

NOVEMBER ISSUE A. I. T. ENGINEER SOON TO PRESS

Article by Lowden, '23, On
"Radio Chain Maintenance" Is Feature

L. F. BERNHARD IS EDITOR

The first issue of the Armour Engineer will be out for distribution about the middle of November. George R. Jones, Vice-President of the Public Service Company of Illinois, will write an article on the functions and origin of the Illinois Committee on Cooperation of Public Utility Interests with Educational Institutions. This committee is the one that sponsored the junior and senior inspection trips and the dinner given to the upper classmen last May at the Public Utilities Banquet in the Edison Building.

"Radio Broadcast Chain Maintenance" will be the subject of an article by V. E. Lowden, '23, E. E., of the Transmission Engineering Department of the Illinois Bell Telephone Company. "Atomic Hydrogen Welding" will be the topic of a discussion by a research engineer of the General Electric Company.

Leroy F. Bernhard, '29, is the Editor-in-Chief of this year's Engineer. The position of Associate Editor is to be held for the coming year by M. B. Goiber, '29. L. P. Brown, '29, is the Business Manager. The office of Assistant Editor is still open, although several applications have already been received and are being given consideration. Other staff members are R. J. Guenther, H. H. Dozois, V. A. Peterson, C. A. Blomquist, and A. J. Stabovitz, all of whom are seniors.

Frosh Drink 112 Qts. Cider At Handshake

The annual Freshman Handshake was held in the Armour Mission last night. The date as first announced was October 10, which came in the middle of rushing week. For this reason the date was advanced one week to give the various fraternities a chance to look over the freshmen before the rushing starts.

Prior to this year the Handshake has been managed by the Campus Club alone. This time it was under the supervision of a committee composed of one member from each social fraternity and one from the Campus Club. F. W. McCloska, the representative of the Campus Club, was chairman of the committee. The event is financed by the Institute.

The program was opened by two selections from the band. An address of welcome was delivered by Dr. Raymond, which was followed by a few readings of his verse by Professor Amsbary. The band again entertained. The Armour Tech Fight song was sung by the students, under the direction of Professor Leigh. Refreshments were served in the basement of the Mission, and consisted of doughnuts and twenty-eight gallons of cider. An interclass basketball game followed, which ended the program.

George A. Rezac, '29, had charge of the music for the entire evening.

ASSISTANT MANAGER WANTED

W. C. Kraft, basketball coach, has asked for applications for the position of assistant manager of the varsity team. This position is open to any junior who can qualify. All applications should be addressed to the Coach before October 15.

P. E. Heath Chosen Asst. Cycle Editor

Preston E. Heath, '30, circulation manager for the Armour Tech News, was appointed by Sphinx to the position of Associate Editor on the Cycle, Armour's yearbook. His appointment followed after David T. Smith, '30, who was originally chosen to fill the position, resigned in favor of his position as News Editor for the Armour Tech News.

With the appointment of Heath as associate editor, the staff is now complete, excepting the position of humor editor. Aspirants for this important post should apply personally to the Editor-in-chief, Boyden W. Hindman, '29.

The staff has already begun active work on the 1929 edition. "In order to maintain the standard of craftsmanship set by Kent H. Parker, editor-in-chief of last year's book, the staff aims to devote a great deal of time to the work, and is starting on its plans right now, two months sooner than ordinarily," said Hindman, when asked for a statement.

The staff now consists of the following:

B. W. Hindman, '29—Editor-in-Chief.
P. E. Heath, '30—Associate Editor.
D. Banta, '30—Art Editor.
P. Kjellgren, '31—Photography.
J. H. Tschudy, '30—Social Editor.
R. E. Kilbourne, '30—Fraternities.
E. B. Rose, '30—Athletics.
B. Dudley, '30—Organization.
E. P. Boynton, '30—Business Manager.

Prominent Tech Paper Quotes Arm. Engineer

An article by Professor Daniel Roesch entitled "Audibility Spark Advance Auto Knock Tests," published May, 1928, in "The Armour Engineer," was reprinted in the July 26 issue of the "Oil and Gas Journal," a technical publication serving the automotive industries. This again graphically illustrates the high standing enjoyed by "The Armour Engineer" among technical publications throughout the country.

Students Show Interest In Aviation Courses

The Ground School Course in Aviation that is being taught at Night School is showing a steady increase in interest. This is evidenced by the size of the enrollment, there being 93 students signed up, while many have been turned away due to the excessive size of the class. The difficult problem to date is to decrease the size of the group. Because of the large demand for this subject, it is probable that the course will be given in the second semester, thus accommodating a greater number of students.

Architects' Beaux-Arts Summer Entries Judged

Announcement of the results of the judgments of the summer school entries to the Beaux-Arts Competition is expected back at any day by the Architectural Department.

Drawings are already being submitted by the juniors and seniors. They will not be judged for a considerable time, however, and results on them will be given out about the first week in December.

FRESHMEN ELECT J. LADEN PREXY AMID SEMI-RIOT

Wholesale Stuffing of
Ballot Box Kills
Further Business

Officially (though not very efficiently) launching itself on its four-year career, amid much confusion, more excitement, and gobs of campaign literature, the Class of '32 last Monday morning elected J. A. Laden to be their president for the ensuing year.

Five Nominees Proposed

A slate of five nominees was first formed while F. H. Juergensen, '29, Senior Class President, acted as chairman pro-tem. A vote cast to select the two highest of these candidates, with the following result:

Laden	66
Chapman	63
Hendricks	35
Manger	27
Jackson	13

Second Ballot Elects Laden

A second ballot produced 116 votes for Laden against 83 for Chapman, after which Juergensen relinquished the chair to the new prexy.

In an adjoining room shortly after the hour began, Professor A. E. Phillips dismissed his class because of the shouts and yells which issued from the excited electioneers.

Large black-letter printed placards and green printed handbills featured in the campaign, which drew 205 voters.

Aside from the election of the president, nothing of importance was accomplished. The meeting rapidly degenerated to the point where a wholesale stuffing of the ballot occurred, so that it was necessary to postpone further proceedings.

However, a slate of four nominees for vice-president was framed, with Curran, Akerman, I. C. Johnson, and O'Connor as the candidates.

The day and hour for the second installment of the free-for-all was not announced at that time.

Dean Palmer called the gathering to order, and announced the time and the purpose of the Freshman Handshake, urging 100 percent attendance. He then allowed the class to continue the meeting on their own responsibility, assuming them well capable of doing so.

Dave Smith, '30, was also given an opportunity to speak. He made a plea for freshman candidates for the Cross-Country Team.

Sophs Also Try For Noisy Election Honors

Not to be outdone by the upper classmen, the Sophomores, at their class meeting held last Friday, Sept. 28, established a new record for disorder and lack of accomplishment. Most of the time was spent in arguing over rules of Parliamentary procedure while the real business of the day, the election of officers, made little headway.

The meeting was called to order by the retiring president, E. T. Holin, who announced that nominations for president were in order. C. Robin, and T. Schueler were named and then the motion to close the nominations was made and seconded. President Holin evidently entertained other opinions, however, and refused to recognize the motion, declaring that in his opinion other nominations should be made. The question of order was at once raised but the objectors were not recognized by the chair. Several others clamored for

(Continued on page 3)

Juniors Run Election In Two Installments

After two turbulent class meetings the Juniors finally succeeded in electing officers for the year of 1928-29. The first was held Thursday, September 27, in Science Hall, and resulted in the election of Martin van der Velde as president and Normand D. Buehling as vice-president. The meeting was noisy and disorderly throughout, with the contending "political factions" making their presence and preferences known in no uncertain fashion. Three candidates were nominated for president. They were: J. E. Rausch, Martin van der Velde and Don Paul. The first vote stood: Ransel, 56; Paul, 46; van der Velde, 48.

Since the class constitution provides that unless one candidate receives a majority of votes a second vote shall be taken for the two highest on the list, a second ballot was run. The result of this ballot was: van der Velde, 83; Ransel, 65.

Only two candidates were named for vice-president—Walter Scott and Normand D. Buehling. The result of this vote was: Buehling, 81; Scott, 66.

The second meeting, held Tuesday, October 2, in the Assembly Hall, was considerably more subdued than the former, with the result that the remaining elections progressed smoothly and rapidly. The position of secretary went to William Haffner, who received 89 votes to 36 for L. J.

(Continued on page 3)

Sheepskin Candidates Must Check Credits

Seniors who are expecting to graduate next semester are being requested by the Dean's office to report to Dean J. C. Penn or to Mr. Kelly before October 15. This is for the purpose of adjusting any difficulties in the way of credits that are necessary for graduation.

A list of the prospective graduates is posted on the Bulletin Board in the foyer of the main building. Any omissions should be reported immediately.

Deadline For Senior Coat Orders Deferred

Since only twenty-eight orders for senior coats were in on Monday, Oct. 1, officials of the Senior class have announced that the deadline has been postponed until forty orders are received.

Rexford and Kelder, the firm furnishing the coats, announce that they cannot fill the orders unless at least forty applications are made. The price of the coat is to be \$7.75.

NEWS CONDUCTS STRAW-VOTE ON HOOVER, SMITH

Students and Faculty
Urged to Mark
Choice Now

BALLOT PUBLISHED BELOW

Because of the high interest in the November election of President of the United States, the ARMOUR TECH NEWS is conducting an extensive straw vote to determine the voting preference on the two candidates among its subscribers.

All students, regardless of age, are asked to vote. The complete student opinion is of much more interest than just the votes of those students who are of voting age.

Herbert Hoover, the Republican candidate, was born in West Branch, Iowa. He received his degree in engineering at Leland Stanford University in 1895 and has since been honored by twenty-seven other universities. He held the position of food conservator during President Wilson's term.

Alfred E. Smith, the Democratic candidate, was born in New York City. He started his varied and successful career as newsboy and became one of New York's leading men. He has been elected governor of New York state four times, and has a personality that is rare.

The ballot will be found at the bottom of this page. Every ballot should be returned with an X after the voter's choice for President. Tear out the ballot and deposit it in the box provided for that purpose in the foyer of the main building.

Arch. Department Has Three New Instructors

The Architectural Department at the Art Institute has three new instructors. Mr. Arthur Deem, graduate of Columbia University, who received an award of the American Academy of Rome, will be critic in Senior Design. Criticism will be given on Tuesday and Thursday afternoons, and Friday evenings.

Mr. W. L. Suter, Armour graduate of 1923, who has just returned from an extended tour of Europe, will be the freshman instructor. Mr. Jay Edwin Petersen, Armour graduate of '26, will assist Mr. Suter and Mr. Bentley, sophomore instructor.

An election of officers of the Rifle Club will take place tomorrow afternoon at 4:15. All members are urged to attend. New members are also invited.

BALLOT

Straw vote conducted by ARMOUR TECH NEWS on two Presidential candidates. All students, regardless of age, are entitled to vote. Returns on vote will be published in the NEWS, October 11.

Mark this ballot, tear it out, and drop it in ballot box
in foyer of main building immediately.

HERBERT HOOVER
Republican Candidate

ALFRED E. SMITH
Democratic Candidate

MARK X AFTER ONE ONLY

Mark this ballot at once. All votes will be collected and counted
Monday, October 8.

ARMOUR TECH NEWS

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

EDITORIAL STAFF

Editor-in-Chief John Hommes, '29 Desk Editor Fred B. Farrell, '29 News Editor David T. Smith, '30 Department Editor Charles E. Morris, '30 Assistant Walter J. Ehrmeyer, '29 Social Editor John E. Tarman, '30 Athletic Editor John P. Edstrand, '29 Humor Editor (Not yet chosen) Feature Writer Joel M. Jacobson Faculty Adviser Professor Walter Hendricks

CONTRIBUTORS

Fred A. Atwood, A. B. Auerbach, A. J. Aukstaitis, L. W. Booker, Frank M. James, S. S. Pulaski, H. P. Richter, W. H. Rudolf, S. B. Scavuzzo, R. F. Stellar, Max Schinke, H. W. Yount.

BUSINESS STAFF

Business Manager Russell E. Johnson, '29 Assistant Thomas R. O'Malley, '30 Advertising Manager Stanley A. Beatty, '30 Assistants Morris O. Nelson, '30; Wilbert B. Deering, '30 Circulation Manager Preston E. Heath, '30 Assistant John W. Gamble, '29 Exchanges D. G. Garen, '30

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Armour's Fall Vaudeville

Armour Tech's annual vaudeville shows are rapidly nearing the completion of another very successful run. Four major spectacular performances have been completed, three of which proved so popular that continuances were demanded; four hilarious audiences have proclaimed the recent shows unparalleled in the school's history.

The central theme of each entertainment was an election. And the actors performed so marvelously and so true to life, that a few of the more serious-minded on each occasion got the impression that an actual election was taking place. Every actor knew his part perfectly; not one spoke out of turn.

It is regrettable that the managers did not provide suitable costumes for their employees, say those of clowns. This would have made their triumph complete. Then, as their acts proceeded, and their characters were duly elected, we could see them garbed as they should be, and could then enjoy the joke without restraint. But, of course, that is expecting a great deal from the management, for, as you know, no admission was charged at any of the performances.

A few dissenting remarks have been voiced, however, not on the technique of the performance which all admitted was perfect, but on the choice of subject. These critics argued that, in choosing for their theme an election, the dramatists are guilty of a plagiarism, since they are copying direct from our city and state politicians. The dissenters suggest that the vaudeville directors be more original.

While we agree with these contentions to a certain extent, we doubt if the suggestion will have any effect on our erstwhile entertainers, since they have found the election racket to be the most profitable.

Strangely, and unfortunately, the several class groups have decided to retain in office the men who were so clownishly elected. In so doing, they are certainly cheapening the positions of class officers, until they are even now well-nigh meaningless. Yet it is true that these very officers, elected on such an unrepresentative basis, will brazenly continue to appear before their class meetings, innocently believing themselves to be held in high and unrestricted popular esteem. What sad delusions!

Our Own Prohibition Enforcement

There has always been an unwritten law at Armour to the effect that smoking in the buildings and near the front entrance to the Main building is taboo. The "law" is usually explained to the students upon their entry as freshmen, and from then on they are expected to remember it.

By the time that they are juniors and seniors, many of the students have either forgotten ever being forbidden to do so, or they think that they now have acquired "sufficient drag to get by with it." In any event, there is a growing number of offenders who insist on gracing the Main entrance with their smoking persons. The natural result is an accumulation of cigaret stubs in the vicinity, not to speak of the unfavorable impression which the sight of several inhaling idlers makes upon visitors.

As has been intimated, these "law-breakers" are mostly upper-classmen. Since the seniors are soon to be distinguished by jackets, they have especial cause to guard their actions lest the freshmen, in mimicking fashion, innocently follow suit, and cause complete breakdown of the ruling.

With so negligible a number of rules of student conduct as exists at Armour, it should not be necessary to carry on any active police duty. We hope that the Deans' office is not compelled to pass a Volstead Act of its own in order to enforce this unwritten statute.

Dr. Scherger Visits Dean Monin Abroad

Dr. George L. Scherger spent the summer in Europe, landing in Oslo, Norway, and returning by way of Liverpool and the St. Lawrence to Montreal. He visited thirteen different countries, gathering impressions at first hand of conditions and studying the cultural treasures of the great art centers of the Old World. Dr. Scherger was particularly impressed with the wonderful progress that has been made in Italy and Germany since his visit a year ago. He feels as much at home in European capitals like London, Rome, Florence, and Berlin, as he does in Chicago. No doubt the material he gathered will be of great interest to his classes and audiences.

Professor Scherger visited our former Dean, Professor Louis C. Monin at Zurich, Switzerland, and transmits Dean Monin's greetings to all his friends.

Prof. Griffith's Floating Stone Looks Very Fishy

Professor J. R. Griffith attempted a little demonstration of volume displacement last Monday to the surprise of his spectators. Having been asked for a contribution to the News, he thought a while, and presently a condescending smile spread over his face. He walked into his office and came out with something carefully hidden in his hand, then he obtained a cup of water and placed it in front of him. He opened his hand and held up a stone. This was magnanimously dropped into the cup of water,—but, dammit, the fool thing didn't sink. Yep, the stone can be seen by the incredulous, if Professor Griffith can be induced to show it promiscuously to their curiosity.

LETTER-BOX

(Ed. Note: This column is open to opinions of any students who care to write a signed letter. No anonymous mail will be honored, but the name of the writer may be omitted in the NEWS if so sired. Articles may be on any topic, but should be limited in length to 200 words.)

To the Editor:

Could the support of the NEWS be enlisted in obtaining a day off on November 6? This is election day and 10,000 workers will be drafted by Judge Jarecki to watch the polls at ten dollars a throw. Any student will admit that ten dollars for such a day's work is not disagreeable to accept, but such will probably not be the case in event there are classes on that day. The Chicago Tribune a few weeks ago printed an editorial suggesting to Judge Jarecki that college students be given the opportunity to work on election day and earn a little money. But the college students are out of luck if they don't get the day off. How about the NEWS "talking it up"? Can never tell what might happen. —Ten Spot.

To the Editor:

Making a credit equivalent to the grade of C seems rather unfair to me. Why should a student's average suffer just because he has had some required work and gets credit for it? There is the point of view of the student who has transferred from another college. Armour is a good school, but there are also many other good schools that have just as high scholastic standing. Why count in these credits when determining a student's average? That average, when computed, is certainly not a record of his work at Armour.

I think a modification of this severe and unjust rule should be made. —A Sufferer.

THE INQUIRING REPORTER

Question: How do you like morning shops and afternoon classes?

E. L. Cordes, '32, C. E.: Morning shops offer an outlet for the surplus energy that has a tendency to make a student restless during the day and take his mind off of his studies. With this energy worked off he can apply his mind to his studies much better.

C. N. Pannon, '32, M. E.: Morning shops have many disadvantages for the student, but are an advantage for the Institute. Not only does it "de-energize" a person but we must remain dirty throughout the day. However, since we need more class room, and shops in the morning give more, I suppose there is an advantage in the end as smaller classes are available.

G. E. Wieland, '32, M. E.: Morning shops take all the energy out of a person, so that when he must apply himself to his studies in the afternoon he has no more pep, or rather less than if he would not have had a shop.

L. Majewski, '32, C. E.: By taking shops in the morning one has a chance to become thoroughly awake; it also affords some time for one to finish the homework left over from the night before. The shop affords a means to get rid of the tired restless feeling, and aids the student with a fresh mind for his afternoon tasks.

J. O. Cavanagh, '32, Ch. E.: For my part, I would rather have shops in the afternoon. In the morning a person feels fresh and is able to think much better for his classes. If the morning is spent in shops, he begins to feel rather drowsy around 3 or 4 o'clock.

Arends, '32, F. P. E.: Well, that verse in the Slipstick last week about core sand down your shirt expresses my sentiments exactly.

Dan White, '32, M. E.: Morning classes are no good. They steal the best time of day for laboring purposes, and leave us spend the sleepy afternoons in stuffy class rooms trying to absorb our deeper studies.

ASSISTANT LIBRARIAN ILL

Mrs. E. O. Smith, assistant librarian in the Armour Institute Library since September, 1928, has been ill for the past two weeks, and is at present under observation at a sanitarium at Cleveland, Ohio.

Her place is being taken by Mrs. M. H. Dickerson, previously of Evanston Township High School Library.

New Names Added To Sub. List; Drive Closed

Since last week a few stragglers have run in under the subscription deadline. The campaign is now definitely closed to the students. Faculty subscriptions will be taken for the remainder of the week, since they were not solicited until last Friday. Following are the remaining students:

- Banta Levin Boulas Lutz Briggs McLane Christiansen Missner Dean Olsen De Ruycke Reichle Durrant Schinke Ehrmeyer Setterberg Falconer Sitzler R. Goldsborough Smith, G. H. Haegele Stebbins Hawes Steck Hill Swanson Hillam Tayama Horras Taylor Jillson Theede Katz Turk Klopp Ware Kohout Watson Leardi Zane

"THE SLIPSTICK"

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

How To Operate a Slide Rule In Four Slips

Prof. Noah Webster defines the slide rule as follows: Slide—derived from the Egyptian Cleopatra—to slip—to glide, to pass smoothly.

Rule—(Ancient Hebrew) an instrument, a rude process or operation. Hence, slide-rule, an instrument used to pass a course smoothly by a rude process.

A slide rule is something like a woman. It is slippery and no one ever learns to manage one. It has a variety of figures which are more or less true. Its beauty is only skin deep, but, like the girls at a dance, it has sines on its back. Men are crazy until they get one, and after they get it they wish they had saved their money.

Slip I—Obtaining a Slide Rule

In order to impress your friends and your girl that you are really an engineer, determine to secure a good rule. Get one, either buy it or find it, with as many numbers and scales as possible. The more scales it has the greater the impression. Get a magnifying glass on the slide by all means. Your errors will be more accurate.

Slip II—Carrying a Slide Rule

On first obtaining a slide rule, print your name, address, telephone number, home address, and reward offered. Take the rule with you everywhere. Wear it in the right coat pocket exposed to full view.

Slip III—Fundamental Relations

Remove the slide rule from the case. Remove slider and let drop easily from a height of ten feet on something hard, such as iron or concrete. Buy a new slider and place a standing order for one per week. Work the inside scale up and down the rule until it moves easily from one mark to another. If the rule sticks, whittle off about half an inch and try again.

Slip IV—Relations—Continued

Take some simple numbers, as two, ten, seven, eleven, etc., which you know are right. Follow directions closely. Place the slider and slide over the same number on the lower scale. This takes time to learn and must be learned thoroughly. Now, if you wish to multiply two by three, place the glass slider over three on some other scale. Look on one of the scales and read your answer. If you find that somewhere along the line you find a six, repeat until the result is 5.95 or nearly that. A little practice such as this will soon wreck your arithmetic, but you don't need it, anyway. Now that you have learned the principles, the next important thing is the decimal point. Use this method in finding the point. If your grandmother married your grandfather in 1842, place the point after the second figure, but if the moon is made of green cheese place the point after the fifth figure. In any case you will be wrong and will have to check it with long hand.

Some big hay and horse men were around the other day looking for "Big Bill" Brady. They wanted some advance betting "info," having learned that E. B. B. had picked all the winners in the recent senior election.

Packer Brown: "Do you think you are as good looking as I am?" Bill Berry: "Why, sure!" P. B.: "Well, you're conceited!" D.

Horras: "Put a guest towel in the bathroom." Kutteruff: "What do you mean by a guest towel?" Horras: "A clean towel, sap!" T.

Cooper: "Do you like Shakespeare's work?" Bill: "Where does he work?" S

Colvert: "I believe that you might talk more intelligently if you had more sleep before coming to this class." Timmermans: "But you see I have only one class before this." M

Higgins: "I'd have gotten here sooner, but my car broke down." Serson: "Tire trouble?" Higgins: "No; I think they said it was the trolley." I

Those that flunk their condition exams next week should remember that, after all, a zero is nothing. T

Prof. Scherger (addressing prospective group of statesmen): "I want you to get out of this course in public speaking just as much as you can." H

Sing a song of collich daze, A beer stein full of water; Along comes the election craze— Oh, ma! Can I be social chairman? —Sum dum fresh.

NOTICE

Chicago politicians wishing to learn modern methods of ballot stuffing, etc., are asked to communicate with the sophomore class, A. I. T. Reasonable rates; success guaranteed. A. A.

ARMOUR STUDENT BRANCH A. I. E. E. OPENS ACTIVITIES

The meeting of the Armour Student Branch of the A. I. E. E., held last Monday, opened what promises to be a successful year for the society. About seventy student and faculty members attended.

Student Chairman C. J. McDonald, in an introductory address, spoke on the organization and past activities of the societies, and benefits to be derived from membership.

Supplementing McDonald's talk were short speeches by Professors Freeman and Moreton.

Announcement of the personnel of the three standing committees was made by the chair. The membership of these committees is as follows:

Program Committee—R. J. Guenther, chairman; F. W. McCloska, John Teker, L. F. Bernhard, George Rummer, Harvey Dozois and G. W. Baker.

Social Committee—Vernon Peterson, chairman; B. W. Hindman, F. C. Ong, E. H. Roffee and L. P. Brown, Membership Committee—John J. Brady, chairman; G. L. Freundt, F. E. Sanborn, J. W. Papantony, C. R. Southwick and Beverly Dudley.

Membership this year is to be open to sophomores as well as to juniors and seniors, under special arrangement. The sophomores have the choice of two methods of enrollment, either as associate members in the A. I. E. E., in which case their enrollment as student members ends when they leave school, or they may enroll as members of the local branch with participation in local activities only.

Membership under the first system will cost \$4.25, of which \$3 is for the monthly publication of the A. I. E. E. and \$1.25 for local activities. Under the second system the \$1.25 alone will have to be paid. The meetings are to be held every second Monday at 11:30 o'clock.

The meeting voted to hold the annual fall smoker on Wednesday, November 7. Detailed arrangements as to time and place, as well as program, were left to the newly appointed social committee.

Prof. Roesch Spends Summer In Research

Professor Daniel Roesch of the Gas Engine Laboratory spent a considerable part of the summer at the experimental laboratories of the Stewart-Warner Corporation at York, Pa. His work consisted of testing and inspecting a new type of hydraulic auto transmission being developed by engineers of that company. Professor Roesch reports that as yet nothing definite has been accomplished, as plans are still tentative.

JUNIORS ELECT OFFICERS

(Continued from page 1)

Steck, his opponent. J. Bechtold was elected treasurer by a majority of 23 votes over C. H. Johnson.

Announcement that nominations for social chairman were in order precipitated a mild riot, but only two men were nominated. They were: R. Serson and A. Reglein. The election resulted in a landslide for Serson, who received 104 votes to 28 for his opponent.

Four nominees were named for sergeant-at-arms. They were: A. Gunther, L. Chanuson, F. Sandborn and L. J. Ferguson. The final vote was: Gunther, 40; Chanuson, 10; Sandborn, 47; Ferguson, 41.

Summary of Ballots

For President—van der Velde, 83; Ransel, 65.
For Vice-President—Buehling, 81; Scott, 66.
For Secretary—Steck, 36; Haffner, 89.
For Treasurer—Bechtold, 81; C. H. Johnson, 58.

Chgo. Sanitary District Opens Big Waste Plant

The \$32,000,000 sewage treatment plant which the Sanitary District of Chicago erected at Howard street and McCormick road was dedicated October 1 in an elaborate public ceremony. Col. A. A. Sprague, acting chairman of the Chicago Plan Commission, presided at the formal opening.

A description of the plant was given in an article in last January's issue of the Armour Engineer, written by H. E. Larson, '28. The plant has a daily capacity of 400,000,000 gallons of sewage, which is treated in three batteries, each containing twelve sludge tanks.

With its vast system of large-sized interceptor sewers, honeycombing twenty-one miles of territory, this plant is said to be the largest of its kind in the world. It will serve a district now supporting a population of 1,000,000.

The sewage works covers seventy acres of land, and, exclusive of the treatment tanks which occupy most of the site, consists of five buildings. These structures have been built upon an attractive architectural plan and with the landscaping that has been done about the grounds, in no way suggests that it is the sewage treatment plant.

Disorder Features Sophomore Election

(Continued from page 1)

the floor to make additional nominations, adding to the disorder which already existed. Holin attempted to recognize these latter speakers but was drowned out in the uproar which ensued.

When order was finally restored, it was found that the greater part of the time had already been spent and that it would be impossible to finish the elections on that day. It was finally agreed to let the presidential nominations stand as they were and to proceed to nominate candidates for the other offices. While this decision did not meet with much favor with the majority, it prevailed and business was resumed.

The nominees for the other offices are:

Vice President—
R. Timmerman
E. Craig
Secretary—
P. Kjellgren
T. Jankowski
Treasurer—
H. A. Bailey
L. Bramson
Sergeant-at-Arms—
R. Meagher
E. J. Stehno.

\$15.11 Was For Books, But Yeggs Don't Study

When someone pokes a gun into your ribs, being a member of the Rifle Club does not help your self-complacency any. This was discovered last Wednesday by Joel M. Jacobson, civil senior, who was returning from his weekly (?) visit when he was ordered to "stick 'em up" by two young yeggmen of the North Side. Not having his (t)rusty rifle handy, arguments were useless and he was relieved of \$15.11, which he had expected to be taken from him by Stanley ("Dough") Livingston for a book on the following day. The men disappeared through a neighboring alley, and when the police arrived, two hours later, they were probably using the proceeds for wine, women and song, instead of college algebra. The experience has cured Jake of coming home after 8:30 p. m.

For Social Chairman—
Serson, 104; Reglein, 28.
For Sergeant-at-Arms—
Sandborn, 47; Ferguson, 41;
Gunther, 40; Chanuson, 10.

An Old-Timer



FRANK OSTER

HAVE YOU EVER NOTICED—

When the other fellow acts that way, he is ugly; when you do, it's nerves?

When the other fellow is set in his way, he's obstinate; when you are, it is just firmness?

When the other fellow doesn't like your friend, he's prejudiced; when you don't like his, you are simply showing that you are a good judge of human nature?

When the other fellow tries to treat some one especially well, he's toadying; when you try the same game, you are using tact?

When the other fellow takes time to do things, he is dead slow; when you do it, you are deliberate?

When the other fellow spends a lot, he is a spendthrift; when you do, you are generous?

When the other fellow picks flaws in things, he's cranky; when you do, you are discriminating?

When the other fellow is mild in his manner, he is a mush of concession; when you are, it is being gracious?

When the other fellow gets destructive, it is toughness; with you it is forcefulness?

When the other fellow dresses extra well, he's a dude; when you do, it is simply a duty one owes to society?

When the other fellow runs great risks in business, he's foolhardy; when you do, you are a great financier?

When the other fellow says what he thinks, he's spiteful; when you do, you are frank?

When the other fellow won't get caught in a new scheme, he's backwoodsy; when you won't you are conservative?

—Worth Reading Bulletin.

UNIVERSITY MIXER

The Woodlawn Young People's Chapter of the Epworth League announces its "Mixer," which is to be held Friday night, October 5, at Woodlawn M. E. Church, 64th street and Woodlawn avenue. It is an annual "get together" for all university students in and near the community. Plans have been made for the entire evening, and a good time is assured all who attend. All interested are cordially invited. Come and bring a friend! You'll see some Armour students there!

Custodian of A. I. T. Buildings Since World's Fair Is Record of Frank Oster

One bright December morning, in the winter of '92, just as preparations for the Chicago World's Fair were at their height, there walked into the office of Dr. Frank W. Gunsaulus, then president of the Armour Institute of Technology, a rather tall, stately man, with light hair and long Kaiser Wilhelm mustache, immaculately clad in an elegant Prince Albert suit, and carrying in his hands a high plug hat. The president, upon looking up from his desk, half suppressed a sudden inclination to smile, while the visitor, in a broken, foreign accent, introduced himself.

He was a Mr. Oster. He had come to Chicago from Sweden, expressly to view the famous Exposition. He had been in the country only two months, but in that time certain circumstances developed which made it highly desirable that he stay in America, he explained. Hence he was looking for work. On board ship he had met a man whose brother went to Armour, and through him had heard that the school was in need of a custodian of buildings. Could he be given a try-out?

We—ll, now, let's see,—yes, he could.

And so he went to work. The dress suit was laid aside, and succeeded by a suit of overalls. Frank Oster went to work, and is still at work, as custodian of the A. I. T. buildings. And from the unique introduction on that wintry day, there developed a warm personal friendship between the two men which was broken only by the death of Dr. Gunsaulus in 1921.

No one knows him by any other name than Frank, so we'll have to leave the Oster part off of it.

Frank was born in Sweden 63 years ago. Educated there in the grammar and high schools, he became partner with his brother in the operation of a chain of hotels in the larger cities there.

His home town, Stockholm, having a population of over 400,000 when he left, he knows only life in a big city, and loves it.

Like many other of his fellow townsmen at that time, he was caught with the fever to come to America to attend the World's Columbian Exposition, and entered a migration that almost equalled the gold rush of '49.

He came, intending to return shortly. But then along came those circumstances which he explained to Dr. Gunsaulus made it so desirable that he stay. The circumstances were, of course, marital.

Frank then settled down to become an American citizen. A year passed before he was sufficiently U-S-ized so that he even ceased to wear to church the Prince Albert which was so common in his home country.

Rapidly acquiring a love for Armour and his work here, Frank soon grew to be an indispensable part of the Institute. He knows its history in all details, for he has helped to make it, is part of it. He loves to talk of past incidents; of the exciting times, for instance, when Armour had a football team, or of the time when the seniors hoisted a suit-case bearing their class numerals to the top of the huge flag pole then erected on the Main building, and cut the rope loose, so that one of the instructors (name upon request) had to climb up to bring it down. Frank was held responsible for this, and FIRED, but, an hour later,—well, they could hardly spare him that long!

Frank delights in showing his collections of clippings, manuscripts, speeches, annuals, pictures, and keepsakes pertaining to the Institute, which in themselves tell a comprehensive history of the school.

And speaking of keep-sakes reminds us of a remarkable hobby of his, which also illustrates his unusual talent. He has made a hobby of binding into book form, clippings, stories, or any written accounts that he believes worthy of preservation. His most recent efforts along this line produced a beautiful bound set of the first five issues of the Armour Tech News as they appeared last semester. The volume is really a work of art, decorated with clippings of flags, Institute views, pictures, and containing also messages by Dr. Raymond and Dean Monin, as clipped from the Engineer. All these are mounted on heavy pasteboard stock for permanent keep.

The spring of 1913 was the time he first started this hobby, says Frank. He really hit upon the idea when he was laid up for six months in 1912 as a result of a serious operation.

His first real production was a long scroll, having mounted into it copies of the programs of Dr. Gunsaulus' Central Church services, together with a short comment on the sermon of each Sunday. He continued this scroll for over a year, from 1915 to 1916, when it became unwieldy.

Since that time he has pasted into book form numerous current subjects, including a complete story of Lindbergh's famous flight, as told in newspaper articles. This latter was presented to Mrs. Lindbergh, Lindy's mother. At present he is preparing a bound volume of John McCutcheon's story, "The Master of the World," which is appearing weekly in the Sunday Tribune.

Now Frank is starting to bind Volume II of the NEWS, and intends to keep on binding and preserving a set of the newspaper as long as he's able.

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SENIORS LOSE TO JUNIORS BY SCORE OF 2-0

Simpson Pitches for the Juniors and Gives No Hits

Skill that savored of big league pitching rolled from the right hand of King Simpson Monday, Oct. 1, at Ogden Field and the proud seniors were forced to accept a 2-0 defeat in the fall baseball tournament. Simpson's hurling was all the more impressive, in that no ball was driven to the infield or the outfield, while 11 men struck out and 2 walked. One of these, Yount, stayed on base only a short time, being caught stealing a few seconds later, Weldon to Reichle.

The juniors lost no time in picking up a run off Newman, the senior hurler, in the first inning, when Ransel doubled and Weldon sent him home with a single, with the run which would have easily defeated the seniors the way Simpson was hurling. Then in the 3rd Aste doubled to left and came home on a series of force-plays. In the fifth inning the juniors were again on the rampage having scored 4 runs when with 2 out darkness and rain interfered and the game was called, forcing the score back to last official inning completed.

Newman pitched a steady game for the seniors allowing but 4 hits in four innings, but 4 errors back of him gave the juniors the opportunity to score. Weldon of the juniors provided the heavy artillery, being responsible for both tallies garnered by the juniors, besides doubling in the fifth when rain interceded the play.

The final battle in the inter-class tournament will find the victorious juniors opposing the sophomores, who disposed of the freshmen 10-1.

Lineup:
Juniors (2) Ransel, c.f. Weldon, c. Aste, s.s. Reichle, 2b. Simpson, p. Kribeck, 1b. Bechtold, r.f. Griffin, 3b. Baldwin, l.f.
Seniors (0) Jillson, 2b. Gent, 3b. Jennings, 1b. Edstrand, r.f. Friedman, s.s. Cassidy, c.f. Kara, l.f. Yount, c. Newman, p.

Score by innings:
 Juniors1 0 1 0—2 4 0
 Seniors0 0 0 0—0 0 4

Big Ten Football Schedule

CHICAGO		
Sept. 29	South Carolina	at Chicago
Oct. 6	Wyoming	at Chicago
Oct. 13	Iowa	at Chicago
Oct. 20	Minnesota	at Minnesota
Oct. 27	Purdue	at Chicago
Nov. 3	Penn.	at Wisconsin
Nov. 10	Wisconsin	at Chicago
Nov. 17	Illinois	
NORTHWESTERN		
Oct. 6	Butler	at Northwestern
Oct. 13	Ohio	at Northwestern
Oct. 20	Kentucky	at Northwestern
Oct. 27	Illinois	at Illinois
Nov. 3	Minnesota	at Northwestern
Nov. 10	Purdue	at Northwestern
Nov. 17	Indiana	at Indiana
Nov. 24	Dartmouth	at Northwestern
ILLINOIS		
Oct. 6	Bradley	at Illinois
Oct. 13	Coe	at Illinois
Oct. 20	Indiana	at Illinois
Oct. 27	Northwestern	at Illinois
Nov. 3	Michigan	at Michigan
Nov. 10	Butler	at Butler
Nov. 17	Chicago	at Chicago
Nov. 24	Ohio	at Illinois
WISCONSIN		
Oct. 6	Notre Dame	at Wisconsin
Oct. 13	North Dakota	at Wisconsin
Oct. 20	Purdue	at Purdue
Oct. 27	Michigan	at Michigan
Nov. 3	Alabama	at Wisconsin
Nov. 10	Chicago	at Wisconsin
Nov. 17	Iowa	at Iowa
Nov. 24	Minnesota	at Wisconsin
MICHIGAN		
Oct. 6	Ohio Wesleyan	at Michigan
Oct. 13	Indiana	at Michigan
Oct. 20	Ohio State	at Ohio State
Oct. 27	Wisconsin	at Michigan
Nov. 3	Illinois	at Michigan
Nov. 10	Navy	at Navy
Nov. 17	Michigan State	at Michigan
Nov. 24	Iowa	at Michigan

Sophomores Defeat Freshmen By 10-1

On the afternoon of September 28, in the first game of the fall inter-class baseball tournament, the sophomores defeated the freshmen to the tune of 10-1 at Ogden Field. Although outplayed through the entire contest by their superior classmen, the freshmen nine revealed smart baseball at all times. The sophs pounded the two freshmen pitchers, Andersen and Owens for ten runs while the frosh gathered only one tally due to a couple of errors. Stehno pitched a steady game for the sophs while Robin, Mago and Link did heavy stickwork. The game was decided early in the game when the sophomores put over five tallies in the third and followed with three in the next inning. The lineups were as follows:

Sophs (10) Houser, c.f. McLane, r.f. Mago, 3b. Robin, 1b. Miran, s.s. Hensen, 2b. Kutteruf, l.f. Link, c. Stehno, p. Larkin, r.f. Cook, 2b. Austin, l.f. Setterberg, c.f.	Frosh (1) Ackerman, 3b. Taylor, l.f. Polli, c. Grundstrom, 1b. Owens, r.f. Buck, 2b. H. Yount, s.s. Nelson, c.f. Andersen, p. Miller, c.f. Cannell, c.f.
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Score by innings:
 Sophs1 1 5 3 0—10
 Frosh0 0 0 0 1—1

SIXTY ENTRANTS BEGIN TENNIS TOURNAMENT MON.

The Fall Tennis Tournament will open its first-round of play next week. To date there are sixty entrants, and as there are only three letter men back on the varsity team the winners of this tournament will have an excellent chance to fill the three remaining vacancies. It is essential that all matches be played on or before the date set on the draw, or else they will be forfeited. The matches may be played on the Armour courts if they are in condition, or in any of the park courts that may be agreeable to the players. The last Tennis Tournament was held three years ago, in which George Jennings was the victor. Since that time, inclement weather has always prevented the carrying out of the contest.

The regulars that will return to the varsity team this year are ex-Captain George Jennings, '29, Charles D. Lamb, '29, and Captain-elect Ray F. Stellar, '29.

Track Team Hard Hit By Graduation

The Armour Track Team was hit hard by the last graduation, losing five veterans. Along with the Class of '28 went experts such as P. S. Diewert, Captain and many-distance runner; M. B. Tracy and D. G. Skaer, sprinters; F. D. Payne, distance; and R. N. Brown, pole-vaulter.

In spite of this loss, the team has three winners of the major "A" returning to the team this year. They are: J. J. Kara, '29, Captain and star hurdler; D. J. Paul, '30, veteran shot-putter; and V. A. Sturm who was second highest point-winner during the track season last year.

The school is looking upon these men to form the backbone of the team this year. "Don" Paul can be expected, from reports of his tossing the shot 47 feet this summer, to hang up some new records around the Institute. Captain Kara will launch a drive sooner or later to round up whatever Freshmen that look like promising material for the team this year.

The team will also have the services of the following men, who possess minor letters. They are: J. R. Yount, '29, shot-putter; H. Fox, '31; D. Iverson, '31; R. Timmermans, '31, and D. T. Smith, '30 (cross-country team captain), distance men, to help form the nucleus of the team.

The team has the good fortune to have the services of Mr. A. A. Stagg,

Thursday Is Selected To Be Honor "A" Day

The Honor "A" Society is an organization composed of the men at Armour who have won either a major or a minor "A," and is limited to the winners of such letters. The purpose of this organization is to keep alive that spirit of athletic competition, good sportsmanship, and fair play. Membership is placed at \$1.00 and there are no dues. An annual banquet is held.

The Honor "A" Society has set aside Thursday of each week as Honor "A" Day. On this day all students who have won letters at Armour, whether members of the Society or not, are asked and expected to wear their letters.

The following men, elected last spring, are the officers for this year:

J. J. Kara, President.
 V. A. Sturm, Secretary-Treasurer.

Jr., of the University of Chicago, as their Coach, Mr. Stagg acted as coach for the team last year, and built up a strong and successful organization.

BACKSTROKE MEN MUCH NEEDED BY SWIMMING TEAM

University of Chicago Pool Open to Team

The U. of C. swimming pool will again be accessible to the Tech swimmers, who are being coached by Coach E. W. McGilvray.

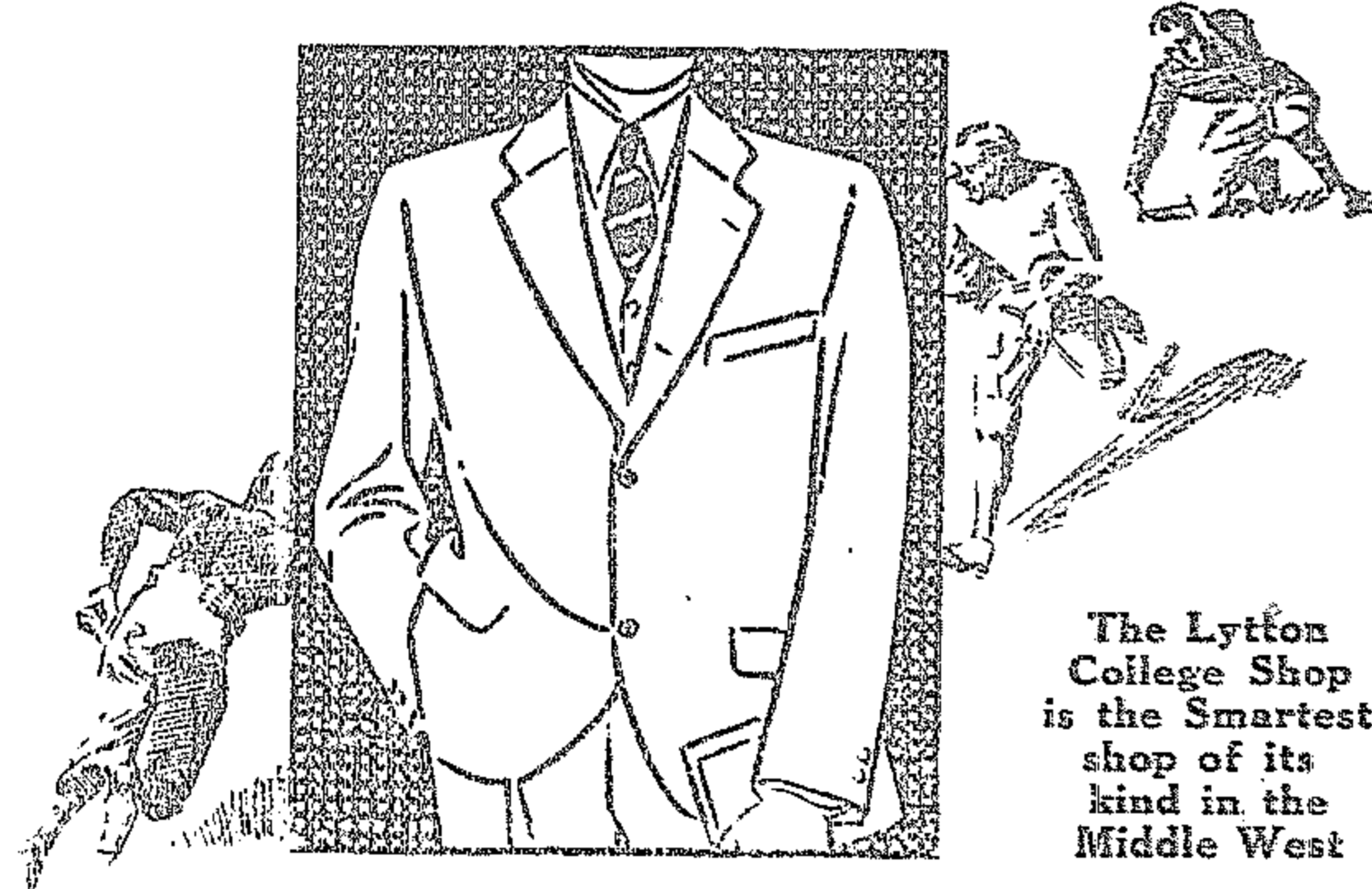
Walter Trognitz, '30, captain of the swimming team, has issued a call for several backstroke swimmers, as well as any other good natators. Freshmen are eligible for positions.

Former members who are back on the team are Stranch, Fillmer, McLean, McInerney, van der Velde, Stenpel and Brown.

Most of the meets for the 1929 season are to be traveling meets as per home to home agreement with our opponents and possibly trips to the Illinois and Drake Relays. Due to this fact alone it is expected that there will be plenty of stiff competition for births on the team.

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