



FRESHMEN MEET IN FIRST SOCIAL EVENT ON FRIDAY

New Lawson Y.M.C.A. Will Be Scene of Smoker

PROFESSORS TO SPEAK

Armour Institute's class of '35 is turning out as a body on next Friday night, March 11, for their first social event of the season. The long anticipated freshman smoker will at this time become a reality in a spacious room at the new Victor Lawson Memorial Y. M. C. A. at Dearborn street and Chicago avenue.

This new building is one of the most modernistic buildings in Chicago, and the novelty of the decorating is well worth seeing. Transportation by street car, bus, or the elevated, makes the place very easily accessible to all.

A wonderful opportunity for better acquaintance among the members of the class is afforded, and it is hoped that the smoker will serve this one of its purposes. Every freshman should leave his studies for this one night and get out for a good time with the rest of his fellow students.

New Features on Program

Many features will appear on the program. John J. Schommer, well liked professor and noted sportsman, will be on hand with one of his interesting informal talks accompanied by more of his famous jokes. Most of the class probably know Professor Wallace B. Amsbury, who will be there to recite a number of his delightfully novel poems. Professor Henry T. Heald will address the freshmen in his capacity as advisor to the class in charge of student affairs.

Syncopation will be furnished throughout the evening by a first class orchestra, which is none other than the Stresses and Strains. Popular tunes to be played will give the frosh a chance to put forth their best vocal talents and a cheer or two led by the class vice-president and cheer leader, E. Flanagan, will make the rafters of the Y. M. C. A. ring out.

A piece of comedy by E. Carlton and a couple of Armour Players is an added attraction. With John J. Ahern, the class president, as master of ceremonies, this program will be carried out in great style.

Cigars and cigarettes will be provided in plenty for those who smoke. The "eats" to be furnished consist of a delicious punch and a variety of delicacies.

Those men of the class who make up the social committee and who deserve credit for the elaborate plans are: G. Wheaton, chairman, L. Biegler, G. Collatz, C. Huppert, and H. Zibble. Tickets for the affair can be obtained from these men for the nominal sum of 25 cents.

It is hoped by Wheaton and the committee that all the freshmen will cooperate to make this annual affair a success, the best ever held under the auspices of a freshman class. The good time which is insured by the splendid program should in itself warrant the attendance of all.

Senior Class Votes On Amount of Dues

At a meeting of the senior class in the assembly hall last Friday morning at 11:30, it was decided that each man must pay thirty cents for dues. This is to cover the cost of the awards for the seniors' track team, which won the inter-class meet, and for the commencement tickets.

Thus far this year the class has been running on the surplus funds from last year. It was because of this that the voting was delayed as long, for the amount of money needed was uncertain.

NOTICE

Those interested in a class in direct current machinery and alternating current theory with laboratories, to be given for a period of eight weeks in the summer of 1932, kindly leave their names with Dean Penn. The tentative dates are June 13th to August 5th. Tuition depends on the number who enroll.

Chemicals Plan Unusual Smoker

March is slated to be a busy month for the members of the Armour Branch of the American Institute of Chemical Engineers, as that organization, under the leadership of President Stockman, has planned two full meetings and a "different" smoker.

On Friday, March 11, at 10:30, two representatives of the Peoples' Gas Company, Messrs. Beaumont and Pohlman both former Armour men, will project pictures on the W. K. silver screen in Science Hall. These pictures deal with the laying of the pipe line from Texas to Chicago. Following this, an open discussion will be held, during which time points brought out by the movie will be elaborated upon and questions of the students will be answered.

On the following Friday another meeting will be held, at which several students (yet to be selected) will give short talks on questions of interest.

Finally, the best for the last, the smoker! The date is March 24; place, Theta Xi House, 3305 Michigan; time, 8 P. M. In addition to the usual obnoxious weeds (cigarettes to you), the chemicals will set up and operate a roulette wheel, have cards, dice, crupiers, and all of the necessary paraphernalia usually found only in first class gambling dens.

Refreshments will finish off the evening's debauch.

A. X. S. INITIATION

Last Thursday, March 3, the following men were initiated into Alpha Chi Sigma, the professional chemical fraternity at Armour: K. C. Eberly, '34, R. W. Marty '34, D. J. Mullane '34, and R. W. Schurling '34.

On the following evening the members attended a banquet and theatre performance. They saw "As Husbands Go" at the Adelphi theatre.

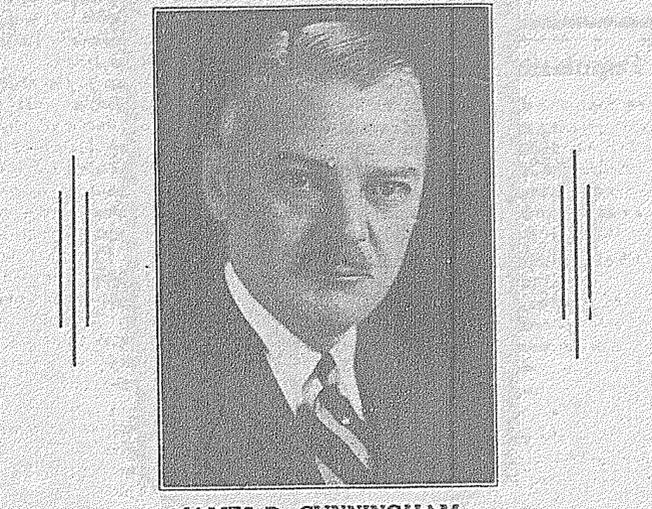
Reveal Names of Second Place Winners in Senior Class Ballot

Come and gone is the Cycle contest, that fierce struggle for supremacy in the four outstanding fields of personal attainment. Approximately one hundred twenty-five loyal seniors of Armour selected their leaders in popularity, athletic ability, intellect, and handsomeness last Tuesday.

It certainly must have been a day of great unrest and suspense for the men who felt themselves worthy and deserving of one of these distinguished honors. The worry, however, is not over for these gentlemen. Try as they will, they cannot learn their fates until the yearbook is within their grasp.

Even the News was refused knowledge of the outcome of the mystery election. Pleas for the sake of the school weekly were of no avail. Bribes could not move to words the loyal members of the Cycle staff. The names of the first choices seem to have been fairly swallowed up by this small group of yearbook workers with no chance of being revealed until the first part of May. Credit is due and must be given them for their secrecy.

But wait! Here is what the News reporter was able to get from Cycle Editor Schodde: "The contest was all that it was hoped to be. The



JAMES D. CUNNINGHAM

ANNOUNCEMENT TO ALUMNI

This issue of the *Armour Tech News* is being mailed to all alumni by the Board of Publications of the Institute. Trustees feel that alumni should have this privilege of keeping in touch with the activities of the promotional program as it is carried on by the Development Committee. Subsequent issues of the *News* which contain material on the promotional program will also be forwarded to alumni.

Regular issues of the *News*, from now until the end of the academic year, will feature a series of expository articles dealing with interesting details of the whole development plan. Alumni who wish to supplement the information which they have already received are invited to subscribe.

I. C. Johnson Selected For Junior Marshall

Irving C. Johnson was elected junior marshall Thursday morning in Science Hall at a class meeting of an hour's duration. In previous years this election has always consumed a period of several weeks.

The first motion to have the election immediately was carried, but was voted down on a recount. After a discussion about having a petition nomination, the motion was put in the form that the election should be held immediately by a sealed ballot. This motion was carried and so the voting started.

Of the six men nominated from the floor, R. W. Carlstrom and I. C. Johnson received the most votes. Johnson won on the next ballot.

The nominees were: I. C. Johnson, R. W. Carlstrom, E. E. Eberth, W. T. Dumser, W. A. McWilliams, and E. A. Runge.

President Joseph D. Fernbach presided over this meeting.

SENIORS TO CHECK CREDITS

A list of all men rated as senior students appears on the south bulletin board in the lobby of the main building. These men should report to the Deans' office not later than March 11th to check their credits.

New Cast Picked for Drama Club

After two weeks of casting, experimenting, and meditating, Professor Hendricks has finally selected the men to present the Dramatic Players' next production. The official announcement was made last Thursday that the actors will be: E. W. Carlton, C. C. Schultz, C. P. Kuffel, L. Gabriel, M. Berger, W. W. Davies, E. L. Curran, and T. F. Jones. These men were selected from the twenty comprising the club.

The play, a one act drama written by one of America's foremost playwrights, is to be given at the Musical Club Concert during Junior Week.

H. Monger, the president of the group, says that the production will be entirely different from the last one, but he refuses to divulge the name as yet.

Due to the success of the first play given by this group, the students are looking forward to some good entertainment.

CALENDAR

Tuesday, March 8
5:00 P. M. Orchestra Practice in Assembly Hall.

Wednesday, March 9
5:00 P. M. Stresses and Strains in Assembly Hall.

Thursday, March 10
5:00 P. M. Glee Club Practice in Assembly Hall.

Friday, March 11
10:30 A. M. A. I. Ch. E. Meeting in Science Hall.
10:30 A. M. W. S. E. Meeting in Assembly Hall.
8:00 P. M. Boxing - Armour vs. St. Viators at St. Viators.

Saturday, March 12
2:30 P. M. Track - tentative.
7:30 P. M. Swimming - Armour vs. Morton at Morton.

PLANS FOR DEVELOPMENT OF ARMOUR GAIN PUBLICITY AND STRENGTH IN NEW COMMITTEE

Announce Names of Men Who Will Launch Plan

Outline of Entire Plan Is Sent to All Alumni

J. D. CUNNINGHAM IS CHAIRMAN OF COMMITTEE

The Board of Trustees of Armour Institute has appointed a Development Committee to take charge of the promotional activity which the new development program involves, and to direct the installation at the Institute of the many improvements which the plan calls for. The Committee is composed of James D. Cunningham, chairman, Philip D. Armour, chairman of the Board of Trustees, Alfred S. Alschuler, Lester Armour, John J. Mitchell, and John J. Schommer.

Men Are Prominent

Mr. Cunningham is President of The Republic Flow Meters Company, and a former president of the Illinois Manufacturers' Association. As a prominent Chicago industrialist, a member of the Western Society of Engineers, and the American Society of Mechanical Engineers, he has a keen interest in engineering education, particularly as it relates to the Chicago area. He has been working with Trustees of the Institute for several years in their efforts to provide for its future development. He took an active part in the studies which serve as the foundation for the new development program, and much of its success may be attributed to his efforts.

Philip D. and Lester Armour are both members of the Board of Trustees. They are well known Chicago citizens, and grandsons of the Philip D. Armour who founded the Institute in 1892. During the last few years they have carried the responsibility of supporting the Institute, and they believe that the new development plan will be the means of securing its future as a permanent part of Chicago's educational and

(Continued on page 3)

CHOOSE OFFICERS OF PI TAU SIGMA; TO GIVE AWARDS

At a meeting held at 2:00 o'clock March 2 in the Tau Beta Pi rooms, Pi Tau Sigma, honorary mechanical engineering fraternity, elected the following officers for the present semester:

R. F. Waindle, president; J. S. McCall, vice-president; W. G. Buehne, rec. sec.; Alexander Bogot, corresp. sec.; A. J. Jungels, treas.; and E. H. Chun, cataloguer.

As has been the custom in the past, a Kent's Handbook will be presented to the highest ranking sophomore in the mechanical engineering department. The presentation, to help foster higher scholarship in the department, will be made at the opening of the next semester.

Awards Will be Given

To further stimulate interest in the mechanical engineering field, Pi Tau Sigma wishes to announce that awards will be made for the two best papers pertaining to mechanical engineering subjects which are presented by members of the freshman and sophomore mechanical engineering classes. Papers, 4000 words or over, should be presented to Professor Gebhardt before May 13, 1932. They are to be judged by the faculty of the mechanical department, the English department, and members of Pi Tau Sigma. Judgment will be based on subject matter, originality, presentation, and English. The English department will make further announcements regarding these awards.

The first step in the new development plan for Armour Institute of Technology was taken by the Development Committee last Friday noon in a meeting which marked the opening of the promotional program. During the week a pamphlet was mailed to alumni, apprising them of the general nature of the whole plan. As alumni become thoroughly acquainted with details of the plan, it will be publicized more and more widely. Other engineering schools, secondary schools, engineering and educational societies, foundations, and individuals who are interested in engineering education will learn how and why the plan has been made, how its operation will be worked out, and what it will mean to the Chicago industrial area and to engineering education generally.

Committees Begin Work

Organization work to run parallel to this publicity activity has been planned in full, and members of the Development Committee have started working towards definite objectives. A series of conferences with industrial executives, professional engineers, and architects is being arranged by the Committee. The administration of the Institute will be represented in these conferences, and the two groups will work together to translate the needs of engineering and industry in terms of curriculum and teaching methods.

The Board of Trustees of the new educational structure, which embraces two new institutions to be affiliated with the college of science and engineering, will be larger than the Board has been in the past, and may eventually have as many as forty members. The Development Committee has drawn up a list of men from which the selection of additions to the Board will be made. Several of these men have already indicated their enthusiasm for the development program, and announcement of new memberships is expected shortly.

New Ideas to be Tested

Many of the changes and improvements which the entire development plan calls for may be introduced progressively as the promotional program goes on.

"The usual procedure of raising funds first for untested expansion can be reversed", said Mr. Cunningham, chairman of the Development Committee, after Friday's meeting. "Improvement will be introduced on a test basis, and when a new policy or method is demonstrably sound, professional and industrial leaders, who will have been active in trying and proving its soundness, will assist in providing the funds for its installation."

The promotional program, by its publicity and organization activity, will thus prepare the way for the permanent steps of the development plan. And as each of these steps is taken, it will offer in itself new promotional possibilities, so that the interest and attention which may be attracted will increase constantly as the plan is worked out.

TAYLOR TO ADDRESS W. S. E.

Mr. Eugene S. Taylor, a member of the Chicago Plan Commission, will be the principal speaker at a meeting of the W. S. E. to be held this Friday at 10:30 in the Assembly Hall. He will discuss the various duties and functions of this commission.

Since this is going to be an open meeting, a large attendance is anticipated.

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Knowledge is more than equivalent to force.—
Johnson.

Armour's Development Plan

At the present time the Armour Institute of Technology is beginning a drive that will carry her from her prominent position in the field of engineering education to an even greater place of eminence in the engineer's world. In this age of science with its gigantic developments in every direction of human endeavor it is only fitting that a great school of engineering should keep pace with progress.

At a time when the majority of schools are considering shorter terms and, in general, policies of retrenchment, it is the privilege of our school to plan for the needs of the future. Taking for its fundamental theme the closer alliance between science and industry, the board of trustees has, after months of thoroughgoing research, announced a comprehensive plan for expansion.

But what part have we, the men of Armour, to play in this program? It will be our privilege to show that we have the loyalty and enthusiasm of worthy Armour men by aiding this great cause in every possible way. This plan is going to succeed through the co-operative efforts of the students, faculty, and alumni of Armour Institute.

Imagine the satisfaction each of us will feel, when, standing on our campus and admiring our new buildings, we are able to say, "I helped make these buildings possible." In addition to the pleasure we may be able to get out of the development of our school, those with a more practical slant on things, those lacking in sentiment, will be able to see clearly the benefits that will accrue to them through the added prestige that will attach itself to the name of our institution of learning.

The exact mechanics of the new development plan are well-founded. They comprise a thorough set of sensible plans that cannot fail of completion. After a short preliminary campaign that is well begun, the forces of the Institute will be united in one great, concerted effort that will assure a new school, campus, and curricula in a period of time whose brevity will seem nothing short of miraculous.

The plan has been evolved after months of diligent educational study and research. It does not consist of a rough estimate of the improvements to be made; rather it states, in writing, every minute detail of the whole procedure. In subsequent issues of the *Armour Tech News* it will be our privilege to reveal details of the progress that is being made. As a whole, the staff of the *News* is working in cooperation with the Development Committee and is able to release important news as it "breaks".

"The Slipstick"

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

Senior Popularity Vote

It has been rumored that Joe Dickey sought to buy out the ballots for most popular man. At any rate he may win out if Joe Cornwell does not take the honors. No race for most intellectual man. If you want to know him see us. We do not mean Joe Zilch. (But how do you know that we do not mean his brother Otto.)

Co-ed: "Tell me, Oswald, if it's not too personal—what is an atom?"

Joe Cavanaugh and Joe Davis seem to be having a contest to determine which can fashion the best slouch hat. A wrench was thrown in the works when Cavanaugh was seen with a half-way decent top piece.

Joe Sorensen has conclusively proved himself to be the best fire-hose holder and nozzle-aimer in the junior fire protect gang. Axe him about it.

"Yes, the wife is glad that the experts have advocated the eating of liver."
"Why is that?"
"Now she doesn't have to tell the butcher it's for the cat."

Joe Schinke has evaded all questioning about his whereabouts on Tuesday evenings for the past five months. The investigation is assuming huge proportions, and good men are on the trail.

Joe Bodinson, who has connections with the Underwriter's Labs, has shown his versatility at refilling fire extinguishers with flour and water.

William Fire Protect and his brother Jack Fire Protect are at it again, according to last week's *News*. Take a good look, men, in this week's issue to see if they have not crashed into print again.

The senior electricals had a chance to see these junior fireos as work (???) last week at the Labs. We hain't mentionin' no names but eny guy wot wears yella' coveralls and then tops off the ensemble with black and white summer shoes must be some guy.

If you should hear of a street car being wrecked, run there as quickly as possible. The senior civils will probably be there en masse, salvaging the window stripping. These rubber strips make excellent ammunition for shooting at brother civils who recite at the board. For further information see Joe Hornberger, Joe Eskonen, or Joe Hromada.

MISS REPRESENT

State Manager: "Can you dance?"
Applicant: "No, sir."
S. M.: "Can you sing?"
App.: "No, sir."
S. M.: "Do you do a monologue or specialty?"
App.: "No, sir."
S. M.: "Then what in the devil did you come here for?"
App.: "My looks."
S. M.: "Well, you can hunt around for them a while, but I don't think you'll find them here."

SEEING IS BELIEVING

Drunk (to movie actor): I shee you've gotcher your double with you.

The "Slip Stick Suggestion Department" turns its attention this week to those who drive their own cars. The advice is:—Don't be too hard on "Truck Drivers"; they're hard enough already.

Stubs: "I hear you were upset by the bank failure."
Dubbs: "I should say so. I completely lost my balance."

TO A CO-ED

To those who talk and talk
This adage should appeal;
The steam that blows the whistle
Never turns the wheel.

When the civils go on this trip to Gary today, Joe Byanskas intends to make a special trip to Michigan City. Why? We ask, just why?

Joe Dickey has opened a complete laboratory for radio investigations. He has of late been concentrating on a galena crystal amplifier system, with push-shove transformers in delta-star. His fruitful research also discloses low tuned grid circuit impedance.

Advice to Manager Trauten for the coming season: If you find a member of the team who is liable to get caught in a sand trap, tell him to take a rubber snake along. If he does have trouble he can hold it up to the field and say that he finally has killed it.

Joe Korrell raska ace high as a target for eraser-throwers. He is in perfect form, especially in radio.

And if you like this put-em-on-the-pan idea let's have the lowdown on some of the men. We ain't skeered to print it.

O. T. B.

The Bongineer.

MOTOR CONTROL EXHIBIT VISITED BY ELECTRICALS

In spite of the icy weather last Tuesday night, the junior electrical engineering class, under the supervision of Professor Moreton, visited the Allen-Bradley exhibit of motor controls in the Engineering Building, located on Wacker Drive.

The most spectacular of the three hundred devices on display was a photo-electric cell so sensitive that it was actuated by the shadow of a passing bullet. This shadow cut off, for one-thirty-thousandth of a second, the light beam concentrated on the cell. In this length of time it allowed a current to flow that instantly operated a tripping device at the target, removing the latter from the path of the bullet. This despite the fact that the muzzle velocity of the bullet was 1100 feet per second, and the distance to the target was thirty feet!

Besides seeing the controls operate, the men were given an hour's lecture on how and why motor controls came to be. The first control was the simple knifeswitch. This, however, soon proved to be inadequate, and so the development began.

At first the fool-proof and automatic qualities were not very important because electricians operated the units; but after unskilled laborers began operating the controls on various machines, these two points had to be stressed. Now some of the units do not need an operator for they go off automatically when certain conditions, such as an overload, come about.

Professor Moreton and fourteen of the electricals met in the Polly Grill at six o'clock and had dinner before they joined the rest of the men.

It was the opinion of all that such get-togethers should be more

Student Enrollment At Armour Now 798

The final registration statistics just released by the dean's office show a total of 798 students enrolled in the Institute for the present semester. The freshman class showed, as was to be expected, the greatest decrease in enrollment. Out of 275 freshmen enrolled in the various departments last September, only 234 have returned.

The present enrollment is as follows:

| | Sr. | Jr. | So. | Fr. | Sp. | Tot. |
|----------|-----|-----|-----|-----|-----|------|
| M. E. | 33 | 33 | 52 | 46 | 5 | 169 |
| E. E. | 31 | 33 | 43 | 61 | 3 | 171 |
| C. E. | 34 | 24 | 55 | 45 | 1 | 159 |
| Ch. E. | 15 | 24 | 26 | 32 | 0 | 97 |
| F. P. E. | 24 | 26 | 18 | 19 | 1 | 88 |
| Arch. | 16 | 32 | 33 | 31 | 2 | 114 |
| Total | 153 | 172 | 227 | 234 | 12 | 798 |

Student Sails For Italy To Make Radios

Hartman Cannon, a former student at Armour, sailed for Italy, February 25.

Mr. Cannon came to Armour from Morgan Park in 1924, but due to financial difficulties, he was forced to leave school after two years' study. He was registered in the department of electrical engineering and was very much interested in radio development. He followed up this line after leaving school, first working for Stewart Warner, and later for the Wells Gardner firm.

Mr. Cannon's purpose in going to Italy is to set up an experimental laboratory.

frequent. Professor Moreton expressed his approval of the idea, for he believes that the social side of the man should be developed as well as the scholastic side. All that is necessary now is someone to furnish the initiative.

ARX NEWS

Cracks in the Vatican, which is 400 years old, have been present for many years though no attention has been paid to them until the present time when there have been some collapses in the structure. Thin strips of glass were cemented over various cracks to determine if there was any tendency to spread. Within the past few weeks several of these pieces of glass have broken, giving warning that the old masonry is settling.

Radio city's 70 story building will contain 76 elevators, the largest number ever installed in one building.

We learned recently of the death of Mr. John Christopher, father of Mrs. Nancy Sanders of the Burnham Library, at his home in Morrisonville, Illinois on February 25th and wish to extend our deepest sympathy to her. Mr. Christopher was connected with the Art Institute at one time.

Mr. Anton Dubsky, father of Frank Dubsky, junior Arch., passed away at his home at 6154 South California Avenue on February 29th. The funeral was March 3rd. The Architectural department extends its sympathy to Frank.

Palma, Price and Sugarman joined together to finish Frank's project "A Commemorative Plaza".

The most important problem of the sophomore year was given last Saturday. It was a Beaux-Arts-Institute of Design Esquisse.

The nine hour problem was taken with the juniors from one o'clock in the afternoon until ten in the evening. The students were prohibited from using any references such as books or pamphlets.



—and that's what the statistician does for industry

Definite knowledge of "where we are" and "what lies ahead" is as vital in business as in flying. For this expert navigating, the Bell System has long relied upon statisticians.

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BELL SYSTEM



A NATION-WIDE SYSTEM OF INTER-CONNECTING TELEPHONES

DR. DAVIS FAVORS GENERAL COURSE IN FUNDAMENTALS

(Mr. Davis was one of a number of prominent educators and industrialists consulted during the preparation of the new Armour Plan. In the following interview he gives his ideas on certain phases of engineering education.)

Dr. Davis opened his discussion with the consideration of two facts. The first deals with the amount and variety of specialization provided for in the multiplicity of curricula found in the catalogues of our engineering schools.

"Is it possible for any freshman, however sophisticated, to know in which of the highly specialized fields of engineering his career is going to fall, or to which of them his natural aptitudes are most appropriate, or even in which of them he can hope to find in his mature years most personal satisfaction?"

Sights Career Choosing

According to Doctor Davis, even if such a freshman can be imagined to have selected unerringly his actual future career, it is by no means certain that a curriculum designed with that particular career in view is in fact the best undergraduate training, even for that career, to say nothing of being the best for the man as a whole.

The second fact which Dr. Davis considers is the frequency with which one finds an apparent contrast between the nature of the field in which an academically trained engineer has, in fact, won distinction, and the label of the training that preceded and, we may hope, prepared the way for his success.

Men Need Fundamentals

"Among my own acquaintances there is, for example, a man who took his degree in electrical engineering and then proceeded to win for himself a reputation in a line of work that lies in the borderland between chemical engineering and metallurgy, with scarcely a trace of electricity, or even of electro-chemistry in the whole picture. On the other hand, one of the most sagacious of practicing mechanical engineers, and a much sought consultant in that branch of, presumably, civil engineering which deals with the estimation and development of water powers, had an academic training which was supposed to produce a chemist."

Dr. Davis believes that almost any curriculum in fundamental engineering will suffice to start almost any competent man on the road to success in almost any field of engineering, provided the curriculum is thoroughly grounded on fundamental principles, and that its spirit throughout is characterized by sincerity of mind.

Stresses Basic Subjects

According to Dr. Davis, a certain great industry makes it an invariable rule never to use a newly employed graduate in a job in the graduate's own field. The reason given is that by this means the young man is free to think for himself. His mind is kept on edge and there is an irresistible pressure on him to work eagerly and hard, to keep on learning, to realize that his real education is not behind him, but ahead, not finished, but scarcely begun.

Dr. Davis believes in one curriculum with emphasis on basic disciplines that underlie all engineering careers. He believes in plenty of mathematics, physics, chemistry and mechanics in all its branches.

Self-expression Needed

He would emphasize equally the fundamental sciences and fundamental engineering subjects and the fundamental humanities—history and language, psychology, philosophy and economics, and even art. He would stress the humanistic side of engineering in every available way.

He believes that engineers without the art of self-expression find their usefulness greatly curtailed. He believes many engineers are hopelessly inarticulate and would compensate for this by every course which could possibly assist in the good use of the written and spoken word.

Men in Industry Discuss New Plan

Many educational leaders, industrial executives, professional engineers, and architects who were consulted during the survey which preceded announcement of the development program gave valuable assistance to Trustees of the Institute in formulating the new Armour Plan. Their opinions were carefully considered throughout, and the plan recognizes the precepts laid down in their statements.

Following are brief quotations from interviews with a few of these men:

Dr. William E. Wickenden, (President, Case School of Applied Science, Cleveland, Ohio): "The four-year undergraduate engineering curriculum should be broader, more fundamental, and more generally educative than it is in most engineering schools today. Greater opportunity should be given to the best graduates of a four year curriculum to do further work in science and professional engineering subjects in a graduate school."

Briton I. Budd (President, Public Service Company of Northern Illinois): "In my opinion, a relatively small percent of graduate engineers in the past have advanced to executive positions, due primarily to lack of a broad, liberal educational schooling. Consequently, the tendency of such a graduate has been to develop his experience along rather narrow lines, and to lack broad business vision."

Dr. Edward R. Weidlein, (Director, Mellon Institute of Industrial Research, Pittsburgh, Pa.): "Mellon Institute does not have and does not need one dollar of endowment. It is selling the services of science to industry every step of the way; industry pays the Institute for results, and all work is done at cost. Your hope for results rests with the purpose and election of men; buildings are secondary." (Dr. Weidlein's remarks, of course, apply to the proposed industrial research Institute for Armour.)

Samuel Insull, (Capitalist): "Engineering educational methods frequently fall short of expectations because the engineering college of the past has not had very effective means of translating the needs of industry in terms of curriculum and teaching methods. The new plan fills that gap completely."

PROMINENT MEN ON COMMITTEES

(Continued from page 1)

industrial life, with which the Armour family has always been identified.

Alfred S. Alschuler graduated from Armour Institute in 1899, and received his master's degree in 1904. He is one of Chicago's prominent architects, and has always been actively interested in Armour alumni affairs. He also participated in the preliminary survey of the development program, and is a member of the Board of Trustees. John J. Mitchell, another Trustee, is a director of several large industrial corporations in Chicago.

John J. Schommer has been on the faculty of Armour Institute since 1912. He is now Athletic Director, President of the Alumni Association, and a member of the Board of Trustees. He has been made the manager of all publicity and promotional activity at the Institute for the duration of the development program. His years of experience and his wide acquaintance with college men and officials throughout the country will enable him to do an invaluable service for Armour in this capacity.

PROFESSOR RETURNS

Professor Thompson, of the physics department, returned to school last Friday, February 4, after a two day illness.

"There are surgeons and obstetricians and pediatricians and psychiatrists and orthopedists and specialists in the nose and throat and even a few good old fashioned family doctors, but every good medical school gives them all the same fundamental training. The same should be true of our engineering schools."

HALPERIN SPEAKS BEFORE A. I. E. E. ON CABLE SERVICE

On Friday, March 4 of last week the A. I. E. E. members were again given the privilege of listening to Mr. Herman Halperin of the Commonwealth Edison Company. His subject, "Underground Cables," was thoroughly enjoyed by those present.

In underground cables, impregnated paper insulation, because of its cheapness and its high maximum operating temperature, is most widely used; in the three conductor cable the maximum operating potential is 33 KV. Oil filled cables of the same type can be used for potentials up to 132 KV. This is due to the perfect impregnation of the latter cable. The expansion and contraction of the oil in the cable is taken care of by ingenious diaphragm arrangements at various points along the line, and at each end; this also keeps the oil under a positive pressure. In an ordinary cable the pressure varies from positive to partial vacuum with changing conditions.

During the past ten years impregnating material have changed from heavy resinous compounds to comparatively light oils.

Dielectric losses at maximum operating temperatures have been decreased sixty per cent.

Mr. Halperin summed up the high points of his discussion and closed by saying that he saw no reason why the improvements in the next decade on cables should not be fully comparable to those of the last

FRATERNITY NOTES

PHI KAPPA SIGMA

Should one visit the house any time except during dinner and study hours, he would hear a tapping noise similar to that of a slow, muffled machine gun. Who! Don't get excited. It is only the boys at their physical culture exercises, batting a ball back and forth on our new ping pong table.

After a week's illness, Ron Dobson has returned to school to resume the role of student.

Among the alumni who visited the house last week was the one and only, bright faced, Don William. Although he arrived just in time for dinner he still ranks A-1 with us.

SIGMA KAPPA DELTA

Sigma Kappa Delta announces the pledging of A. Kulpak, M. E. '35.

A radio dance was enjoyed at the house by the members and many alumni on Saturday evening, March 5th.

KAPPA DELTA EPSILON

The fraternity takes pleasure in announcing the pledging of L. Marcus, C. E., '34.

Hell Week starts March 7th and the initiation of the pledges will take

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place during the 11th to the 13th of the month.

J. Rosenfield has been appointed Social Chairman by the president of the chapter. The chairman and his committee are busy making plans for the pledge party which will be held on March 11th.

H. Goldman recently received the emblem denoting having made the highest average in the Freshman class from the A. I. Ch. E.

DELTA TAU DELTA

The 37th annual Western Division Conference of the Fraternity was held at Gamma Kappa Chapter, University of Missouri, from February 26th to 29th.

All twenty-two chapters of the Western Division were represented and "Murph" Gibian served as our delegate.

A Radio Dance will be held at the House on the evening of Saturday, March 12.

BETA PSI

We extend a belated welcome to our newly initiated Brother, Edward Staron, M. E., '34. Due to an oversight, his name was omitted from

the last issue of the News.

Brother Walter Stark, former National President of Beta Psi, was a visitor at the Chapter house over the week-end. He gave an inspiring address to the new members.

THETA XI

A Radio Dance was held at the Chapter house on Saturday evening, March 5. Many of the alumni were present and all who attended report a good time.

Brothers Harry Sheppelman, Armour, ex-'31, and Walter Mackey, a graduate of Wisconsin, were visitors at the house last week.

Pledge Brother Landis is again back in school after being ill at the Chicago Memorial hospital.

PHI PI PHI

On Monday evening, February 29, the installation of the officers for the year 1932-33 was held. The following is a list of the new officers:

C. R. Mitchell, President.
J. L. Lynch, Vice-President.
R. E. Kaup, Treasurer.
J. J. MacLennan, Secretary.
The annual Formal Dinner Dance will take place March 19, at the St. Clair hotel.

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Pass your verdict on Chesterfield's Radio Program, too! Nat Shilkret's 35-piece Orchestra with Alex Gray, soloist, are on the Columbia Network every night except Sunday, at 10:30 Eastern Standard Time.

THEY'RE Milder... THEY'RE Pure... THEY TASTE BETTER... *They Satisfy*

TECH TRACKSTERS LOSE TO NORTH CENTRAL COLLEGE

Naperville Squad Hands Armour First Defeat of Season

LOSE RELAY ON SLIP

Although they fought hard to overcome the large lead obtained by the North Central team early in the meet, Armour Techs tracksters could not outpoint their opponents sufficiently to bring the scores close together.

Had they fared as well in the opening track events as they did in the field events, in comparison to previous meets of this season, the score would have undoubtedly been reversed. Several close races and the disqualification of Nelson in the high hurdles was enough to discourage any team, but the fellows showed true Armour fight in the field events. As a result they displayed more ability in these events than in any previous meet this season.

Armour Leads After First Event

The meet opened with the one mile run, and Sademan had the distinction of putting Armour ahead for the only time in the entire meet. He led the field throughout the race, and came in a good distance ahead of his opponents, North Central taking second and third places. Roberts made a wonderful sprint in an attempt to overtake two North Central men who led the field in the 440 yard run, and failed to take second place by a margin which was too small to attempt classification.

Tech Strong in Field Events

In the field events, Jens and Frateschi took second and third in the shot put, Jens toss being less than two inches short of the winners distance. Nelson and Setterburg then got together in the high jump, Nelson winning both events, while Setterburg took third in the latter, and tied for third in the former.

The relay climaxed the Techs uphill fight and was a fitting finale for an exciting afternoon. In the third transfer the Armour baton was dropped, and although considerable distance was lost, Nelson set the crowd into hysterics by regaining practically the entire distance, losing the event by less than one foot.

There will be no meet next Saturday due to the conference meets being held at the U. of C. field house.

SUMMARIES

Mile Run—Won by Sademan, Armour; second, Lemke, North Central; third, Attig, North Central. Time—4:52.

440 Yd. Dash—Won by Compton, North Central; second, Quantock, North Central; third, Roberts, Armour. Time—55.7 sec.

60 Yd. High Hurdles—Won by Shaffer, North Central; second, Snavelly, North Central; third, Fox, Armour. Time—8.2 sec.

60 Yd. Dash (Final Heat)—Won by Hinders, North Central; second, Kreuzkamp, Armour; third, Beckman, North Central. Time—6.6 sec.

880 Yd. Run—Won by Lind, Armour; second, Compton, North Central; third, Sademan, Armour. Time—2:09.5.

2 Mile Run—Won by Hornbach, North Central; second, Tiensuu, Armour; third, Richter, Armour. Time—11:16.

60 Yd. Low Hurdles—Won by Nelson, Armour; second, Shaffer, North Central; third, Snavelly, North Central. Time—7.3 sec.

Pole Vault—Won by Hinders, North Central; second, Nolts, North Central; third, Van Dyke, Armour. Height—10 ft. 9 in.

Shot Put—Won by Hinders, North Central; second, Jens, Armour; third, Frateschi, Armour. Distance—38 ft. 6 1/2 in.

High Jump—Won by Nelson, Armour; second, Heinhorst, North Central; tied for third, Setterburg, Armour, and Ocken, North Central. Height—5 ft. 8 in.

Broad Jump—Won by Nelson, Armour; second, Hinders, North Central; third, Setterburg, Armour. Distance—21 ft. 3 in.

Relay—Won by North Central, (Quantock, Frank, Gomerisfelder, Beckman); second, Armour (Hirsch, Lind, Jens, Nelson).

TECH SHORTS

Cage Captain

George Beemsterboer, junior civil, was unanimously elected captain of next year's basketball squad.

Last year he scored 52 points and was fourth in the team totals. This season he advanced to third position with a total of 63 points.

George led the team in free throws with a total of seventeen, and will ably lead next year's team to another successful record.

Civils Lead Again

This is the third straight year that a civil has been elected captain of the basketball team. Robin and Rossing held the position in previous years.

Six of the eight men receiving major basketball awards were also members of the civil department.

Twenty-two men are out for Tech's baseball battery, fifteen pitchers and seven catchers. Armour should have a good chance for the Conference championship if all these men keep on developing.

Cheer Leader

According to the latest rumors floating around the campus, the man who will be appointed cheer leader is O. T. Barnett, junior chemical.

Joe Zilch seems to be the most popular man in the senior class, according to the recent elections.

Armour's swimmers now have four victories and two defeats to their credit. Last year, the team ended with two victories, two defeats, and one tie.

A final notice is hereby given to juniors to turn in their application to Coach Krafft for the position of assistant baseball manager.

Tech's boxers have also come through with their list of victories, having won three meets, while losing one, and tying one.

Armour's tracksters had a hard meet last Saturday at Naperville, if pre meets have any indications of strength. Two weeks ago, North Central had defeated the strong Loyola team, 53-51, and were raring to defeat the engineers. Final results of the meet are in another column.

Nelson Again

George Nelson now has a total of 61 1/2 points to his credit in Armour's first three track meets. He has won a total of 12 first places, and has ran anchor man on two of Tech's winning relay teams.

Armour's track team is classed as a "one man track team" in the colleges of the Middle West. This is absolutely untrue because there are 54 men competing for positions on the team.

Next Saturday, the track team will be out for their fourth seasonal victory at the new University of Chicago fieldhouse. Morton, Sears "Y", and Chicago Normal will probably be the competing teams.

Tiensuu, freshman distance man on the track team, won first place in the two mile run at the Sears "Y" meet in 11:37. This is very good time for a total of 54 laps.

Elmer Sademan and Captain Chuck Jens won the other two firsts for Tech at this meet, the former in the mile run, and the latter in his specialty, the shot put.

Coach Stagg announced that a track meet will be held at Bradley Tech, Peoria, on Saturday during Junior Week. All men will be allowed to go who do not stay out until the wee hours of the morning because of the Junior formal.

The Armour Relays will be one of the largest indoor meets for universities and colleges in the Middle West. This year it will take the place of the annual Illinois relays held at Champaign.

—H. P. R.

Philatelic Society Has Election of Officers

Officers were elected formally by the Armour Tech Philatelic Society at a meeting held Monday, February 29, in the electrical lecture room. E. W. Carlton was elected president, C. E. Hillman vice-president, E. A. Svoboda secretary, J. L. Brenner treasurer, and H. J. Zibble librarian. Following the election, the president appointed J. Bard as exchange manager, M. J. Erisman chairman of the membership committee, and C. Masure as "new issues" reporter.

The duties of the librarian, exchange manager, and new issues reporter are interesting. The librarian will keep the library of the club, which has been established in the main library of the Institute, in good order; the exchange manager will begin the task of building up an exchange system whereby the members may buy, sell, or trade stamps outside of school; and the new issues reporter will give news of coming issues of stamps at every meeting of the club.

The next regular meeting of the Armour Tech Philatelic Society will be held on Monday, March 14, in the electrical lecture room at 5 o'clock. A talk on the stamps of Saar will be given at this time.

Those who collect stamps or who are interested in them in any other way are cordially invited to attend this meeting.

Basketball Team Elects Captain

Members of the varsity basketball team unanimously elected George Beemsterboer, veteran center, to captain the Armour Tech basketball team for the 1932-33 season. The election was held at a meeting in Room A, Main Building, last Wednesday.

After a successful season Coach Krafft gathered his boys together to personally congratulate the team on its fine showing and splendid fighting spirit which was evident in the closing moments of the recent games. The work of the past season and plans for the future were also discussed.

When the motion was raised to elect a new captain to fill the place of Capt. Rossing, who is one of four members graduating this June, Beemsterboer was unanimously and heartily elected by his teammates.

Because of their performances on the floor, the following have won sweaters and major "A's": Captain Rossing, Robin, Beemsterboer, Christoph, Setterberg, Ilg, Carlson, and Rummel.

Captain-elect Beemsterboer, after the meeting, said that he felt confident that the old "yellow and black" would be strongly represented next season.

Spring Baseball Practice Starts

Despite irregular weather conditions in Chicago, the baseball season has come to stay at Armour. Practice for infielders and outfielders has been scheduled to start on March 15. The pitchers and catchers have been working out for the past month. Twenty-two prospects for these positions are out for practice at present.

Because of the large squad expected to come out for fielding practice, there will be two shifts, one from four to five o'clock, and the other from five to six o'clock. Work will continue in the gym until weather permits and until Ogden field has been put into shape.

A call has also been issued for candidates for the assistant managership of the baseball team. Applications for this position should be given to Coach Krafft before March 15.

Although it is too early to make any formal predictions, in view of the fact that a large squad will be out from which to pick the team, a successful season can be expected.

Tech Boxers to Meet St. Viator on Friday

St. Viator will provide the opposition at the next match which the Armour Tech boxers will take part in. This match will be held in Kankakee on Friday evening, March 11.

Two weeks ago, Armour and St. Viator fought in the Tech gym. The home pugilists succeeded in winning four of the five bouts, thus giving Armour the decision, and the fighters will attempt to repeat this success.

It seems that these bouts will be more furious than those held here. The St. Viator team does not wish to suffer defeat at Armour's hands again and our men want to preserve their excellent records.

To date, the team has won three of its five matches, tied another, and lost one. It has defeated the 12th Field Artillery, Valparaiso and St. Viator teams. The South Chicago Y. M. C. A. tied Armour, 3 to 3 in their first match.

With less than half the season ahead of them, the team has already made a good showing. It seems that a record will be made, as two of the remaining three matches are with teams that Armour has defeated.

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