

W. S. E. MEETING ADDRESSED BY PROF. WELLS

Bridge Design Aesthetics
Is the Topic
of Talk

SLIDES ILLUSTRATE LECTURE

At its second meeting held October 18 in Room B Mission, the Armour Branch of the Western Society of Engineers had as its speaker Professor M. B. Wells of the Civil Department. His subject was "Aesthetics of Bridge Design."

Conformity Stressed

In his talk Professor Wells emphasized several main points to be looked for in good looking structures. The importance of Conformity of Structure to the Surroundings in which built was particularly stressed. No structure can be considered beautiful if it stands out grotesquely against its background,—a blotch on the natural beauty of the landscape. Along with this the bridge should show the Purpose of Construction. The main abutments and trusses should stand out and show the strength and ability to do the work for which they were intended.

Slides Illustrate Lecture

In order to please the eye the bridge should not be overdressed. In some of the slides with which Professor Wells illustrated his talk, the bridges shown appeared merely as a mass of structural members,—the purpose of which it was difficult to see. Symmetrical bridges, either arched or straight-line bridges, but not combined, give the best looking structures. Pleasing Outline, which ordinarily accompanies economic use of material, is essential to all good-appearing bridges.

The lack of these requirements is evident in bridge structures all over the country. In pioneer times, bridges—both railroad and highway—were built only for the purpose intended, and appearances were entirely neglected. At these early times, the sparsely settled western country could afford no expensive structures, and good looks were not considered as necessary. With natural resources, namely lumber which at that time was very plentiful, the engineer built most of his bridges. Bulky and uneconomical though they may appear today, there are many of these old structures that are still existent.—
(Continued on page 4, column 1)

Glee Club Elects Manske President

At a meeting of the Glee Club held Thursday, Oct. 18, the following officers were elected:

President, Wm. R. Manske, '30.
Manager, G. J. Heller, '30.
Librarian, Wm. A. Dean, '30.

Dr. Daniel Protheroe, noted Chicago composer, is again conducting the Glee Club this year.

The band is the only one that has made public appearance thus far but in the near future an opportunity will be had to hear all of the musical organizations.

Both the Band and Orchestra, under the direction of George Rezac, are preparing special arrangements for future use. Rezac states that approximately 75 percent of the members of the Band and 50 percent of the Orchestra members are freshmen.

Edward Craig is leading the Stresses and Strains this year. Although only a sophomore, he already has done notable work as director of that organization.

Press Club Meets One o'Clock Today

Students who are in any way interested in working on Armour Tech's publications, whether on the business or the editorial staffs, should be present at a meeting of the Press Club which is to be held today at 1 p. m. in Science Hall (3rd floor, Main). The sole purpose of the meeting will be to give students who aspire to positions on the staffs of any one of the three publications an opportunity to offer their services, according to John Hommes, '29, president of the Press Club, who is sponsoring the meeting.

The editors and business managers of the publications will be on hand to explain the requirements for staff positions, and will especially show the underclassmen how such positions may be attained.

Upper-classmen who wish to come to the meeting, which will adjourn about 1:30 p. m., are excused from the first part of their classes, if any. They will be required to report to class immediately thereafter, however. Freshmen who have major classes at that time are not excused to attend the meeting. All other freshmen are invited and urged to come.

9NV BEING PUT IN OPERATION

The meetings of the Armour Radio Association will be held in conjunction with those of the A. I. E. E. every two weeks in Science Hall, at 11:30 a. m. commencing October 29.

Plans are already under way to put amateur radio station 9NV into operation. Although the transmitter is ready for action, it will be necessary to remodel the antenna. New guy wires and a new type of aerial are to be put up.

All licensed operators will be entitled to operate the station under the direction of R. L. Von Osdol, chief operator. Only about six have signed up for this privilege at the present time. Any other students who are interested in either joining the Association or operating Station 9NV are requested to sign up on the notice posted on the bulletin board in the foyer of the Main Building.

A television receiver is to be installed for experimental purposes, if the necessary apparatus can be secured and enough interest in the project displayed by the members of the club.

An Honor "A" Society meeting will be held on Friday, November 2, at 1:00 p. m. in the Science Hall. All letter men, whether the recipients of major or minor A's, are requested to be present, since this meeting is for the purpose of securing new members to the organization. "Nap" Kara, '29, is president of the Society.

"Analytical Chemist" is Schommer's Ch.E. Talk

John J. Schommer, Professor of Industrial Chemistry, was the speaker at the regular meeting of the A. I. Ch. E. held Monday, Oct. 22, in Science Hall. His subject, "My Reminiscences As An Analytical Chemist," proved to be one of the most interesting delivered before the society.

Professor Schommer's topic dealt mainly with the fact that the ultimate success or failure of the graduate engineer or chemist depends primarily upon his ability to cope with the problems which are continually presenting themselves. He illustrated his points repeatedly with references to his own wide experiences, inserting the touches of humor for which he is famous.

The Straw Vote

With this issue of the NEWS you are being handed a separate printed Straw Ballot. You are requested to mark it immediately, and drop it in the new Contribution Box which has just been hung in the Main lobby.

The straw vote conducted by us a few weeks ago was unsuccessful in that only about one quarter of the student body voted. This was attributed to the fact that our subscribers were unwilling to tear their copy of the NEWS to obtain their ballot.

This poll will be final. Results will be published in next week's issue, which comes out a few days before the election.

BASKETBALL MEN REPORT IN GYM NEXT THURSDAY

All candidates for the basketball team must report for practice in the home gymnasium, Thursday, October 25, at 4:45 p. m., ready for work. That means that every man must have enough equipment, which consists of shoes, shirt, pants, sweat-shirt, etc.

This early practice is very necessary in view of the fact that Armour's team will be composed of a fairly green combination, and in consideration of the hard schedule this season, the necessity for this early rounding into form, becomes even more apparent.

Cal Johnson announces that to date he has arranged seven games out of those mentioned in the tentative schedule, and hopes that by the end of the week to have his bookings completed.

Games with the following institutions have been booked:

Thurs., Jan. 17, De Kalb at Armour.
Sat., Jan. 19, Armour at Y. College.
Sat., Jan. 26, Armour at De Kalb.
Tues., Feb. 5, Y. College at Armour.
Sat., Feb. 9, Armour at Milton.
Fri., Feb. 15, Augustana at Armour.
Sat., Feb. 23, Armour at Augustana.

SCHOOL CALENDAR

Thursday, Oct. 25:
1:00 p. m., Press Club Meeting in Science Hall.
4:45 p. m., Basketball candidates due in the Gym.
8:00 p. m., Campus Club Smoker, Chapin Hall.
Friday, Oct. 26:
9:30 a. m., Distribution of Usher badges for Chicago-Purdue game. South end of Main lobby.
Saturday, Oct. 27:
12:00 noon, Ushers due at Stagg Field, Gate 8A, for Chicago-Purdue game.
2:00 p. m., Chicago-Purdue game, Stagg Field.
Monday, Oct. 29:
11:30 a. m., A. I. E. E. meeting in Science Hall.
Wednesday, Oct. 31:
5:00 p. m., ARMOUR TECH NEWS Staff meeting in the NEWS Office.
Thursday, Nov. 1:
8:00 a. m., Distribution of Issue No. 7 of NEWS.
8:00 p. m., Sphinx Smoker.
Friday, Nov. 16:
8:00 p. m., First Senior Dance.

"Engineer" Editor At Magazine Convention

L. F. Bernhard, '29, editor of "The Armour Engineer," and M. B. Golber, '29, an assistant, are representing Armour today, tomorrow, and Saturday in Lincoln, Nebr., at the national convention of the Engineering College Magazines Associated, an organization comprised of representatives from 21 engineering college publications from all over the country. The Engineer joined the association in 1922.

At this meeting awards are given by the executive committee and criticism of the magazines are made. These awards are on the magazines published during the previous year.

Professor L. F. Van Hagen of the University of Wisconsin is chairman, while the Western Vice Chairman is Paul B. Nelson, editor of the "Scholastic Editor."

At the meeting of the association held last year, the Armour Engineer placed in three of the seven points on which the publications are rated. It placed first for the best illustrations, first for cover design, and third for the best student article. In the same year it received a distinguished rating under the National Collegiate Congress Award.

Thursday morning of the convention will be spent in the choice of committees, which will meet at once. Friday will be spent in discussing the magazines and making awards. The delegates will see the Missouri-Nebraska football game on Saturday, which ends the convention schedule.

BEAUX ARTS 1ST PROJET MAILED

Projet No. 1 of the Class A Beaux-Arts Institute of Design were mailed to New York last Tuesday, after being submitted by the Junior and Senior students in architecture at the Art Institute. Students of architecture from all over the country enter this competition. Judgments of the first entries will be made on Tuesday, October 30, and will be announced shortly thereafter.

CAMPUS CLUB SMOKER TONITE

A novel type of smoker is to be held tonight at 7:30 in the Campus Club rooms. The Freshmen are to furnish all of the entertainment and the members are looking forward expectantly to an exciting evening. John Brady, school cheer leader, is coaching the Frosh in their efforts to entertain the upper classmen and alumni. Herb Stebbins is in charge of arrangements.

A total of thirty-five new members including eight freshmen have been taken into the club this semester.

Kjellgren Wants Cycle Snaps From Students

Philip Kjellgren, '31, photographic editor of the '29 Cycle, has asked that the students turn into him any snapshots relative to the school. The snapshot section of the year book is always one of the most interesting and in order to put it in first class shape, everyone should turn in interesting photographs. The snaps may be turned in either to Kjellgren, or they may be left in the Cycle Office in Chapin Hall, or the Cycle Box in the lobby of the Main Building.

The Armour Student Branch of the A. I. E. E. will meet Monday, October 29, at 11:30 a. m. in Science Hall. Robert Burns, E. E. '24, will be the speaker, his topic being "Movi-tone."

DEAN PENN GIVES EXPLANATION OF PHYSICS CREDIT

12 Experiments in 16 Weeks
Allows More Time Than
Bulletin Shows

INTERVIEW PROFESSOR DOUBT

An explanation throwing considerably light on the discussion of the number of semester-hours credit allowed by the new bulletin for Physics Laboratory was given out this week simultaneously by Professor J. C. Penn, dean of engineering, and Dr. T. E. Doubt, who conducts the Physics Laboratory course. The explanation was offered following several criticisms on the part of the students taking the course to the effect that the actual time required to complete an experiment for Physics Laboratory is much in excess of the five hours per week allowed by the bulletin.

More Than Five Hours

According to Professor Penn each experiment is allowed more than five hours. There being required on an average of twelve experiments to be done in the allowed time of five hours per week for sixteen weeks, the actual time per experiment is not five hours, but 6 2-3 hours, three of which are to be spent in the laboratory, and 3 2-3 in preparation. While some may take more than three hours in the laboratory, he explained, there are others which can be completed in much less time.

Already a Maximum

"We are already allowing the maximum credit for Physics Laboratory that we can give and still be on a par with other engineering colleges," said Professor Penn. "The figures in the bulletin represent the time required for an average student to make a grade of "B" in the work. Students who have more difficulty in grasping the Physics laboratory work than other work are naturally expected to put more time on the course. Furthermore, students who want an "A" grade must work harder."

Work Not Easy

In an interview, Dr. Doubt of the Physics department admitted that the work was far from easy. "I didn't choose Physics as my life work because it was easy," he said.

(Continued on page 2, column 3)

Phi Kapp's 78th Anniversary Is Celebrated

Phi Kappa Sigma Fraternity last Friday, October 19, celebrated its seventy-eighth birthday with their annual Founder's Day banquet held in the Red Room of Hotel La Salle in conjunction with the opening of the new Interfraternity Club club-rooms there. All of the members of the three Chicago chapters, and 250 alumni members were in attendance.

The pledges of the active chapters entertained with stunts in competition for a travelling cup which is awarded on the merits and execution of the stunt offered. Armour Chapter pledges won the cup for the local Phi Kapp's with a neat exhibition of diving and tumbling.

Saturday the men of the local chapter of Phi Kappa Sigma will travel en masse to Champaign to see the Illinois-Northwestern homecoming game. After the football exhibition they will be entertained by the Illinois Chapter at a house dance. Last Saturday the men witnessed the Purdue-Wisconsin battle held at Lafayette, Indiana.

ARMOUR TECH NEWS

Student Publication of the
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Published Weekly During the College Year

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WHAT YOU ARE SPEAKS SO LOUDLY
I CANNOT HEAR WHAT YOU SAY.
—Emerson.

Study Vs. Intensive Study

Recently, considerable discussion was aroused among
the sophomores and juniors now enrolled in Physics Lab-
oratory concerning the number of semester-hours of
credit allowed by the bulletin for this course. Several
letters were sent to the NEWS on the subject, and some
of them appeared in the Letter-Box column.

In response to these comments, the Deans' office and
the Physics department have made statements explaining
the situation, believing that the students themselves were
not fully aware of all the facts of the matter. These
explanations appear in a news item on the first page.

The gist of these statements is that the students being
allowed 5 hours a week for the course, for 16 weeks,
have available 80 hours of work. The standard require-
ment is 12 experiments per semester, which gives 6 2-3
hours for each experiment, 3 in the laboratory; and 3 2-3
for writing the report. It certainly does not take an aver-
age student more than that length of time to write up a
report which will grade "B."

True enough, to make an "A" in the course more time
and more intensive study will have to be devoted to the
reports. Furthermore, "below average" students will al-
so find it necessary to devote an additional hour or two
every week.

Students are too prone to calculate the time required
to write a report, from the moment when it was begun
until the moment it was completed. They fail to sub-
tract the "times out" taken at regular intervals, to smoke
a cigaret, to read a newspaper, or to listen in on "Mike
and Herman" on the radio. They forget that the figures
in the bulletin represent time to be devoted to INTEN-
SIVE study, which so few students are capable of doing.

To our mind the explanation referred to is an ade-
quate one, and should satisfy any who have felt that they
were being imposed upon.

Press Club

Today at one o'clock, the first Press Club meeting of
the season will be held. All students who are in any way
interested in publication work are being urged to attend.
At that meeting, those in charge of Armour's three pub-
lications will solicit the aid of additional men for work
on the various staffs.

Press Club was organized in 1924 by a petition of
Sphinx, honorary literary fraternity, for the following
reasons:

(a) To secure the services of freshmen and sopho-
mores for publication work, as well as those of juniors
and seniors.

(b) To give potential candidates for staff positions
who are well suited for the work by natural ability and
former experience an opportunity to make their capa-
bilities known, thus opening competition for staff posi-
tions to the whole school instead of limiting it to a few
"on the inside."

(c) To insure better continuity of effort from year
to year in the administration of the publications, by pro-
viding preliminary training and experience to under-
classmen before they are required to assume the more
responsible staff positions.

In these purposes, the Press Club has been very suc-
cessful so far. Its continued success in this function will
depend on the response of the student body to its meet-
ings.

BOOK REVIEWS

By JOEL M. JACOBSON, '29

"Red Rust," by Cornelia James Cannon

Having but recently completed Willa Cather's book, "My Antonia,"
a story of the Swedish settlers of the
Minnesota and Dakota wheat lands,
I picked up "Red Rust," a study of
the same people at about the same
time in their history, with genuine
interest. If I expected to enjoy it as
much as "My Antonia" I was very
much disappointed. At no point
throughout the entire story did I feel
any real enthusiasm or deep feeling
for the characters the author manip-
ulates. The manipulation is too evi-
dent and too gross, the people of
New Sweden too obviously acting the
writer's playlet instead of their own
lives to fill me with any sympathy.
How differently two persons can see
the same thing! Willa Cather knows
these people and writes of them with
a deep and all forgiving love. They
are "her people." To Cornelia James
Cannon they are so many marionettes
which wobble uncertainly at the end
of her not too certain guiding strings.
Whom, in this imaginary town, do I
really know? Do I understand Nils
Swenson or Brigitta? They seem to
be only necessary adjuncts to the
play fulfilling no purpose that I can
see. As people, living realities, they
are strangers. The indistinctness of
the characters is, I believe, the chief
fault with the story and it is a point
about which the whole book hinges.
Matts Swenson, his mind alive to the
meaning of the natural forces around
him, is contrasted with the apathetic
Swedish farmers. He experiments
with wheat, crossing and selecting
his seed to produce a perfect speci-
men, a wheat plant which will suc-
cessfully withstand the ravages of
the "red rust," a wheat disease which
leaves the plant yellowed and seared,
worthless for food or seed.
As the perfect wheat of Matts

Swenson is impervious to the attacks
of the red rust so is Matts Swenson,
himself, untouched by the dead and
leaden people about him. Are these
Swedish farmers as dull and uninter-
esting as Cannon wishes us to be-
lieve? Are these people, to me the
most energetic and progressive in
America, really so untelligent?
During the last summer I had the
pleasure of making personal ac-
quaintance with the Minnesota farm-
er. It was not, of course, as intimate
or extended as I would like but suffi-
cient to show me how wrong Cor-
nelia Cannon's characters are. They
are not the open-handed cowboys of
the western plains who meet friends
and strangers with the same hearty
greeting. Quiet and unassuming, it
is true, unfriendly and even suspi-
cious to strangers, yet with a com-
munity life and spirit that makes the
little towns scattered through the
Minnesota farmlands models of beau-
ty and efficiency.

The author has changed the char-
acter of the people, has forced them
into the mold he has prepared for
them. The only object is to make
the reader, by brute force, if in no
other way, to see the analogy be-
tween the experiments on wheat and
the human growth in which the ex-
perimenter is himself an experiment
subject to the same selection and
variation. What the conclusion is or
what the moral of the tale is, I can-
not fathom, unless it lies in Matts
Swenson's unwritten epitaph, "I
wasn't thinking of what he did. I
was thinking of what more he might
have done. He didn't complain. He
got lots out of life. It's the rest of
us who are the losers. . . I'll never
be satisfied with my country for all
its boosters until we take time to
pick out the really great ones in our
midst and give them a chance. I'm
tired of our pampered mediocrity."

REAL MEN

A real man never talks about what
the world owes him, the happiness he
deserves, and the chances he ought
by right to have, and all that.

A real man is just as honest in the
dark in his own room as he is in pub-
lic.

A real man does not want pulls
and favors. He wants work and hon-
est wages.

A real man does not want some-
thing for nothing, so the get-rich-
quick people cannot use him.

A real man does a little more than
he promises.

A real man is loyal to his friends
and guards their reputations as his
own.

A real man cannot hurt a woman,
physically or morally.

A real man minds his own busi-
ness. He does not judge other per-
sons beyond sure knowledge—not
presuming to "search hearts."

A real man is glad to live and not
afraid to die. —Iowa Engineer.

Dean Penn Explains
Physics Lab. Credits

(Continued from page 1, column 5)

He further elaborated on the ques-
tion by adding that what he thought
was the chief difficulty of the stu-
dents was their inability to study in-
tensively. "We are looking for in-
tensive students," he declared. "We
like to have the kind that can sit
down to their work, be absorbed by
it, and not stop until they have thor-
oughly completed the task. If the
work is truly done in that fashion, the
3 2-3 hours is ample time."

All the classes in Physics Labora-
tory this week were given this ex-
planation.

The Sigma Kappa Delta basketball
team has arranged with the Engle-
wood Baptist Church, 62nd Place and
Stewart, for the use of their gym-
nasium for practice, so as to be in
top condition when the interfrater-
nity basket hostilities begin.

Senior Dance Chat

By Chuck Jilson

With the beginning of each school
year at Armour Tech we all look for-
ward to those class dances which are
always evenings of great enjoyment
leaving happy memories to those
who attend. This year the Senior
Class starts the ball of fun a-rolling
with an informal dance that prom-
ises just a few more hops than all
preceding ones.

As announced last week, Nov. 16 is
the date. Now don't forget, give the
girls a break and make your dates
now. The dance will be held in the
main ball room of the Lake Shore
Athletic Club, which in the past has
been the scene of two very success-
ful class dances.

And now a bit about the orchestra.
Yes, we have engaged that great nov-
elty pianist, Zez Confrey, and his
New York Night Club Orchestra. Zez,
and all of his boys will be plenty hot
when they play "Kitten on the Keys,"

"Stumbling," and "Dizzy Fingers,"
those well known numbers of which
Zez is the composer. Come and hear
him play them as they should be
played.

All new Armour students are es-
pecially invited to attend this dance
and become acquainted with the so-
cial life of Armour Tech. Tickets
are now on sale for the mere sum of
\$2.50 per couple. See one of the
ticket representatives early, and pur-
chase your guarantee for a wonder-
ful evening.

The entire population on earth,
according to the League of Nations,
is 1,906,000,000 persons. In the
calendar year 1927, the Transit Com-
mission of New York City reported
total passengers carried on all sur-
face cars, rapid transit buses and
Hudson-Manhattan tubes as 3,202,
800,000—50 per cent more than the
earth's population.

"THE SLIPSTICK"

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

FAMOUS FEARS No. 1

By the I. R. (Inquiring Reporter)

It happened in the gym
When the lights were growing dim;
Johnny Manz had stroked his chin
When the I. R. happened in.

The I. R. is always where
He never gets the air
It's his to do or dare—
That's why he happened there.

He questioned Johnnie why
He looked so dark in eye.
The answer came with a sigh
As Johnnie started to cry.

"Our team ain't got a chance," he said;
"This basketball's a flop.
I wish that I was home in bed
Enjoying a lollypop."

"Come on now, let us know
Which way the ill winds go,—
If our team has no show,
We'll help you stand the blow."

"All right, all right, I'll tell, I'll tell—
Don't say a word or I'll catch h—
Our hopes are blast by our coach's "blue"—

Krafft Fears Purdue!!!

—J. F. F. H.

We Employ Union Labor

Frosh: "Hey, you, is this the Press Club's headquar-
ters?"

Ye Ed: "Yes—anything?"

Frosh: "Yeah, fix up these pants in a jiffy. I gotta
take a quiz next hour." —J. H. A.

Well, Well, Water Coincidence

"Pa" Phillips: "How much water does it take to put
out a fire?"

Libanoff: "Six hours."

"Pa": "Right."

ASK ME ANOTHER!

Professor: "Are there any questions?"

Frosh: "Yes, sir. How do you calculate the horse
power in a donkey engine?" —A. J.

I d-don't stutter when t-talking,

Just w-when I rhyming;

It helps f-fill the meter out

And c-corrects the timing.

Prof. Smith: Morgan, how does it happen that you
have hill No. 20 here where valley No. 13 is supposed to
be?

Morgan: Merely a topographical error, sir.

Voice: Is this the weather bureau?

Weather Man: Yes, sir.

Voice: How about a shower tonight?

W. M.: It's all right with me. Take one if you need it.

Packed in the oval was the colorful crowd, jammed in
with scarce room to breathe. Row upon row, layer upon
layer, the crushing mob was packed in—packed in, some
would say, like sardines.

And the funny part of it was that they were sardines.

SERVICE

Lady: Is this milk fresh?

Milkman: Half an hour ago, madam, it was grass.

PAGING MERRIAM AND WEBSTER

A car may be defined as a place to go when the park
benches get too cold.

Don't Scamble

George Arlington Heights Kloepfer, of the present
class of '29, wishes to announce that he will bet any pro-
fessor, doctor, or Mr., an "A" in any senior civil course
that he, G. Arlington Kloepfer, is able to throw, hurl, or
project a standard egg (hen) against the imported Span-
ish sepia brick wall of the lunch room without breaking
it. Mr. Kloepfer's program is in the Dean's Office for
the reference of all bet-takers.

MAYBE

Well, said the { 1. frosh }
{ 2. soph } just thirty-one more weeks
{ 3. junior }
{ 4. senior }

and I'll be a { 1. soph }
{ 2. junior }
{ 3. senior }
{ 4. grad }

RAILWAY E.E.'S IN ANNUAL CONCLAVE AT HOTEL SHERMAN

Sixty Eight Manufacturers Display New Creations at Exhibit

The Nineteenth Annual Convention of the Association of Railway Electrical Engineers ends tomorrow at 5 p. m. after a four-day conclave at the Hotel Sherman. Sixty-eight exhibits are on display, representing manufacturers from all over the country.

Perpetual Motion Shown

The E. A. Lundy Company, of Pittsburgh, Pa., has the same "Andy Gump Perpetual Motion Machine" that was on exhibition in the booth of the Coyne Electrical School at the recent Radio Show at the Coliseum. The deception still remains unexplained.

High Frequency Phenomena

The exhibit of the General Electric Company consisted of several demonstrations of high frequency phenomena. A neon tube held in the hand glowed when the apparatus for the radio transmission of current was turned on. By means of the color change, the stress in material, which was being bent, was made visible.

Motor Bearing Exhibited

The Westinghouse Electric and Manufacturing Company was for the first time exhibiting the sealed sleeve motor bearing, which allows no dust to get in either the bearing or the motor. A grid glow tube operated a relay when a hand was placed close to it. This is the first year that Westinghouse Servicing is exhibiting.

The Allen-Bradley Company is exhibiting automatic starters. Their latest improvement is a starter using both a transformer and a condenser instead of either alone. It is claimed that this gives advantages that neither type alone possesses. Another type of starter is one in a sealed box for use in flour mills or places having explosive dust in large quantities. There is a water-proof type of control button having a layer of pigskin between the buttons and the outer case, for use in dairies.

Fairbanks-Morse Has Display

Fairbanks-Morse and Company are exhibiting a new type of motor, having a double wound rotor. The rotor contains iron pins which move as the motor gains speed, thereby changing the current flowing through the rotor. It is claimed that this form of construction gives high resistance and high starting torque.

The Bulldog Electric Company display a type of switch panel which took seven years to produce. It is approved by the United States Bureau of Standards and presents a great safety factor to persons working on it.

The Vapor Car Heating Company present an automatic heating system for passenger cars. This system will satisfactorily heat different parts of the same car. As it is a vapor system, the valves are under no pressure other than atmospheric. Various types of thermostatic controls are used depending upon the installation. One of the greatest advantages of the system is that cars in the yards are automatically lowered in temperature, thereby effecting a saving in heating costs.

The Gould Kathanode involves the first improvement in storage batteries during the last twenty years. It uses a plate of spun glass on each side of a paste battery plate, resulting in a much lighter and more compact battery. Twenty submarines of the U. S. Navy are at present equipped with these units.

You Are Always Welcome at the
Silver Gray Restaurant
3102 So. Wentworth Ave.
Special Service for Students

The Inquiring Reporter

Question: Now that the seniors have jackets, do you think that the freshmen should wear green caps?

R. Steinert, '31, CH. E.: Yes, I think they should wear them. They should be green because that is the color of fresh, young, growing things.

L. J. Weseli, '32, M. E.: No, I don't. I don't think you should put that sort of a distinguishing feature on a freshman. You should be more democratic.

H. W. Montgomery, '30, F. P. E.: Yes, I think it would be a good idea. I formerly attended a state teachers' college with an enrollment about the size of Armour, and the freshmen wore green caps. This feature, I think, added greatly to the social activity of the campus. I believe it would have the same effect here.

E. J. Stehno, '31, E. E.: They shouldn't wear them because they might be inductive to hazing. They might make the freshmen targets of the upper classmen. The way it is now, the freshmen aren't distinguished from the others when a bunch of the students get together.

E. L. Cordes, '32, C. E.: No. The Senior's jacket is an honor, while a freshman's cap would lower the social standing of the freshman.

Clifford Romine, '30, M. E.: Yes, I do. I think it would put a little more spirit in the idea of their being freshmen.

C. H. Johnson, '30, E. E.: I think it might be a good idea so that you could tell the freshmen from the upper classmen.

Fred Rasmussen, '30, C. E.: There has never been any way of distinguishing the freshmen except by their lost expressions, so it would be very fitting to have green caps as a kind of tradition.

Fire Drill Successful

The fire drill conducted by the district fire commissioner last Thursday was a considerable improvement over that held last semester. According to the rules of the fire department, buildings should be emptied in less than two minutes after the sounding of the alarm. Fire drills are conducted twice per year by the department. The most praiseworthy feature of the drill noticed by the commissioner was the manner in which the students cleared the entrance.

In the near future gongs are to be installed in Chapin Hall and in the Armour Mission, both of these buildings at the present time having no alarm system.

TYPEWRITERS
Special Rates to Students
Renting or Buying
Wabash 8535
407 S. Dearborn St.

EX-C.E. STUDENT SWALLOWS POISON

Melvin Swenson, ex-'29, died early Sunday morning, October 20, from the effects of poison which he swallowed the evening before, which he took from despondency over the after-effects of a nervous breakdown which he suffered several years ago.

Saturday evening the father, Swen W. Swenson, who is head of the collateral department of the Central Trust Co., and Melvin played their customary game of chess. Melvin won the contest, and then, with a smile, left the room. He returned fifteen minutes later.

"Dad, I've done for myself," he said. "I just swallowed poison."

For five hours a physician strove to combat the poison with an antidote, but at 1 a. m. Melvin died. He was a draftsman with the architectural firm of A. V. Teisen, 4804 No. Kedzie avenue.

While at Armour, he was a student in the Department of Civil Engineering, but left during his sophomore year. He was a member of the wrestling team while here.

L. Statkus, Range Officer of the Armour Tech Rifle Club, has appointed three men to assist him in maintaining supervision of the Range and in instructing inexperienced members. They will be on duty at the 7th Regiment Armory, 34th and Wentworth, on the following days:

Monday, R. A. Hess, 2-5 p. m.
Tuesday, C. Rambolt, 10:30-12:30 p. m.
Wednesday, L. Statkus, 1-5 p. m.
Friday, S. Janiszewski, 3-5 p. m.

After the Chicago-Purdue Game - Oct 27

THERE WILL BE A BALL IN THE STEVENS GRAND BALLROOM

presented by The Order of Builders music by Fred Hamm and his Collegians also Joe Martinez and his Orchestra

Bids of Lyon-Nealy or from members - 25¢ at the door - 50¢

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The fountain of humor of Stanley Livingstone, curator of the bookstore and candy-counter, is always gurgling freely, but the other day it bubbled way over when he collected a sheaf of his surplus jokes, pasted them on a card, and tacked them up near the entrance, for the entertainment of the several peanut and candy bar munchers who love to while

away a few minutes of their lunch hour in his domain. Stanley "Dough" contends that all the jokes there pasted have been passed by censor (his wife).

Oh, yes, Stan has also announced the motto of the bookstore, and has given Mac, his partner in conspiracy, strict orders to carry it out to the letter. It is: "Rob the students of all you can during their four years here, because after they get out, they've got all their lives to rob the public!"

Bird's Paroid Built-up Roof

The White Top Paroid Cap Sheet adds years of wear. It reflects the rays of the sun and seals in the waterproofing materials beneath. Samples and Specifications on request.



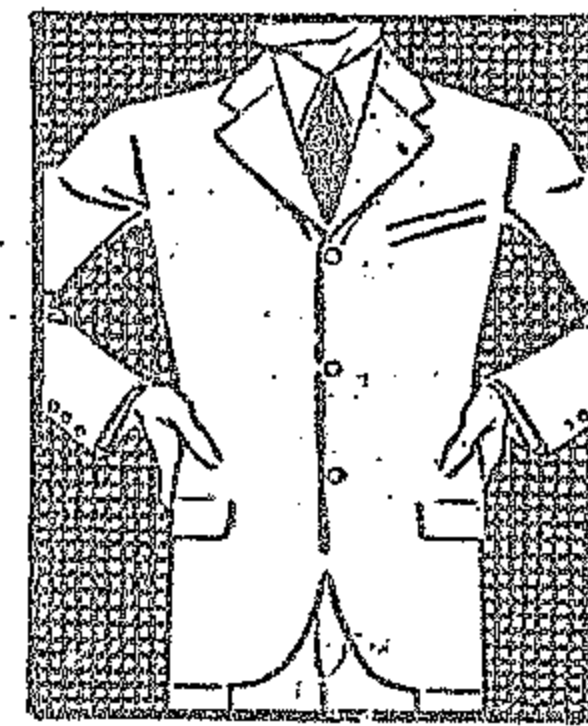
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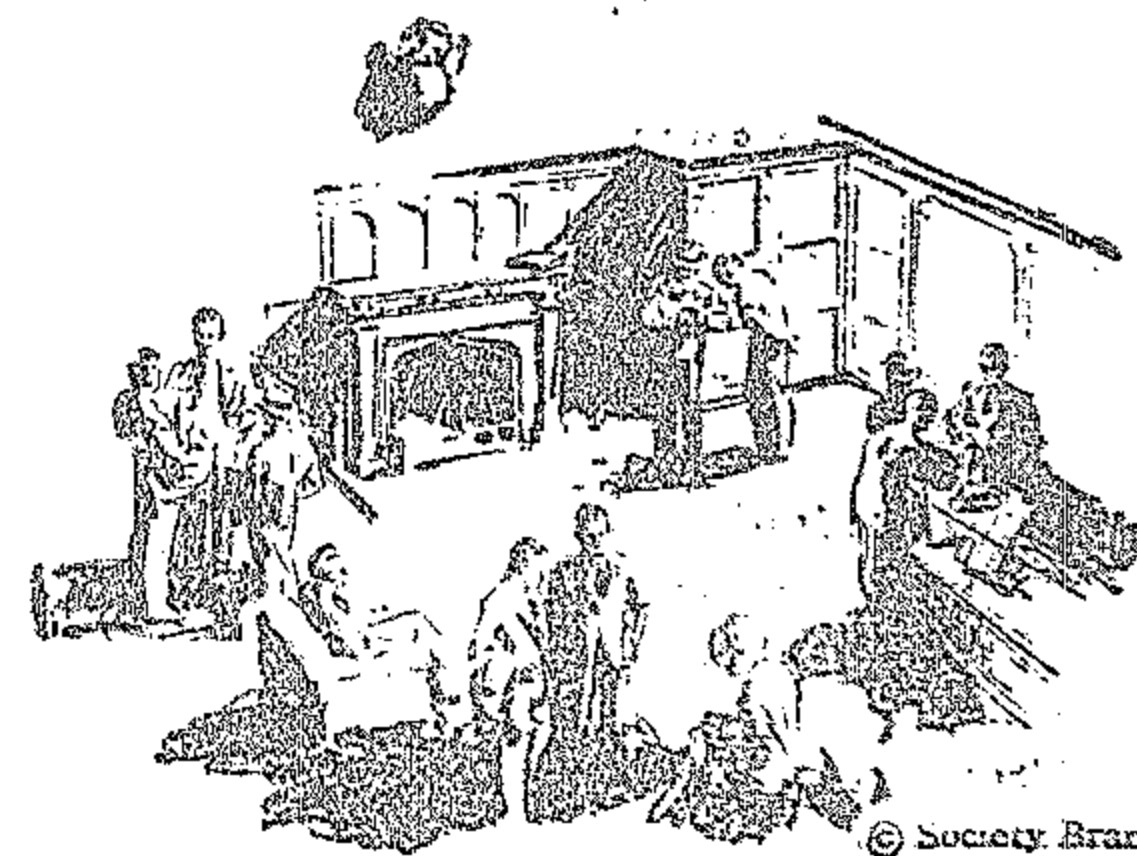
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Silver Blue Suits \$50
"After Six" Dinner Suits \$50
"Chicagoan" Hats \$5
Smart Oxfords \$8
"Chicago" Clocked Hose \$2.50

ARMOUR TECH ATHLETIC ASSN. TO MEET SOON

Office of Secretary To Be Filled By a Junior

The first meeting of the Armour Tech Athletic Association for the current season is to be held in the very near future, at which time several important items will be brought up for consideration.

In the first place, the office of secretary is open due to the absence of Wm. Jervis. The matter of filling this position in the association will be done in one of two ways. Either a special election for the school will be called or the board will select a man to fill the vacancy. Incidentally, this man must be a junior.

Several appointive positions will be filled at this meeting. Such offices as school social chairman, chairman of the reception committee, manager of interclass athletics, manager of interfraternity athletics, and publicity manager will be up for consideration. These appointments are made by the president of the association subject to the approval of the athletic board.

The duties of the above officers are as follows:

Social Chairman: The social chairman of the school shall arrange the social calendar of the year. All dates for social affairs such as class dances, banquets, smokers, circus day, etc., of the student body must be submitted to the social chairman for approval.

Chairman of Reception Committee: The chairman together with two assistants shall endeavor to arrange for good accommodations for teams coming to the city from out of town, assist in any way possible to make the visit of any team, speaker, or visitor, etc., as pleasant as possible.

Interclass and Interfraternity Athletic Managers: The managers of these affairs must arrange their respective schedules, furnish any necessary referees, umpires or judges, draw up any necessary rules, and make any other necessary arrangements.

Student Publicity Manager: The student publicity manager shall care for all notices and bulletins of the organization.

The matter of a cheer leader award will also be taken up and it is more than likely that such a position will be put on a par with minor sports.

Following are the officers of the Armour Tech Athletic Association:
 J. P. Edstrand, Jr., President.
 W. K. Simpson, 1st Vice-President.
 E. R. Rowley, 2nd Vice-President.
 Wm. Jervis, Secretary.
 Geo. S. Allison, Treasurer.

Prof. Wells Speaks At W. S. E. Meeting

(Continued from page 1, column 1) the landmarks of progress in the history of the country.

Artistic Consideration Necessary
 Necessity was the reason for the absence of art in the early bridges. Lack of engineering training, too much competition between contractors with the resulting necessity for low cost, are other reasons for the neglect of artistic consideration. Professor Wells also pointed out that there is a lack of beauty in the present day steel bridges which should be remedied in future construction.

The lecture was given at 10:30 for the benefit of all those who could attend at that hour. Since Professor Wells had not finished by 11:30 he kindly consented to continue the discussion in his 11:30 class in Aerodynamics which was held in the same room.

SCHOMMER ANSWERS GRID QUESTIONS

Professor John J. Schommer, one of the foremost football authorities in the middle west, will answer any questions on football that are puzzling our readers. All such questions should be dropped into the official contribution box of the NEWS, which is located in the foyer of the main building.

Professor Schommer is starting off this week with two questions which are commonly asked of him. Next week he will enlarge on these points, citing examples of games in which these rules were applied. Additional questions will also be answered at that time.

Question: When is a player down?
Ans.: A player is down when he cries "down," or, when he is so held by his opponent that his forward progress is stopped, or, while in the grasp of an opponent, the carrier of the ball has other than his hands or his feet on the ground.

Question: If a ball by a drop or place kick, is sent over the bar, and a high wind blows it back in the field of play, does the goal count?
Ans.: In the Western Conference, it does not count. In the Eastern Conference, it does. Both sections decided by vote.

Boxing Team Works Out Tues. and Thurs.

The boxing team has been having real workouts Tuesday and Thursday nights in the gym. Some very satisfactory material has been uncovered and although it is rather early to make predictions, it seems that Bryant, '32; Nelson, '32; Svardloff, '32, and Sandstrom, '32, have natural ability in the ring. The recruits as a whole are rounding into form and their physical condition appears greatly improved.

Capt. Larkin, and Garbett, two of last year's men, have been leading the workouts and demonstrating some of the finer points.

Poupitch, at present, is suffering from an infected ear, and so has not been working out, but will be out again as soon as he recovers.

The golf tournament was released from its deadlock last Sunday when

Baldwin defeated Jennings one up in nineteen holes. Baldwin is now in the semi-final play with F. Ong as an opponent. The Ong-Baldwin match will be played off some time during this week, the winner of which will oppose Larkin in the finals. Larkin has struck it exceptionally lucky in the tournament, having a string of forfeits to back up his position in the finals. Coach Leigh and Captain H. Christiansen, '29, are watching the outcome of the tournament with interest, since new material is necessary for the success of next year's team.

Adverse weather conditions played havoc with the first round tennis matches which were not played while fine weather prevailed. Those who have finished their first round play are at a standstill due to the lack of tournament play on the rest of the schedule. Rosenquist is the only one who has reached the third round.

Report For Duty or Forfeit Pass, Edict

U. of C. usher badges will be distributed Friday, October 26, at 9:30 a. m. in the south end of the lobby of the Main Building.

It is necessary that men receiving these badges report for duty at Stagg Field on Saturday P. M. or else forfeit their passes. Several men, after repeated warnings, have not responded to their obligations and their privilege will be revoked. New men who wish to usher at the remaining at-home games of the University of Chicago may obtain their badges tomorrow.

The three remaining home games that are on the Chicago schedule make the ushering privilege a desirable one. Next Saturday, October 27, Purdue meets the U. of C., and it is asserted that Stagg has already let it be known that he "fears Purdue." On November 3, the inter-sectional struggle with the University of Pennsylvania will be the feature of the day. From all appearances, this will be the season's classic at the Chicago stadium, serving as an indication as to whether or not Eastern football is superior to Western. The game with Illinois on November 17 will be the last of the Maroon competition in the Big Ten for the season and to all indications it will draw a record crowd to the stadium.

All games will be started between 2 and 2:30, necessitating that ushers report at Gate 8A between 11:45 a. m. and 12:15 p. m.

FRATERNITY NOTES

A few of the fraternities have announced additional pledges since last week's list was published. They are given below:

Beta Psi: William Kiepara, William W. Lange, William N. Setterberg.

Kappa Delta Tau: David Balkin, Max Berger.

Phi Pi Phi: V. A. Taylor.
 Rho Delta Rho: J. Ackerman, S. Schwartz.

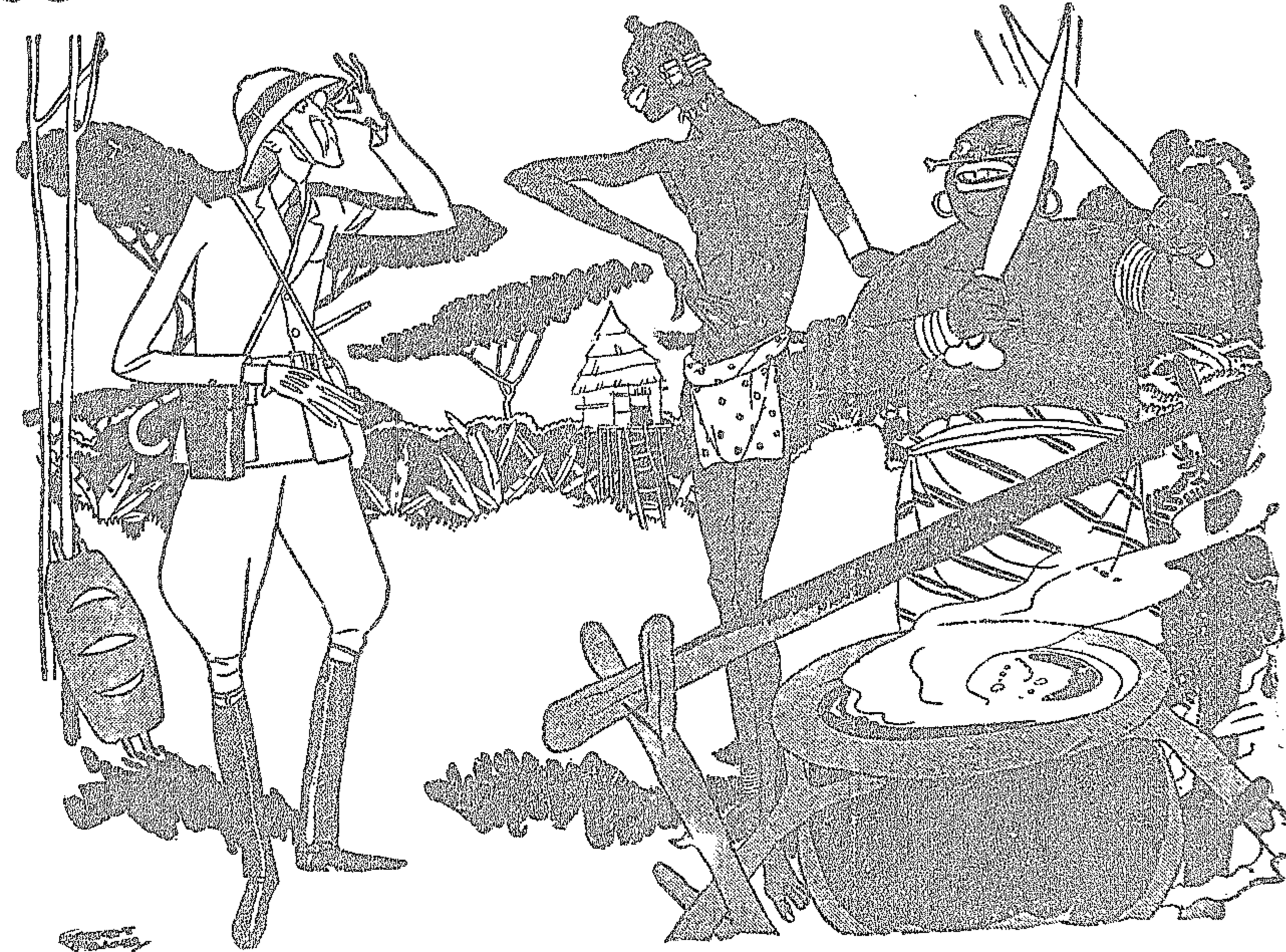
Sigma Alpha Mu: Carl Heyman.
 Triangle: Leslie Kantner.

A good representation of Delts responded to the invitation of the Delta Gamma sorority of Northwestern University to attend their open house party, October 20. Next Saturday evening will find most of the men of the Delta Tau Delta fraternity at the Halloween Dance to be given by the University of Chicago chapter.

The Theta Xi annual Hallowe'en Dance is slated for Saturday evening, October 27.

Armour Chapter of Triangle fraternity has been invited to attend the annual Firemen's Ball to be given by the U. of I. Chapter. In order to make the affair as realistic as possible, a fire truck has been hired for the evening, and it will serve as official taxi for carrying the couples to the dance and afterward dropping them off at Prehn's.

"Such popularity must be deserved!"



Down deep in the Kongo the native sons believe that anybody who has an explorer for dinner will absorb all the brains, courage and other success-assuring virtues of the unfortunate victim.

We wish we could say the same of Chesterfields—that all their popularity is conferred upon whosoever smokes them. Frankly, however, this is not invariably true. Several Chesterfield

smokers have recently been discovered who are not ambassadors, steel kings, or even bank presidents.

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