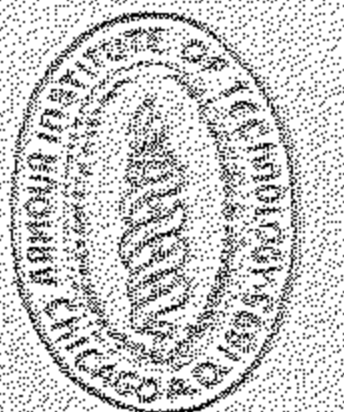




EXPECT RECORDS TO FALL AT THE ARMOUR RELAYS

Forty Colleges Invited To Attend Fourth Annual Meet

ADMIT STUDENTS FREE

On Saturday, April 2, approximately forty university and college teams will compete in the annual Armour Tech Relays at the new U. of C. fieldhouse for the unofficial track supremacy of the Middle West.

This meet will undoubtedly be the season's largest aggregation of track teams in this section of the country, and due to the large number of athletes expected to compete, keen competition is naturally predicted. The meet will not only include individual events as in previous Armour Invitational meets, but will also feature relay events for both colleges and universities.

Big Ten Schools Will Compete

Professor John J. Schommer, director of athletics at Armour, states that he is practically certain that all the Big Ten schools will be represented at the meet, as the coaches of those universities have personally assured him of the entering of their respective teams. Already, twenty schools have accepted the invitation to compete, and the others are expected to answer soon.

Commissioner John L. Griffith has consented to act as official referee and starter, and Ted Canty will be the announcer. Professor Schommer is arranging the program.

Medals for Winners

Gold, silver, gold-bronze and bronze medals will be awarded to the winners of the first four places, respectively, in the individual events. Banners will be given to the teams winning relay events in both the college and university divisions. Since the meet will be held under very fortunate, if not ideal conditions, meet records of previous years and conference records are not expected to withstand the assaults of crack trackmen from all the schools. The new U. of C. fieldhouse has an eight lap track and a 70 yard straight-away, which will provide the runners sufficient opportunity for fair competition and fast time.

Student Admission Free

Although the public will be charged a nominal entrance fee, students of Armour Tech and of the University of Chicago will be admitted free of charge. The surplus remaining above the necessary expenses of the meet will be donated to the Olympic fund, to help defray the expenses of the American Olympic team.

Order of Events

Afternoon

- 2:30 Meeting of track coaches and managers at the office of Bartlett Gymnasium.
- 3:30 Preliminaries: 70 yard dash.
- 3:45 Preliminaries: 70 yard high hurdles.
- 4:00 Preliminaries: 70 yard low hurdles.
- 4:15 Preliminaries: 880 yard relays (Six teams to qualify for finals).

Evening

- 7:30 Semi-finals: 70 yard dash.
- 7:30 Pole vault.
- 7:30 High jump.
- 7:40 University 2 mile relay.
- 7:50 Finals: 70 yard dash.
- 8:00 College 2 mile relay.
- 8:00 Shot put.
- 8:10 440 yard run (First race.)
- 8:15 440 yard run (Second race.)
- 8:20 1 mile run.
- 8:30 College 880 yard relay.
- 8:30 Broad jump.
- 8:40 University medley relay.
- 8:55 Finals: 70 yard high hurdles.
- 9:05 880 yard run.
- 9:15 College 1 mile relay.
- 9:25 Finals: 70 yard low hurdles.
- 9:35 University 1 mile relay.

News Contest on for Cheer Leader

Tryouts for the position of school cheer leader are to be sponsored by the *Armour Tech News* Thursday, March 17, at 5 p. m. in the gymnasium. This position is open to members of all classes.

The *News* has been authorized by S. M. Lind, president of the A. T. A. A., to conduct the trials in recognition of the campaign of the paper to develop a constructive school spirit at Armour.

A committee which is yet to be selected will be present Thursday evening in the gym to judge the candidates on the basis of the ability that each displays. Each candidate will be allowed to lead two cheers. Copies of the *Armour* cheers may be secured in the dean's office from Professor Heald.

Will Have Uniforms

Appropriate uniforms will be decided upon by the A. T. A. A. when the candidates show sufficient ability to warrant such attire. Also, when their work appears deserving of letters, the A. T. A. A. will act upon this matter.

The leaders will function at all athletic contests where organized cheering is desirable. The recent admission of Armour into the Northern Intercollegiate Conference in baseball competition has helped stimulate interest which the cheer leaders can aid in maintaining.

Sportsmanship Leaders

The cheer leader, besides being a necessary part of collegiate scenery, has a responsibility which he must not shirk. He is responsible for the sportsmanship of his school's supporters, and he is the official representative of the partisan spectators. Nevertheless, his principle duty is to lead cheers, and it is in this field that he must be particularly adept.

These tryouts were secured and are being sponsored by the *Armour Tech News* as a part of its program to stimulate and foster a constructive school spirit, worthy of the institute. Any further details concerning the selection, responsibility, or duties of the cheer leader may be obtained from O. T. Barnett, editor of the *News*.

J. Taylor to Speak at Student Assembly

Beams of light that suddenly begin to make speeches, sing songs, and play brass bands, are but the luminous symbols of the fast-dawning electrical world which Mr. John Bellamy Taylor, consulting engineer of the General Electric Company, treats of in his talk on "Audible Light" which he will deliver in the Assembly Hall, March 17, 10:30 A. M., before the student body of Armour Institute.

Mr. Taylor deals with only one type of modern scientific phenomena, that whereby light is translated into magnified sound. His dominant hobby has long been acoustics, and he has done important work on the co-ordination of the telephone systems with power transmission lines.

One of the various experiments he will discuss, deals with the photo-electric tube, or "eye" tube, which, on coming in contact with light, sets up a feeble current within itself. This current, amplified by vacuum tubes, is converted to sound waves, and the sound issues from a loud speaker. Different intensities of light have a varied effect on the photo-electric tube causing it to roar loudly, to purr like a gigantic cat, or to screech like a siren.

He will also speak on other experiments which are equally as interesting as the one described. The real significance of the talk is that it reveals a glimpse of the kind of a world which scientists are shaping with transcendent skill, that all-electrical world in which electricity, provided with proper tools, will do a multitude of things for man.

PROMOTIONAL ASSEMBLY

Next Monday, March 21, there will be a meeting in the Assembly Hall of the entire student body and faculty at 9:30. The purpose of this meeting will be to acquaint the students and faculty members of the newest developments in the campaign that has now begun.

The veil of secrecy that has surrounded the plans and personages of this huge step towards a great new school of engineering will be removed. The exact aims and ideals, both present and future, will be disclosed by the men who are most intimately connected with the situation as it now exists.

In order to fully inform the present students of their share in the fulfillment of the close union of science and industry, Professor John J. Schommer will address the gathering. Other speakers will complete the program.

APPOINT STUDENT GROUP TO BEGIN TECH'S CAMPAIGN

In order to supplement the work of the Development committee of the Armour Institute of Technology, a student campaign committee has been appointed to carry on the work among the students of the Institute.

The chairmanship of this committee has been vested in Stanley M. Lind, president of the Armour Tech Athletic Association. Orville T. Barnett, editor of the *Armour Tech News*, has been appointed publicity manager to work with Lind.

Directly responsible to the chairman will be six department chairmen, each of whom in turn will head a committee of four, composed of a member from each class. The following students have been appointed department chairmen: A. Jungels, M.E.; M. Fagan, E.E.; W. H. Rudolf, C.E.; M. P. Venema, Ch.E.; E. A. Scanlon, P.P.E.; and F. D. Chapman, Arch. Students who are to serve on the committees with these chairmen have not as yet been selected.

Has Charge of Donations

The student campaign committee will have direct charge of soliciting from the student body donations, which together with the faculty and alumni contributions will make up the total. This sum of money is necessary to continue the operations of the Armour Development committee.

To stimulate interest and rivalry between the various departments there will be a competition inaugurated to determine which department can contribute the greatest amount to this fund, and a suitable reward will be given to the winning department.

A meeting of the student committee was held in the chemical engineering office yesterday afternoon at 2:15 o'clock, to discuss further the organization and conduction of this campaign.

Mr. Gans Speaks at Fire Protect Meeting

Mr. Gans of the Hartford Fire Insurance Company was the speaker at the Fire Protection Association meeting last Friday.

Mr. Gans, who has been with the company for a great number of years, told the members what the underwriters expect of a person when he graduates. He said that his first position after graduation was that of evaluating property of prospective customers. "In your reports," stated Mr. Gans, "the underwriter does look as much for the physical condition of the building, as for the moral character and past history of the new client."

This talk was followed by a discussion in which Mr. Gans tried to clarify many bothering questions of the members.

E. A. Scanlon, president of the society, closed the meeting by expressing his appreciation of having a speaker like Mr. Gans.

U. of I. to Hold Electrical Show

An invitation has been extended to students in schools and colleges of Chicago and vicinity to visit the beautiful campus of the University of Illinois to see its Electrical Show on Friday, April 1.

The invitation presents an opportunity to see the various buildings on the campus, such as the Armory, the old University Hall, the Memorial Stadium, and the Engineering buildings. To see how students live in one of the largest state universities will also be of interest to the visitor.

Because of the unique presentation of the numerous exhibits, the Electrical Show will prove to be a feature to all. The Westinghouse vacuum tubes, transmission of sound on a light beam, and voice recording apparatus constitute a few of the spectacular exhibits. Some of the exhibits are being arranged for the 1933 World's Fair in Chicago.

Special Rate Offered

For students who desire to go, arrangements have been made with the National Travel Service School Tours for conducting and escorting the party during the entire day. A very low rate of four dollars and fifty cents from Chicago will take care of all expenses, including round-trip railroad transportation, two meals, transportation in Champaign-Urbana, sight seeing through the University campus, and admission to the Electrical Show. The party will leave Chicago by the I. C. R. R. at 8:30 A. M. on Friday, April 1, and return by 9:30 P. M. the same night.

Those who are able to take advantage of this trip are requested to leave their names at the Dean's Office at once.

CALENDAR

- Tuesday, March 15**
5:00 P. M., Orchestra practice in the Assembly Hall.
- Wednesday, March 16**
5:00 P. M., Stresses and strains in Assembly Hall.
- Thursday, March 17**
10:30 A. M., General Assembly in Assembly Hall.
- Friday, March 18**
2:15 P. M., Meeting of all workers on student campaign drive in the chemical engineering offices.
- 5:00 P. M., Glee Club practice in Assembly Hall.
- Saturday, March 19**
7:30 P. M., Track Meet, Armour vs. Loyola, and Chicago University vs. Illinois State Normal at Chicago's field house.
- Monday, March 21**
9:30 A. M., General Assembly in Assembly Hall.

NEW DEVELOPMENT COMMITTEE ANNOUNCES RECOMMENDATIONS FOR EXPANSION OF INSTITUTE

Plan Expenditure of Over Three Million Dollars for New Plant and Equipment

TO SELECT NEW LOCATION FOR ARMOUR



ROBERT B. HARPER

NOTED ALUMNUS HEAD OF SPECIAL GIFTS COMMITTEE

Robert B. Harper, an alumnus and trustee of Armour Institute, has accepted the chairmanship of the Special Gifts Committee in the organization of alumni to obtain funds for the promotional program. Mr. Harper, who is a vice-president of the Peoples Gas Light and Coke Company, graduated from the Institute in 1905, and took his professional degree in chemical engineering in 1909. He has been with the Peoples Gas Light and Coke Company since 1905, when he entered their employ as an assistant chemist. In 1917 he was made chief testing engineering, in charge of all chemical, plant, and appliance testing and photographic work of the company. During the war, he was associated with the United States War Department in the testing of bases for explosives.

Mr. Harper Is Alumnus

Mr. Harper has had years of experience in the practical application of technical knowledge. As an executive of a large public utilities corporation, he is interested in modern practices in engineering education, and as an alumnus and a Trustee, this interest applies particularly to Armour Institute. He was able to give valuable assistance during the survey period, and he believes in the soundness of the Development Plan.

"Mr. Harper's acceptance of the chairmanship of the Special Gifts Group," said Professor John J. Schommer, at whose behest Mr. Harper's services were made available, "is both an endorsement of the development program and an assurance that the important special gifts division of the promotional work will be ably handled."

JUNIOR MARSHAL

Plans for the activities in connection with Junior Week are already being formulated. Although Junior Week actually does not occur until about the middle of May, I. C. Johnson, who was recently elected Junior Marshal, has announced his committee of assistants. The Juniors who were selected to aid in the operation of the Junior Week activities are O. T. Barnett, M. J. Eisman, R. W. Carlstrom, and R. J. Dufour.

To supplement the outline of the Development Plan which the alumni have already received in pamphlet form, and which the students will have an opportunity to read in the March issue of the *Armour Engineer*, the Development Committee has asked the *Armour Tech News* to publish this brief summary of the recommendations contained in the report of the survey committee.

Each of these recommendations has resulted from a thorough investigation of the problem involved. There are many subordinate recommendations for each of the general ones included in this list. Procedure on each recommendation has been carefully studied and planned, and the general nature of the action to be taken is suggested by this outline.

Twenty Major Recommendations

The recommendation in brief:

1. A new location for Armour Institute of Technology.
2. An expenditure of \$3,649,000 for new plant and equipment.
3. Establishment of an industrial research institute to be affiliated with Armour Institute of Technology.
4. Establishment of a technical institute to be affiliated with Armour Institute of Technology, and to occupy the present plant of the Institute.
5. Organization of a new corporation embracing the engineering college (the present Armour Institute of Technology), the industrial research institute, and the technical institute, and comprising twenty-five to forty-one members.
6. The development of these affiliated institutions independently of any other general educational institution.
7. Limitation of the student body of the engineering college to 800.
8. Organization of a permanent industrial relations committee to act in an advisory capacity to the administrations of the affiliated institutions.
9. Organization of a permanent faculty committee on educational policy.
10. Organization and extensive development of a personnel and placement department in the engineering college.
11. Organization of an alumni research foundation.
12. Wide propagation of knowledge of engineering education.
13. Establishment of more fundamental four-year undergraduate courses in engineering.
14. Organization of four-year courses in the fundamental sciences.

Will Have Fifth-Year

15. Organization of fifth-year courses in science, engineering, and architecture to provide opportunity for specialization.
16. Establishment of a full graduate school to provide education in research methods and opportunity for research in science and engineering.
17. Organization of post-scholastic courses in science and engineering.
18. Reorganization of shop-practice courses with science laboratory concepts.
19. Progressive and marked elevation of entrance requirements, and development of elimination mechanisms "in course" for defective students.
20. The progressive transfer of endowment to a student Loan Fund, accompanied by the gradual increase of tuitions.

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"The world's great men have not commonly been great scholars, nor its great scholars great men."
—Holmes.

A New Title Line

Last week the *Armour Tech News* came out with a new title line. No sooner did the student body see this line than various students began to comment. It appeared that student opinion was divided with half of it favorable and the other half unfavorable.

A word describing the change would not be amiss. The line formerly used was much too black for the rest of the paper. The type now used is lighter and more refined.

It is our aim in publishing the *News* to make the paper reflect in every way the dignified aims and ideals of the Armour Institute of Technology. In our opinion the new title line helps fulfill our aim. But in addition to our personal thoughts on this subject have been the complimentary remarks of men who are thoroughly acquainted with type and typesetting.

PERIODICALS

We are especially fortunate, here at Armour Institute, in the variety and number of subscriptions to current magazines and journals which can be had in the library. The actual figures on these subscriptions reveal that two hundred periodicals are regularly received at the library and are made accessible to all who are inclined to take advantage of this facility.

Many different fields are covered in this reading matter; the magazines are not only individual in their scope but also individual in their choice of subject. There is a large majority of engineering literature, this being necessary since practically all of the work here at school is technical. Each of the periodicals falling into this classification has its own perspective upon some particular phase of engineering practice, and by reading several periodicals dealing with the same science it is often possible to secure an understanding of the subject which would otherwise be completely lost.

Sometimes there is a tendency to lose sight of the practical side of engineering in the maze of details with which one must concern himself in order to "make the grade." The trade papers are a good cure for this trend and at the same time they furnish an insight into the methods which must be a familiar procedure to the successful engineer.

Beside this technical brain fodder, there is quite a number of story and current events magazines that

"The Slipstick"

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

My First Love

Little red book, with the innocent look
There on the table beside me.
What do you care—there's no gray in your hair
How I must slave to content thee.
All night I sit, at the end of my wit
Trying to solve some old riddle.
The spell you have cast, how long will it last
And keep my poor soul at its middle?
I realize, within you there lies
Wisdom that's come from the ages.
So onward I trod, oftentimes with a prod
Through the forest composed of your pages.
Why act I so mad? all reason I've had
Has flown like a scared turtle dove.
Ah me, it's not queer, my heart's wrapped up here
In this little red book, my first "Love".

I. K.

The Armour Players are planning another stupendous entertainment for the purpose of making the student body "drayma conscious". Well, just to help them out, we have a dandy three cell flashlight they can use. It ought to pass easily for the "Kohinoor".

The conductor on the Clark St. car called it Walk-or-Drive. Generally speaking, isn't that the name of almost any street in Chicago?

The "Put-Em-On-the-Pan" Week

The last issue certainly was a success, altho not for us. The Senior Civils have since threatened our ruination, the Junior Fireos took the liberty telling us how long we live, the mechanicals made life hot for us for a day or two, several chemicals have made it plain to us that further slams will not be tolerated, under penalty of acts which will be harmful to our person, and one or two other students have threatened to sue us for libel and a few other counts.

In spite of all this, we promise you another put-em-on-the-pan issue. Look for it soon.

Aviation Stude: "What happens, sir, when the parachute fails to open?"
Tough Sarge: "You come back, son, and I'll give you a new one."

—Rad.

A certain husband, whose wife uses his razor to open tin cans, has discovered that his wife's large powder puff makes an elegant shoe brush.

—Chemiker.

Cop: "What is your business?"

Prisoner: "I am a locksmith."

Cop: "Well, what were you doing in the gambling house we just raided?"

Prisoner: "When you came I was making a bolt for the door."

D. S. D.

JUST WHO IS THIS NUT?

It was visiting day at the insane asylum. One of the inmates imagined himself to be an artist, and he was busily engaged in dabbling at an empty canvas with a dry brush. A visitor, wishing to humor him, asked what the picture represented.

"That," said the nut, "is a picture of the Israelites being pursued through the Red Sea."

"Where is the sea?"

"Why, that's rolled back to allow the Israelites to pass."

"Where are the Israelites?"

"They've just gone by."

"Then where are their pursuers?"

"Oh, they'll be along in a minute."—Pup.

DICKSHUNARIA SIENTIFICA

Leyden Jar: an earthquake in Holland.
Cowhide: a substance used to keep cows together.
College: an institution of higher learning.
Psychological: anything that occurs in psychols.

My Analyze over the ocean,
My Analyze over the sea,
Oh, who will go over the ocean,
And bring back my anatomy?

—\$5'er

A cow is quite a useful animal—it makes the same noise as a saxophone, and gives milk besides.

—A Sax Player.

And that's that until next time.

THE BONGINEER.

can be used to strike a balance in the literary diet and prevent that state known as "becoming stale."

While it is out of the question for a student carrying the regular program to read voluminously in this collection, it seems that out of this myriad of publications there will always be one of a few which can be read regularly and to advantage; hence we feel justified in calling general attention to this facility which is practically at our fingertips.

R. F. R.

Theatre

COUNSELLOR AT LAW

Counsellor at Law now playing at the Selwyn is a show that should be seen by everyone. It is based upon the life of a prominent New York lawyer who specializes in murder, divorce, and criminal cases. Throughout his day the lawyer, George Simon played by Otto Kruger, answers a seemingly endless series of telephone calls while interviewing his clients. He has risen to his position from the slums. Each day he interviews people he knew while he was poor and not only gives them advice but also insists that they take money as well. The mother of the lawyer and the mother of a communist in trouble with the police, a woman who sells papers, demonstrate true qualities of a mother's love.

After a while the lawyer is threatened with disbarment. This forms the main plot and furnishes a very excellent climax. During the time that the audience is concerned with the life and work of the principal character, the telephone girl is revealing her life through her conversations with friends over the switchboard.

The play is a very smart production. Its cast comprises the following main characters: Dorothy Day, Thomas Shearer, Harry Mervis (you remember him from the Goodman), Mary Servoss, and Clara Langsner. Vincent Sherman, in addition, furnishes a lively scene as the communist.

The characters are all true to life. Each and every part played seems to be a part and parcel of the life of the person portrayed. The action is quite brisk. The first act with its four scenes seems over before you are fully aware that so much action has taken place.

The audience is lifted from their seats in the theatre to a place on the stage in the lives of the characters portrayed. All the fun, all the tragedy, and all the seriousness of office life run through the main plot to form a pleasing background.

My only advice is don't fail to see COUNSELLOR AT LAW as soon as possible.

DEATH TAKES A HOLIDAY

Chicago now has an outstanding comedy hit in "Death Takes a Holiday," at the Playhouse. George E. Wintz, the producer, has assembled one of the greatest casts ever brought into Chicago for this beautiful vehicle of Love, Passion, Beauty, and Life.

"Death Takes a Holiday," is an unusual story wherein Death, disguised as a mortal, decides to visit this world and discover for himself just why men and women, in fact all mankind, is so loath to leave life for his domain. He takes on the guise of charming young Prince Sirki, and becomes the week-end guest of Duke Lambert at his Italian palace. For three days he studies the hopes, ambitions, joys, griefs, and emotions of his fellow guests. He meets and falls deeply in love with the lovely young Princess Grazia, and so learns to know to the fullest extent of the true meaning of life about him. With the necessity of his return to his own domain, a real dramatic climax is also attained, a climax so compelling, so intriguing, and so fantastic as to leave the theatre patron and his neighbor in a state of breathless discussion.

ARX NEWS

The latest news from Scarab is to the effect that at their last meeting T. Irion was elected President; G. Terp, Secretary; and R. Ekroth, Treasurer. The outgoing officers are graduating this year.

After the smoke of the mighty Junior charrette on the "Commemorative Plaza" had cleared away, the plates judged and the marks posted, G. Terp, R. Phalack, and C. Sommers rated First Mentions.

"In what employment do you intend to excel, O Euthedemus, that you collect so many books? Is it architecture? For this art you will find no knowledge necessary." Socrates.

First Step Taken in Organizing Entire New Corporate Structure

This week's announcement of an addition to the Board of Trustees is the first step toward the organization of a whole new corporate structure for the Institute. Recommendations in the development plans include the obtaining of a new charter for the college of science and engineering, and the designation of trustees as members of the corporation. This corporate body will have from twenty-five to forty members, and it will include six men who are also members of the industrial research institute corporation. The technical institute corporation will have nine members, who need not necessarily be members of the college corporation, since these two branches of the whole structure are not closely related.

New Ideas As to Trustees
Introducing these recommendations, the report of the committee which investigated this aspect of the problem reads as follows: "In the past it has been customary to bring men into the corporate body of an

educational institution, not because of any interest they have in a specific kind of education or because they represent a field of activity vitally interested in a kind of education, but because of their social and financial prominence and weight.

"For effective functioning of the college of science and engineering herein proposed, men in the corporate group should have additional qualifications. The whole plan is built around the idea of doing service for industry. Industrial and professional leaders should know better than any others what that service can be, and they should be able to help shape the destinies of the institution which renders the service."

Further recommendations in this connection plan the organization of the various executive, administrative, and advisory committees of the corporate body which are necessary to successful operation of the three educational institutions.

Freshman Smoker Is Huge Success

The modernistic Victor Lawson Memorial Y. M. C. A. at Dearborn street and Chicago avenue was the scene of the annual freshman smoker on last Friday night, March 11. Over one hundred freshmen were present at their first social event of the season, and all agreed that it was a huge success. Due credit should be given chairman G. Wheaton and members of the social committee.

The affair was most opportune for members of the class to create new acquaintances and served very well in that capacity.

The program was carried out with John J. Ahern, the class president, as master of ceremonies. Professor John J. Schommer gave an interesting informal talk which was accompanied by some of his original jokes for which he is so well known. Professor Wallace B. Armsbury also created a good deal of amusement by the recital of a number of his poems. Other speakers of the evening were Dean Penn, Professor Henry T. Heald, and Professor E. C. Grafton, who added to the general hilarity pervading the gathering by telling some more jokes.

Orchestra Furnishes Music
The school orchestra, Stresses and Strains, was responsible for the melodious atmosphere. A few of the musical offerings were Wabash Blues, Ida, Sweetheart of Sigma Chi, and the Armour Fight Song, some of which enabled the frosh to show their talents. As an added attraction, a short comedy was presented by the Armour Dramatic Club.

Cigars and cigarettes were furnished in abundance for those who smoke and the serving of refreshments marked the conclusion of a very pleasant gathering.

Armour Riflemen Win Silver Medals

In the very near future, the members of the Armour Tech Rifle Team are to be presented with the medals which they earned by winning the State championship. A silver medal is to be given to each member of the team for first place as a team. A. Helmick will be given a gold medal for individual first place, S. Patla will be awarded a silver medal for second place, and W. Hollmann will receive a bronze medal for third place.

The team held a meeting at the range last Thursday, and the members elected a new group of officers for the coming year. E. Wandrey was elected president; D. G. Wilson, vice-president; K. L. Hackley, secretary; A. H. Helmick, team captain; and J. Ralszewick and J. Pesek, range officers.

The activity of the team this month is to consist of three matches with the Appleton Rifle Team of Appleton, Wis. The team also plans to enter in the fifty foot event of the Isaac Walton League Outdoor Show, which will be held sometime this spring. This event will be shot from three positions: standing, kneeling, and prone.

Inquiring Reporter

Question:

What Is Your Favorite Part of the News?

R. Miller, Ch. E., '35: "I enjoy the sports most because I have always been interested in sports."

F. Koko, C. E., '34: "The slipstick hands biggest laugh. It is always enjoyable. It helps direct our attention from the solemn atmosphere about Armour."

F. Cassil, Ch. E., '35: "Sports are most entertaining. They are very interesting. I like to follow the schools sports activities."

S. Winegar, Ch. E., '33: "I enjoy the editorials best. Armour needs something to prevent us from becoming a group of bookworms. The editorials do this by pointing out what we should strive for."

W. Holland, Ch. E., '32: "It may sound funny, but I like sports best. I like sports because of the fact I am a poor athlete and I am interested in others who perform."

F. M. Alberti, E. E., '34: "I like the editorials and I get a big kick out of the joke column. The editorials mention many things worth knowing. I like Schommer's articles very well. I think the paper as a whole is a very good thing for the students."

J. Levy, Ch. E., '35: "I like sports best. I enjoy reading the sports because I like playing them."

O. Zilch, G. E., '42: "Being artistically inclined, the pictures in the cigarette ads occupy most of my attention."

L. Sinderson to Talk at A. I. E. E. Meeting

Mr. L. O. Sinderson, engineer of the local General Electric Company office, will be on hand Friday, March 18, at 10:30, to give the A. I. E. E. branch a thorough and complete talk on "Automatic Elevators and their Control." The meeting will be held in Room D, Mission.

On three occasions in the past Mr. Sinderson has been unable to fulfill his engagement with the A. I. E. E. due to unforeseen engineering difficulties encountered in a new elevator installation in a middle-western city.

Mr. Sinderson is one of the most prominent authorities on elevators and their control in this section of the country.

Civils Visit Plants in the Calumet Region

Today the senior civils will visit the municipal plants in the Calumet region. Arrangements have been made with the city engineer of Gary, Whiting, and Hammond in order to make everything a complete success.

The civils will meet at Indianapolis Boulevard and the Indiana, Illinois state line at 8:30 this morning.

At noon they are to have lunch in the banquet room of the Gary Y.M.C.A. where the mayor of the city will give a short address.

Among the various things they are to inspect are the sewer system at Gary and the water filtration plant at Hammond.

Missing Alumni

In checking over the alumni files, the Development Committee has been unable to locate the following men. Alumni who have information concerning any of them, or who know how they may be reached, are asked to communicate their knowledge to the *Armour Tech News* or to John J. Schommer, at 2209 Tribune Tower, Chicago.

Oscar F. Abrahamson '12
306 Hartman Bldg., Columbus, Ohio.

Ralph G. Abramson '31
6 S. Mason Ave., Chicago, Ill.

William N. Alderman '30
6306 Kenmore Ave., Chicago, Ill.

Kent W. Bartlett x05
1212 Forest Ave., Hammond, Ind.

Rocco J. Blasi x31
5842 Calumet Ave., Chicago, Ill.

Louis Julius Blume '26
1237 Lunt Ave., Chicago, Ill.

Leo Bramson x31
3612 Douglas Bl., Chicago, Ill.

Paul Brant x10
6221 Kenwood Ave., Chicago, Ill.

Sherman L. Chaney '24
2111 East 67th St., Chicago, Ill.

Harold Flint Clausen
Arcadia, Wisconsin.

Allen L. DeVola
175 W. Jackson Bl., Chicago, Ill.

Henry G. Florian x30
Wilmington, Ill.

Robert Hall x11
1327 Lunt Ave., Chicago, Ill.

Julius L. Hecht x04
1744 Chicago St., Evanston, Ill.

Leonard M. Holmes '22
Care Winnipeg Gas & Elec. Co.,
Winnipeg Man. Canada.

Norman Huffaker '18
Maverick Clarke Lithograph Co.
San Antonio, Texas.

Harry S. Keeler x11
Rm. 1422 Tower Bldg., Chicago, Ill.

Robert E. Kilbourne '30
5200 Pensacola Ave., Chicago, Ill.

George Kuta x31
2344 Scoville Ave., Berwyn, Ill.

Harold P. Langstaff '12
1016 East End Ave., Pittsburg, Pa.

Smith H. Latta,
6683 Franklin Ave., Hollywood,
Calif.

Grover O. Melby '26
1739 Narragansett Ave., Chicago,
Ill.

Arthur J. Mueller x30
4208 N. Keeler Ave., Chicago, Ill.

Charles Paul Pelts x23
7724 N. Marshfield Ave., Chicago,
Ill.

F. L. Pond x16
7444 Phillips Ave., Chicago, Ill.

W. F. Roberts '14
Titan Engrg. Co., Butler, Ind.

Frank E. Sanborn '30
5200 Pensacola Ave., Chicago, Ill.

Emil J. Schmidt '11
8415 Dante Ave., Chicago, Ill.

Chas. H. Simmons x30
216 W. Elizabeth St., Calumet City,
Ill.

Harold E. Smith
252 Bartram Rd., St. Louis, Mo.

John F. Stastny '24
2655 S. Harding Ave., Chicago, Ill.

John W. Teker '29
Care General Elect. Co., Lawrence
Park, Erie, Pa.

James McC. Watt '04
5829 W. Circle Ave., Chicago, Ill.

William G. Wheeland '30
7658 S. Prairie Ave., Chicago, Ill.

William H. Yorke '13
1142 E. 45th St., Chicago, Ill.

E. Taylor Speaks to W.S.E. and A.S.M.E.

Members of the W. S. E. invited the A. S. M. E. group to join them last Friday to hear Mr. Eugene S. Taylor speak. The meeting was held at 10:30 in Room B, Mission.

Mr. Taylor is manager of the Chicago Plan Commission. His talk included a description of this group, its history, duties, and present activities.

The commission was originated in the years of 1908 and 1909 by the Chicago Commercial Club under the supervision of Daniel Burnham. In the twenty-three years of its existence, approximately twenty-five major projects have been introduced and developed.

The work of this group is to make and develop specific plans for the betterment of Chicago. These plans are then recommended to the city for completion.

Some of the present activities of the commission include the improvement of railroad facilities,

William Monroe Is New Trustee

William S. Monroe, President of Sargent & Lundy, Inc. has accepted a position on the Board of Trustees of Armour Institute of Technology, it was announced at a meeting of the Development Committee on Friday afternoon. Plans made by the Development Committee call for a Board which may include as many as forty men, and his is the first name to be added in the Committee's work to carry out their program.

William S. Monroe received his M. E. from Cornell University in 1890. He is the president of Sargent and Lundy, Inc., consulting engineers for the Commonwealth Edison Co., the Public Service Co. of Northern Illinois, Middle West Utilities Co., and other utilities corporations in the East. He is a member of the American Institute of Electrical Engineers, the American Society of Mechanical Engineers, and a former president of the Western Society of Engineers.

"The new Trustee", said Mr. Cunningham, chairman of the Development Committee, "exemplifies the type of man that the Board needs. The college of science and engineering, the technical institute, and the industrial research institute can all

New Books

Casey, R. J.
Cambodian Quest

Gibbs, Philip
The Winding Lane

Glaspell, Susan
Ambrose Holt and Family

La Farge, Oliver
Sparks Fly Upward

Mackail, Denis
The Square Circle

McKenna, Stephen
Dermott's Rampant

Mottram, R. H.
Castle Island

Sabatini, Rafael
Captain Blood Returns

Smith, L. E.
Flamenco

do a direct service for such companies as his. As Trustees of the new educational structure, men like this can see that this service is carried out in full."

Final enlargement of the Board will include representatives from the faculty and alumni groups of the Institute.

A.I.Ch.E. Sees Story of Welded Pipe Line

Messrs. Beaumont and Pohlman, two representatives of the Peoples Gas Light and Coke Company, gave an illustrated lecture on the construction of the 1,000 mile gas pipe line from Texas to Chicago, at the A. I. Ch. E. meeting held at 10:30 last Friday in Science Hall.

Three reels of moving pictures were shown which demonstrated the methods used in the pipe laying. Numerous difficulties presented themselves at every turn and all had to be surmounted. No less than 100 rivers were crossed by the wriggling pipe line. It was necessary to run six pipe lines each one mile long across the Mississippi River to insure a steady gas flow in case of an accident to one. Swampy terrain in many of the states caused considerable trouble in transporting the pipe lengths to the desired places.

Mr. Beaumont explained that the natural gas piped from Texas is mixed with city gas, thereby increasing its heat value per cubic foot and decreasing the cost of operations



THE STEAM SHOVEL

This column will appear from time to time. If you know anything of interest about your classmates, put it in the News box on the first floor of the main building. Who knows—we may print it.

Harold Rasmussen is known to the fire protects as the "white fireman." Will someone please enlighten us as to the source of this cognomen?

Speaking of firemen, John Ahern had sudden need for one when his hair caught fire in chem. lab. However the blaze was extinguished before the wood started to burn.

W. T. Dumsier, junior electrical, entertains his fellow electricals with a few piano selections each Friday in room C mission. The program is quite impromptu.

using gas. Natural gas has a higher heat value than this mixture but the manufacture of city gas will be continued to guard against interruption of service in the event of pipe line failure.

Eat at the
BOULEVARD CAFETERIA
31st and Michigan

Cheers at the freshman smoker were to be led by E. Flannagan but he either got cold feet or the cigars got the better of him.

Lockers in the basement of the main building are decorated with pictures. It appears that Armour's "burned out engineers" have an artistic sense after all.

It appears as though a number of students are trying to start a chapter of House of David at Armour. Think boys—does she like that unsightly stubble?

A. I. CH. E. PLANS SMOKER

The Armour Branch of the American Institute of Chemical Engineers has planned to hold a smoker on March 24 at the Theta Xi House, 3305 S. Michigan Ave. at 8 P. M.

In addition to the usual smoking and talking, the chemicals have procured many kinds of "gambling" devices. About the most outstanding one is a roulette wheel. There will also be card games for those who wish to play. Refreshments will be served during the course of the evening.

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TECH TRACKSTERS TO MEET LOYOLA SATURDAY, MAR. 19

This Saturday evening, March 19, the Armour Tech track team engages Loyola University in a dual indoor track meet to be held in the new University of Chicago fieldhouse. The time set for the starting of the first event of the evening is 7:30 P. M. At the same time that Armour is competing with Loyola, the Chicago University track team will stage a meet of its own with Illinois State Normal. Originally, this meet was expected to be a quadrangular affair with the same four teams involved, but because of a misunderstanding in the arrangements Armour will run against Loyola and Chicago University will meet Illinois Normal.

Last Indoor Meet

The meet with Loyola will probably be the last indoor meet of the season for the Armour tracksters until the Armour Relay Carnival rolls around on April 2, unless a return meet with North Central is arranged in the meantime. If another meet with North Central is arranged, Armour will be out to get revenge for that meet at North Central a week ago last Saturday which Armour lost.

Every student who can possibly do so is urged to come over to the fieldhouse at Fifty-sixth and University Avenue this Saturday evening. Besides all the excitement and thrills you will get out of the events, you are wanted as moral support for the team, which has been going "great" this year.

Just as a forecast, we predict that Chicago will defeat Illinois Normal and Armour will triumph over Loyola. Chicago has such stars as Brooks in the sprints, Hayden and Black in the hurdles, and Birney in the pole vault, who should prove too much for the downstaters' team.

Although the absence of Nelson will somewhat handicap the team, Armour's chances for victories will not be diminished, because of the wealth of good material on the squad this year.

Swimmers Lose Meet at De Pauw

In a dual meet held on March 4 De Pauw defeated the Tech swimming team by a score of 45 to 30 at the latter's pool in Greencastle, Indiana.

This year De Pauw has developed a very strong team. Among others she has been able to defeat the teams of the University of Indiana and the University of Cincinnati.

Contrary to what the score would lead you to think, the meet was very close. In some of the events very fast time was made and it can be said that Armour lost by a nose. In the relay and the 40 yard races Byanskas was nosed out of a better place by a very short distance.

There were eight events, two of which were relays. Armour captured the title to the 300 yard medley and lost the 160 yard. In the six other events only one first was made by an Armour man. This was by Cavanagh, who won the 200 yard breast stroke. However, by capturing a good number of seconds and thirds Tech kept in the running until near the bitter end.

The meet was very exciting, the neck to neck races keeping the spectators upon their toes. About the only race which wasn't close was the 200 yard breast stroke in which Armour took both first and second places and the De Pauw man trailed in about a yard behind.

St. Viator Boxers Defeat Armour

Armour Tech boxers were defeated in a return engagement with St. Viator College last Friday evening. The wrestling team represented by Frank Talaber won the last match on the card when he threw his opponent against the ropes so hard that he took a 4x4 support with him, thus making further competition impossible, much to the joy of his opponent.

McDonald won the opening match for Armour when he easily defeated Zarza in a three round engagement.

The first round was comparatively slow with just a few jabs thrown in with much clinching. The second saw a furious exchange of punches, and McDonald drew the first blood when he connected with a powerful sock right to the nose which had his opponent groggy. During the third round McDonald just piled up more points and when the gong sounded his St. Viator opponent was very much out.

In the second bout of the evening Marcus lost a decision to Noonan. Both took and gave all that they had and it should have been a draw, but according to the rules, a decision must be made and it went to the home team.

Captain Sandstrom and Core put up an exhibition bout for the third match of the evening, and judged by each round the crowd certainly enjoyed and appreciated it. No decision was rendered.

Balde won a decision over Heckmiller, of Armour, to put St. Viator ahead by a score of 2 to 1. Although Heckmiller was the aggressor throughout the bout he lost the decision.

Fenske, fighting his first fight for Armour, also lost a decision to St. Viator. They wasted no time in getting to blows, and traded punch for punch throughout the first and second rounds, but slowed up later.

Schavilje was defeated by O'Connor of St. Viator in the last boxing bout of the evening. O'Connor took the lead in the second round when he scored a partial knockdown. Schavilje came back strongly but failed to get the decision.

Frank Talaber agreed to meet Dexter of St. Viator, despite the fact that he was outweighed 35 pounds and was a head shorter than his opponent. After about one minute of wrestling, Frank, with a crotch and half-nelson, tossed his opponent for a forty-yard loss and broke a 4x4 post which supported the ropes, thus terminating the meet with St. Viator.

Boxing Results

152 lbs. McDonald, A., defeated Zarza, St. V.

142 lbs. Noonan, St. V., defeated Marcus, A.

152 lbs. Balde, St. V., defeated Heckmiller, A.

165 lbs. Harding, St. V., defeated Fenske, A.

135 lbs. O'Connor, St. V., defeated Schavilje, A.

(Wrestling) Talaber (158 lbs.) A., defeated Dexter (185 lbs.) St. V.

Swimming Summaries

160-yd. relay—Won by De Pauw (Du Shane, Crain, Powell, Edwards); second, Armour (Gowan, Ahern, Carlstrom, Byanskas). Time—2:22.0.

200-yd. breast—Won by Cavanagh (A); second, Kolve (A); third, Krenke (DeP). Time—3:05.6.

100-yd. back—Won by Bradley (DeP); second, Weston (A); third, Oswalt (DeP). Time—1:09.3.

40-yd. F. S.—Won by Du Shane (DeP); second, Powell (DeP); third, Byanskas (A). Time—0:19.5.

220-yd. F. S.—Won by Edwards (DeP); second, Crain (DeP); third, Davison (A). Time—2:39.4.

100-yd. F. S.—Won by Du Shane (DeP); second, Carlstrom (A); third, Bradley (DeP). Time—0:59.5.

Fancy diving—Won by Powell (DeP); second, Kolve (A); third, Jung (A). Points—110.5.

300-yd. medley relay—Won by Armour (Weston, Cavanagh, Carlstrom); second, De Pauw (Oswalt, Krenke, Edwards). Time—3:41.0.

INTERCLASS TRACK RECORDS

Event	Record Held By	Time	Date
50-yd. Dash	A. Jens '31	0:05.5	1931
50-yd. Low Hurdles	Nelson '34	0:06.4	1931
50-yd. High Hurdles	Oberbeck '33	0:07.5	1931
*60-yd. Dash	Kruezkamp '33	0:06.8	1932
*60-yd. Low Hurdles	Roberts '35	0:08.2	1932
220-yd. Dash	H. L. Fox '31	0:24.9	1930
440-yd. Dash	Sturm '30	0:54	1930
880-yd. Run	Nelson '34	2:05.0	1932
1 Mile Run	Sademan '33	4:48.2	1930
2 Mile Run	James '31	10:46.9	1931
Shot Put	Paul '30	46' 11"	1929
High Jump	Nelson '34	5' 8"	1931

*Note: 60 yard events were established this year because of competing in new University of Chicago Fieldhouse.

TECH SHORTS

Double Track Meet

Tech's tracksters will have their fifth 1932 indoor track meet next Saturday at the new University of Chicago fieldhouse. Armour will meet Loyola, and Chicago will compete with Illinois' State Normal.

The Armour track team lost its first meet this season at Naperville on March 5, 62½-41½. To date they have won three meets while losing one.

Nelson Breaks Record

George Nelson, Tech's champion runner, broke his indoor Armour record in the 60 yard low hurdles at Naperville when he won first place in 7.3 seconds. Last year he established the record of 7.4 seconds, also at Naperville.

George also equalled the indoor school record in the 880 yard run which he won in 2:05 in the interclass meet on February 13. Incidentally, this was the only interclass meet record which was broken this year. The old record of 2:09.9 was held by Ralph Timmermans '31.

Armour's swimmers ended their 1932 season against Morton last Saturday night. Tech probably won the meet, which gives them a total of five victories and three defeats.

Tech's Big Five

The five high scorers on the track team to date are: George Nelson, Captain Chuck Jens, Elmer Sademan, K. S. Hirsch, and Stan Lind.

Nelson Scores 76½ Points

Nelson has scored 76½ points of Armour's total of 1873-5 points in four meets. He has won fifteen first places in the high jump, hurdles, broad jump, and 880 yard run.

Twenty of the forty-two men out for track have won points for Tech.

Boxers At St. Viator

Tech's boxers journeyed to Bourbonnais, Illinois last Saturday to meet the St. Viator's team in a return match. They defeated them 4 to 1 in the meet at Tech several weeks ago.

Tech's baseball team had its first meeting of the 1932 season last night in Room A, Main Building.

Coach Krafft will probably now have practice every night in the Tech gymnasium until it is warm enough to play in Ogden Field.

Six Lettermen Back

Four major lettermen: "Vic" Omiecinski, second base; C. B. Sommer, center field; L. Lynch, pitcher; Roy Young, catcher; and two minor letter men: V. Galvani, second base; and W. Buehne, pitcher, are back from last year's championship team.

The season this year will probably open up on April 7 with Crane Junior College playing Tech at Ogden Field.

To date, fifteen games have been scheduled including the Alumni game to be played some time in May.

Armour's baseball nine will be out to win their first league championship this year in the Northern Intercollegiate Conference. The members of the winning team receive gold baseballs, and the school gets a silver loving cup.

Last year's championship was won by Lake Forest with six victories and two defeats.

Tennis and Golf

As soon as the weather clears up, Armour's tennis and golf teams will swing into action. Several men from both teams are back from last year's squads to insure Tech of a successful season.

Armour's athletic coaches are: W. C. Krafft, baseball and basketball; A. A. Stagg, Jr., track; W. W. Colvert, tennis; C. W. Leigh, golf; E. W. McGillivray, swimming; and B. Weissman, boxing.

George Nelson, '34 now has nine Armour track records to his credit in the low hurdles, high jump, 880 yard run, and broad jump. They include three interclass track records, four indoor and two outdoor school records.

H. P. R.

Nelson, Track Star, Breaks Collar Bone

George Nelson, track star has broken his collar bone again. No doubt many of you remember that he suffered a similar accident before the track season opened. This disability will keep him out of active service for about six weeks during which period the Armour Track Carnival will have occurred.

As Nelson will be out of the meet Armour will have harder work in winning the two-mile relay. He was one of the fast trio who ran in this event. Coach Stagg said that the men running the shorter relays will have to win so that Tech will not suffer.

Besides missing the Relays, Nelson will miss the rest of the indoor track season and much of the outdoor. Although the team will miss him they will keep pulling along. Coach Stagg and the rest of Nelson's teammates expressed deep regret when informed of the accident.

Nelson showed presence of mind after the accident. As soon as he found that something was wrong he went to the hospital. There a doctor discovered the trouble and set the fracture in splints.

PROFESSORS ON THE LEVEL

We understand that Professors Bibb, Moreton, Grafton, and Colvert are taking a post-graduate course in elementary surveying. Their first assignment was to determine the level of the outer room of the Faculty Club. At least this is what they were found doing last Friday afternoon. The results of the survey and the reason for it were not revealed by the professors but if there are any further developments the News will carry the full particulars.

Electricals Hold Inspection Trip

The senior electricals made a trip through the Delta Star Electric Company at 2437 Fulton street last Tuesday. Here they were shown some interesting pieces of apparatus. In the potential testing laboratories some tests were carried through for their benefit.

The high voltages required in the potential testing laboratories, are generated by two transformers, one 250,000 V. and the other 500,000 V. The two may be connected together to give over 750,000 V. They are about three stories in height.

Breakdown Tests Made

Several breakdown tests were made on a 37,000 volt insulator. From 105,000 to 120,000 volts were required to flash over this insulator. The critical spacing for a switch was also investigated. The critical spacing is the spacing at which a flash will take place from the point of high potential to the mounting or to the other insulator.

An explosion type of fuse was also examined. In this fuse the heat generated at the melting point draws gases from the fibre tube container, which explode with the blowing of the fuse. This explosion pushes out one end of the fuse wire so that the gap is larger than the 2,400 volt potential car bridge. The fuse investigated was ten or twelve inches long.

This very beautiful country is famed for its mountainous scenery and its bountiful coal resources. The stamps issued by the government reflect this beauty and are eagerly sought for by collectors.

Armour Stamp Club Meets to Hear Talk

A meeting of the Philatelic Society was held yesterday afternoon in the Electrical Lecture Room. The Club is now fully organized and the members have received their registration cards. The exchange system, under direction of J. Bard, began functioning when all the collectors brought in stamp books which are to circulate among the members. Plans were discussed for the exhibition on Open House night.

E. W. Carlton, originator of the club, gave an interesting talk on the stamps of Saar. This talk was once made by him at the Carson, Pirie, Scott Company's stamp club. Saar, a little known country hemmed in between Germany, France, Belgium and Luxemburg, began its existence after the World War by decision of the League of Nations. Much fighting was done over this district and at the end of the war France tried very hard to annex it, but the other powers objected and as a compromise it was made independent. In 1935 a plebiscite is to be held and the country will make its choice between France and Germany or will continue independent.

This very beautiful country is famed for its mountainous scenery and its bountiful coal resources. The stamps issued by the government reflect this beauty and are eagerly sought for by collectors.

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