the pledging of Edward Kenner, F. P. E. '33.

PHI PI PHI
Phi Pi Phi announces the initiation of G. Reichle, Arch. '20, H. Seichtenburg, M. E. '32, M. Morgan, C. E. '31, and J. B. Finnegan, Jr., F. P. E. '32.

Phi Pi Phi also announces the pledging of G. Hill, F. P. E. '32.

SIGMA ALPHA MU
The members and alumni of the Sig Alph are looking forward to a big time at the annual Pledge Party, which is to be held November 16, at 1322 Chase avenue.

THETA XI
Theta Xi held open house last Saturday evening following the Wisconsin-Chicago football game for several members from the Wisconsin chapter.

Civils Make Two Inspection Trips

(Continued from Page 1)
the battery room visited, and then the party went to a switch where the operating mechanism was explained.

Disposal Plant Incomplete
Friday, the men visited the sewage disposal plant. This plant, located at Laramie and 39th street, disposes the west side sewage and the north side sludge from the Howard Avenue Plant. It is not yet completed; the men being able to observe the processes of construction. When finished, it is to be the largest in the world of the Imhoff type, where the sewage is allowed to settle in huge tanks. The project has been under construction for a number of years, lack of funds holding up the construction. As the work consisted largely of concrete and steel, it was of the utmost interest to the men.

The first trip was under the leadership of Professor Grafton, and the latter under Professors Stevens, Heald, and Pierce.

According to a recent survey at the University of Iowa, an average of 40,000 cigarets are smoked by 800 women in a week. The female smokers comprise about one-third of the women on the campus. They are less secretive about buying their luxuries than they were formerly, but they now purchase them over the counters, and in cigar stores where they can have their lighters filled. The survey also showed that the high-priced, fancy-wrapped brands are not popular with the women.

Football Again
As we glance out the window and notice the crowds gathered to either partake or to watch the touch football game which is in progress in Ogden Field, we feel that Tech should have a football team where these men can blow off some of their excess energy.

ALUMNI NEWS

A feature article about George Jennings, ex-'29, appeared in the last issue of the "Public Service Company of Northern Illinois News," house publication of that organization. A large picture of George in action showed that he has not lost the touch of the tennis racket. He recently entered the employment of the Public Service Company of Northern Illinois.

An announcement has been received that the marriage of F. J. Pischke, '28, to Miss Edith Godar is to take place on Saturday, November 23 at St. Viator Church.

Harvey Dozois, '29, writes in that he and LeRoy Bernhard, '29 are going through a training period of several months as members of a group of five connected with the Chief Engineer's Dept. of the Illinois Bell Telephone Company. According to Harvey, some of the work is almost as hard as school.

Rumors have been floating around that Fred Jurgensen, '29 is now married. Fred was president of last year's senior class.

Fred Payne, '28, was in town recently for the week end.

"Bugs" Balch, '12, sends word from Madison, Wisconsin, that he is busily engaged in "architecting."

John G. Attwood, '29, formerly staff artist for the News, is now Assistant Research Chemist at the Battelle Memorial Institute, Columbus, Ohio. He is at present working on problems concerning steel production methods.

YALE UNIVERSITY

Yale University spends \$2 for every dollar that the students pay for tuition. Fellowships, scholarships, and loans were given to 1,269 men last year. The total amount disbursed by the university in this manner was \$484,595. Faculty salaries have been increased this year as a result of the large amount of money which the school received through endowments. Students may borrow money without advancing any security.

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COMPLETE CAGE SCHEDULE GIVEN OUT BY MANAGER

Seventeen Games Are Carded for Basketball Team

ELIMINATE CANDIDATES

Eyeing a schedule of fifteen games, Coach Krafft is seriously facing the job of molding a well-balanced team from the twenty-five candidates remaining. Although no cuts have been made, the turn-out has dropped off very noticeably. It doesn't look very good when only twenty-five men turn out for the second week of practice in a school of 750 students. Quality, however, and not quantity, makes up a basketball team, since only five men make up the playing team. So Krafft is working hard to find five men and the necessary seven others to make up a squad. Two or three weeks will tell definitely whether the necessary quality is on tap.

Short Drills Held
Although practice is still confined to fundamentals, the work is becoming a little more like scrimmage. Short drills are held in attack against a guard. This enables Krafft to point out mistakes in both defense and offense.

When the squad takes to the Armory floor on Nov. 18, Krafft expects to start right in on scrimmaging. With this in mind, Thursday's practice included three minutes of passing up and down the floor without shooting baskets. This time limit will probably be increased soon in order to get the players in condition, both in wind and muscle.

Schedule Completed
The complete basketball schedule has now been formulated by Coach Krafft and Manager Faulstich. This schedule, extending from December 5 of this year until February 28, 1930, includes 17 games of which two are termed practice games and the remainder regular games.

Tech will battle with Chicago Technical College at the Armory in the first game of the season. Since this will be the first encounter for both schools it will in all probability be a practice game. Armour Alumni who are usually successful in gathering a winning combination, follow in the schedule five days later. This game will also be played at Tech home floor.

Play U. of C.
On December 12, Armour will engage the University of Chicago in a practice game which will be played at the University gymnasium.

The Wheaton game which is listed for Jan. 8, 1930, has not been definitely agreed upon by the two schools. It will, according to Coach Krafft, be played probably on this date.

Considering the conditions about Tech it seems that this schedule has been very wisely selected. The rather severe scholastic requirements of the Institute limit the time which a man may devote to athletics, especially basketball.

- Official Basketball Schedule**
- Dec. 5—Chicago Technical College at Armour.
 - Dec. 10—Alumni at Armour.
 - Dec. 12—University of Chicago at Chicago.
 - Dec. 17—Y. M. C. A. College at Armour.
 - Dec. 19—Chicago Normal College at Armour.
 - Jan. 8—Wheaton College at Armour.
 - Jan. 11—Northwestern University (McKinlock Campus) at Northwestern.
 - Jan. 16—Armour at Augustana.
 - Jan. 21—Northwestern University (McKinlock Campus) at Armour.
 - Jan. 23—Armour at Chicago Normal College.
 - Jan. 29—DeKalb Teachers College at Armour.
 - Feb. 6—Armour at DeKalb Teachers College.
 - Feb. 8—Armour at Y. M. C. A. College.
 - Feb. 14—Augustana at Armour.
 - Feb. 20—Armour at Michigan State Normal.
 - Feb. 21—Armour at St. Mary's, Orchard Lake, Michigan.
 - Feb. 28—Michigan State Normal at Armour.

Gridiron Queries

By Professor John J. Schommer
(Editor's note: Professor John J. Schommer, star player, conference umpire, and leading football authority, will answer through this column, any questions on football which are puzzling our readers. Questions may be submitted to the Sports Editor, A. H. Jens, or they may be placed in the Armour Tech News box which is located in the main building adjacent to the elevator on the first floor.)

Question 1. What is the change in this year's rules, if any, on the use of the screened pass?

Answer 1. Not allowed except back of scrimmage line.

Question 2. Team A kicks off to team B, player of B catches ball and passes laterally to team-mate. B player immediately upon receiving ball punts to opponents. Is this play allowed?

Answer 2. Yes.

Question 3. A player of team A receives a punt. In returning it, he drops the ball and it rolls out of bounds, a player of team B touching it before it does so. To whom does the ball go?

Answer 3. To B where he last touched it on the field of play.

Question 4. Player of team A is running apparently for a touchdown when he is tackled by a substitute player of team B who is standing at the side lines. Is a score allowed? What does the referee rule?

Answer 4. He may make any ruling he thinks justified. He may allow the touchdown.

Question 5. A player catches a pass but does not have control of it, after running 10 yards he drops the ball, that touches the ground, and recovers it but is tackled. Where is the ball placed in the following play?

Answer 5. As described, there is "no possession and control," therefore it is an incomplete pass and counts a down.

Question 6. What is the longest possible run on the present-day football gridiron?

Answer 6. From one end line to opposite goal line.

Question 7. The game is nearing its end. Simultaneously the center snaps the ball and the timekeepers' gun is heard. The quarterback, upon receiving the ball, runs towards the opposite goal but reverses and runs unopposed to his goal. Is this play allowed, or is the game ended with the timekeeper's signal?

Answer 7. This play would either be allowed to go to completion or would be stopped with the signal, depending upon whether the gun was shot before or after the play was started. There would probably be no such condition of simultaneous action, for the timekeeper would gauge his signal to either prevent the play or allow it to be completed.

Inter-Fraternity Cage Tournament Plans Complete

The Inter-Fraternity basketball tournament is at last under way, each fraternity already having received notification of its practice evening in the gym. The championship match will probably be held just before the Christmas holidays so the boys can go home and boast to their parents about how he sunk the deciding shot just as the whistle blew.

Each fraternity will be given one practice night and then the preliminaries will be run off over a period of two weeks. The semi-finals, and finals will finish up in time to start the interclass practices around the first of the year.

Students at the University of Indiana have been forbidden to drive or ride in an automobile unless they have been granted a permit by the committee on student affairs and have purchased a university driver's license from the campus policeman.

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Class Basketball Managers Chosen

Wirth E. Gustafson '33, Harvey C. Rossing '32, A. H. Jens '31 and Don Smith '30, have been appointed managers of their respective class basketball teams. This quartet of inter-class basketball executives, are already making arrangements for the 1929 hardwood frolic which is expected to commence in the latter part of November or the first week in December.

Owing to the fact that the varsity basketball squad is now using the school gymnasium for their practice sessions, the interclass contestants will be forced to remain idle until the varsity squad transfers its training quarters to the Armory at 35th and Shields.

Coach Krafft has set the moving date for November 18, thereby automatically leasing the school's athletic dugout to the four class teams. After Krafft vacates the premises, a call for basketball candidates, water boys and stretcher tenders, will then be issued forth. The responders will be organized by their class team managers and the big event will follow.

The Freshmen and Sophomores will uncap the proceedings with their annual cat and dog fray, following whom the Juniors and Seniors will seek to outwit each other. The winners of the preliminary games will climax the whole sweating business in the championship tilt.

Wrestling Is Dropped From Armour Sports

During the last few years less and less candidates have been turning out for the wrestling squad, consequently it has reached the point where Prof. Schommer thinks it unprofitable to continue the expense of a wrestling coach.

It is rumored that there is plenty of championship wrestling stock running about the school but due to the fact that their brains are getting such a workout, they are letting their bone crushing ability go to waste.

Golf Tourney Outlook Blue

The annual fall golf tournament may not be "annual" any more if things progress the way they look now. The affair this year, under the direction of J. Garth Sitzler, has so far been mainly talk. Many promises of immediate action have been made, but nothing has been done outside of making tentative plans for the event. It has been recently decided that the last plan is hardly feasible since it would be next to impossible to bring all the

Peters and Garbett Look Over Tech Pugs

A couple of leather-punching gentlemen who mix work and pleasure and call it recreation, when it has to do with the cavorting on a rope lined four-cornered ring, gave Armour's pugs the once over last week, while the boys were doing their chores in the school gymnasium.

These much welcomed intruders, by the way, were Messrs. Roy Peters and Ralph Garbett, both of whom are well inclined in the art of swinging fists with the eight ounce knuckle protectors.

Roy Peters is a personal friend of Coach Weissman, having made his acquaintance in Dave Barry's gymnasium, where both have taken a good amount of stock in the boxing game.

Garbett's identity is best depicted as follows: Ex-boxing Coach A. I. T. Chem. '29.

This pair of Weissman's guests took fancy to releasing a bit of their knowledge of the fistcuffing business. Peters did his daily dozen by competing with a few of the members, demonstrating in the meantime how to tip the opponents on their respective ears. Of course Roy limited his strokes to a certain degree of effectiveness but released a casual good pressured blow now and then for the mere sake of providing a stimulant for the more body bending wallops that must be acknowledged in actual competition.

After the boys had consumed Peters' advice and fully recuperated from the effects of the preliminary workout, Coach Weissman concluded the evening's proceedings by sending different pairs of his proteges through one and two round performances. Thus completing the sixth practice session.

Manager Steck is working hard on drawing up the schedule and hopes to have it complete within the next two or three weeks.

candidates together at one time. It had already been decided that the old method of gradual elimination would take too long a time.

The method as now practiced in running this tournament seems to be to stand around and talk about it, meanwhile doing nothing. However, hope is held now for early action along golfing lines in the spring. Prospects for the varsity golf team look bright with three regulars back and a wealth of new material.

IT PAYS TO LOOK WELL
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TECH SHORTS

Way Back When:

Way back in the dark ages of 1897 in the Class Games, the Sophomores defeated the Freshmen 48-14. This was probably the first interclass competition at Armour Tech. The game was possibly football.

At Armour in the early '90's there was 1/2, 1/2 and one mile bicycle races included in the Field Day programs.

Honor "T"

The Honor "A" society had a similar group in the wearers of the "T." The "T" meant Tech.

Football, according to the archives of the Institute, had its inception as early as 1897. W. E. Miller was captain and fullback of this ancient team.

Some notable scores of that year were:

- Armour, 4; Naval Reserve, 0.
- Armour, 0; Chicago, 28.
- Armour, 30; Lewis Institute, 4.

Armour Vs. Lewis

There was at one time great rivalry between Lewis and Armour athletic teams. It seems that Lewis has gradually disappeared from the athletic picture.

Why all this ancient stuff, anyway? Only this, Armour had a football team in '97—why not in 1930?

Today

To get down to the present day we find that Krafft has what we think is a winning basketball team.

Wouldn't it be nice to write home and tell the folks that Armour had won 14 of the regular games played? What can be done in baseball certainly can be done in basketball.

Several loyal alumni are assisting in coaching the basketball team—Otto Kuehn is the line

Strategy de Krafft

The team now has two different playing suits, a black shirt and black shorts affair and a yellow shirt and black shorts outfit. The various colors will be used for ghost plays which Krafft has devised.

What! No Meets?

Schirmer, able cross country manager, reports a clear calendar for the cross country stars for the remainder of the month.

How can these long distance men train when there is nothing to train for?

Barbarous

Soon we will be engaged in interclass football, maybe. The fraternities have instituted several games among themselves. The classes and departments will next engage in these "barbarous contests."

One, Two, Three, Rest

When Krafft starts a three minute pivot, pass session it means to keep going until one drops, speaking literally. When this time has passed the players drag themselves to the reclining chairs of the gymnasium department to rest for the next practice.

That Good Old Complex

We cannot entirely dismiss the possibility of an Armour Tech football team. However, with a reasonable break in events something might occur in the future which may change the present football complex at Tech. A. H. J.

The plea, "Save me enough for two cokes," was granted recently to a University of Indiana student when two holdup men stuck a gun in his ribs.

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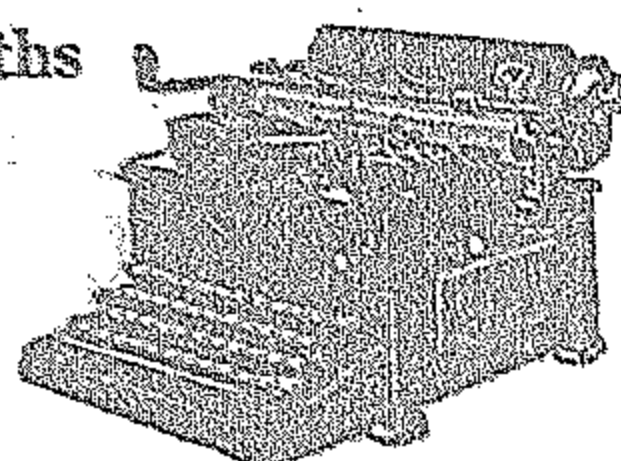
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