

Junior Formal March 29th at Hotel Sherman

"The best is none to good for us." So runs an old Greek proverb, and so seems to be the byword of the Junior social committee in their preparation for the Junior Formal, to be held Friday evening, March 29 in the Bal Tabarin of the Hotel Sherman.

Smooth Combination

With the selection of the room, music, entertainment, and food the committee has attempted to select a combination pleasing to both eyes, ears, feet, and appetite. The Bal Tabarin, with its spectacular lighting arrangements and roomy, rectangular dance floor is impressive by its beauty and space. Although the room itself is to be the center of attraction, four comfortable lounges await those who desire some informal relaxation.

Versatile Band

Playing in their own distinctive style that resembles a careful mixture of Sammy Kaye, Kay Kyser, and Glenn Miller, Kenny Leighton's band assures a delightful evening of both dancing and entertainment. The orchestra features three male vocalists, a trio named the "Beachcombers," and a glee club.

Coupled with the "You're Datin' with Leighton" organization to furnish continuous music for the evening up 'till midnight is Jack Ivett and the Four Esquires. A quartet composed of a vibra-harp, string bass, guitar, and accordion, the Four

(Continued on page six)

Armour Men Plan Midwest Power Show

Under the able direction of Professor Stanton E. Winston, the Midwest Power Conference, sponsored by Armour Institute of Technology, promises to be one of the most important engineering events of the year. The conference will be held at the Palmer House, Chicago, on April 9th and 10th. All persons interested in any phase of power engineering ranging from the purely technical applications to its economical and social aspects are cordially invited to attend the sessions and discussion groups. There will be included something of interest to every type of engineer.

Excellent Cooperation

Seven other midwestern universities are cooperating with Armour Institute of Technology as well as the regional branches of all the national engineering societies. The University of Illinois, State University of Iowa, University of Michigan, Iowa State College, University of Wisconsin, Purdue University, and Michigan State College will have faculty representatives who will preside over the various sessions of the Power Conference which include power-processes, small power-plants, power fallacies, electrical transmission, hydro-power, and fuel problems of power plants.

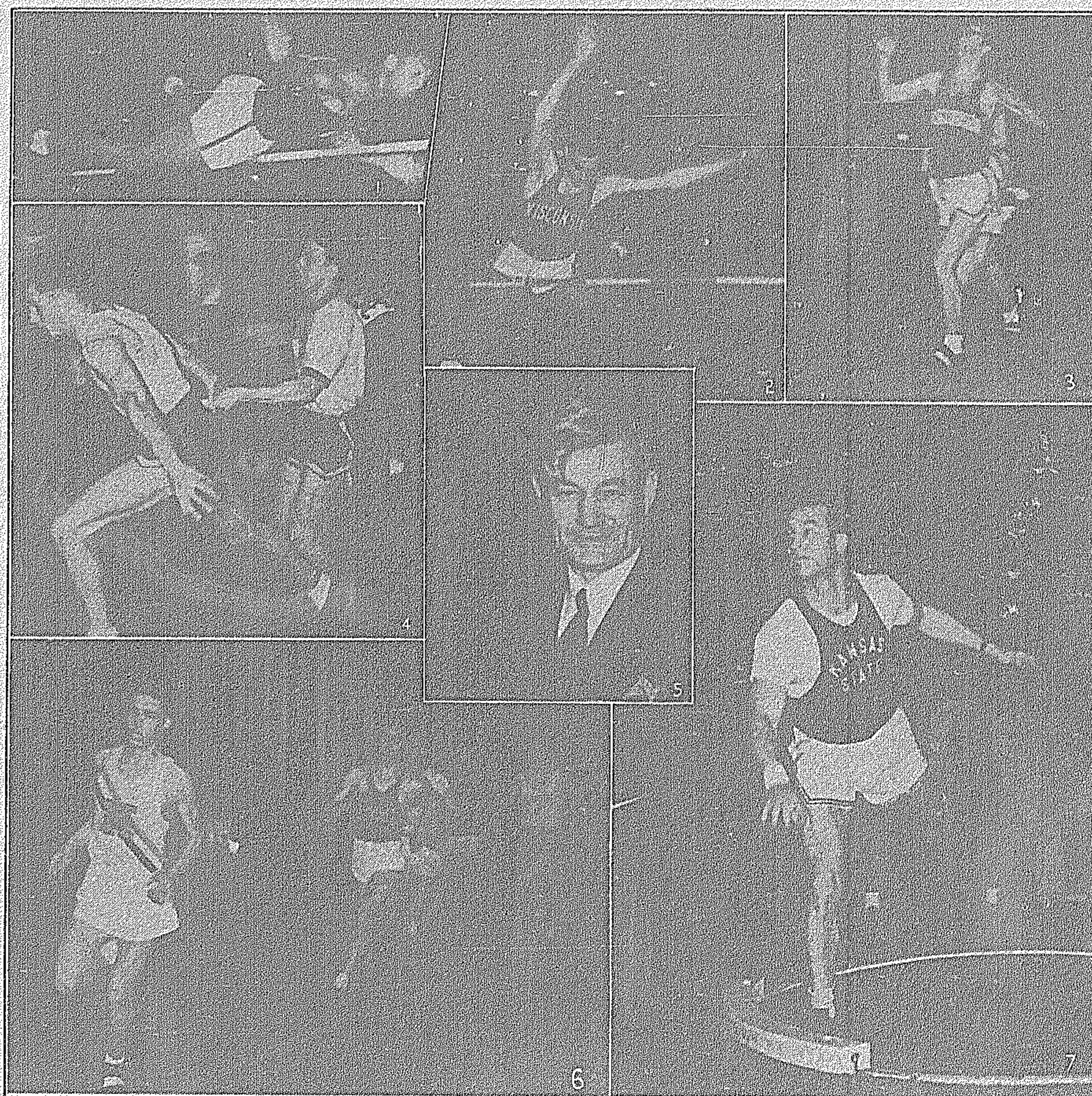
Pamphlets Distributed

Fifteen-thousand program pamphlets have been distributed throughout the power industry and publicity given in all trade publications. The attendance is expected to exceed that at any of the previous conferences.

Besides Professor Winston, the conference director, and Prof. Nash, its secretary, Armour will be represented by L. E. Grinter, vice-president of the Institute, and Professor J. C. Peebles who will preside over the session on "Fuel Problems of Power Plants."

After registration, the opening meeting will be presided over by L. E. Grinter, Dean of the Armour Graduate Division. Following this, a talk will be given on "Power Fallacies" by Philip W. Swain, the editor of "Power." "The Combustion Gas Turbine, a Novel Prime Mover" will be the subject of the talk by Paul

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(Photos by Raymond)

PICTORIAL HIGHLIGHTS OF THE TECH RELAYS—(1) Smith of NU clears 6'; (2) Williams over at 13'9"; (3) Baum of Wisconsin finishes the 880; (4) North Central changes batons; (5) The master mind of the Relays; (6) Start of the college mile; (7) Hackney throws one 48'.

Armour Host to Annual A.S.M.E. Meet Apr. 15, 16

On Monday and Tuesday, April 15 and 16, Armour Institute will play host to the Eighth Annual Students' Conference of the American Society of Mechanical Engineers. Represented at the conference, which is to be held at the Stevens hotel, will be six universities of the middlewestern states, namely Minnesota, Michigan, Wisconsin, Illinois, Indiana and Iowa. Approximately 400 members of the A.S.M.E. will be present. Prof. Daniel Roesch, Honorary Chairman, will preside, and will be assisted by R. W. Scott, student Pres., and John Catlin, Student Secretary, both undergraduates at Armour.

Monday, April 15

9:00 A.M.—Inspection Trip. Courtesy International Harvester Co. (Selected)
Noon—Luncheon
2:00 P.M.—Opening Session. South Ballroom
Parent Society Welcome
Ernest Hartford, Assistant Secretary, A.S.M.E.
Chicago Section Welcome, L. M. Ellison
2:30 P.M.—Technical Session. South Ballroom.
Papers by student representatives from eight colleges.
6:30 P.M.—Annual Banquet. North Ballroom
Address—E. F. Weber, Supt. Automotive Power, Burlington Lines

Tuesday, April 16

8:00 A.M.—Breakfast, Honorary Chairmen. Annual Conference
9:00 A.M.—Technical Session. South Ballroom. Papers by student representatives from eight colleges
12:15 Noon Luncheon—North Ballroom.
Report of Judges
Award of Prizes
2:00 P.M.—Inspection Trips. Selected. Diversified.

A.T.S.A. Concludes Plans for Banquet of Fathers, Sons

At the recent ATSA board meeting held last Thursday afternoon, the menu for the Father and Son Banquet was decided. The banquet, an annual affair and a complete sell-out last year, is to be held on Saturday evening at 6:30, April 13. As was the case last year, the Student Union will be the scene of the *pater et filius* activity.

Menu Appealing

The menu has as its main course broiled fillet mignon, baked potato, and peas. The dinner will start off with a cocktail, then a broth will follow, then the main dish, and a generous portion of strawberry short cake will be brought out as the peak of a fine dinner. It can not be doubted that this meal will appeal to both the taste and empty spots of father and son. Tickets for the banquet are expected to go on sale soon, with the price of one dollar if purchased before the banquet and a dollar and a quarter per person if purchased at the door. These tickets will be handled through Jack Clark, Dick Larson, Clay Dement, Fred DeMony, Roman Mankus, and Rocco Stefano.

Many Awards

In the other business of the afternoon session, the awards for wrestling and boxing were voted. The letter winners in these sports are as follows: Wrestling, Majors—Balswick, captain Hanna, Harrison, Kazmierowicz, Nigrelli, Till, Wasilenko, and Wolniak; Minors—Butkus, Cole, Hurwitz, Rosenberg, Siew, and Wagner; Dement, manager's award; Boxing, Minor—Colant, captain, Collins, DeGiorgi, Ericson, Kruse, Norkus, Peterman, and Rehwalt. This concluded the business of the board.

The March, 1940, issue of the **ENGINEER AND ALUMNUS** will be distributed today. Evening division students may obtain their copies of the **ENGINEER** in the First Floor Foyer of the Student Union from 5:30 P.M. to 8:30 P.M.

Open Summer Institute for Grad Students

When Armour Institute opens its doors June 17 for the first term of the 1940 Summer Graduate Institute, it will be inaugurating the most distinguished school of this type in the country. The summer graduate courses will constitute one of the most ambitious and outstanding accomplishments in the history of Armour. Far exceeding anything previously attempted, the courses offered, rather than specializing in one branch of engineering as is customary in most schools, will cover all fields of engineering and will make the Institute the center of summer graduate work in the United States. Despite the fact that all of the graduate students at this school are expected to participate, they will constitute only about one-fourth of the total enrollment, the remaining three-quarters are to be made up of outside students.

Beginning of Program

It is pointed out that the school this summer is the beginning of an extensive graduate program and is not merely a temporary affair. It will be the policy of the Institute to invite scientists of great distinction to lecture each summer on modern developments in engineering and science. For the coming term the staff will consist of graduate teachers from Armour and sixteen visiting professors from such widely separated schools as Yale and Stanford Universities and men of industry from companies such as General Electric and Western Electric. One of the visitors of the graduate division will be C. C. Furnas of Yale, who, though recognized as an outstanding chemical engineer, is especially noted for the many articles he has written. Many of them appear periodically in the *Saturday Evening Post*. Other visitors will include Barnett F. Dodge, of the chemical engineering department at Yale, Ralph M. Barnes of Iowa State University, who will teach a special course dealing with time and

(Continued on page five)

Michigan Normal, Marquette Keep College, University Relay Crowns

Registrar's Office Releases Averages of School Groups

As in the past few years the Registrar's office has released the individual and collective grades of the school with the average of the entire student body 1.44. As usual the seniors led the school with the junior, sophomore and freshman classes following in that order. Numerically the grades are as follows:

Senior Class	1.63
Junior Class	1.46
Sophomore Class	1.33
Freshman Class	1.18

Cameras Leads Seniors

In the senior class, the leading ten students are:

Marvin Camras	2.97
John Catlin	2.86
Sidney Heenan	2.82
Henry Newman	2.81
Alvin Winkler	2.78
Francis Opila	2.77
Ralph Wagner	2.76
Thomas Hunter	2.75
John Gerhardt	2.74
Carl Pierson	2.71

Leading the Junior class, are the following:

Leo Stoolman	2.80
Robert Harmon	2.78
Leonhard Holmboe	2.71
James Brown	2.70
Roy Jacobsen	2.70
Lionel Naum	2.68
Robert Mead	2.66
Bernard Rasof	2.65
Edwin Hass	2.62
Henry Dryer	2.61

Perfect Average

Robert J. Sullivan led the Sophomore class with an average of 2.95, while Roy F. Elke and Robert J. Mahashek shared Freshman honors with a perfect average of 3.00.

Department averages, Freshmen not included, are as follows:

Architecture	1.33
Chemical Engineering	1.39
Civil Engineering	1.44
Electrical Engineering	1.52
Fire Protection Engineering	1.79
Mechanical Engineering	1.40
Science	1.25

The following groups are arranged according to the seniority of their establishment at the Institute.

Honorary Fraternities

Tau Beta Pi	2.68
Pi Tau Sigma	2.51

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Dr. Frank W. Hurd Joins Foundation in Fuel Research

Dr. Frank W. Hurd has been appointed to the chemical engineering division of the Research Foundation. A graduate of Drake university and Iowa State college, he received his doctorate at the University of Minnesota while acting as a teaching assistant in their chemistry department from 1935 to 1937. Among other achievements, he has his bachelor's degree in mathematics and chemical engineering, and a doctor's degree in physical chemistry.

Dr. Hurd who at the present is a resident of Minneapolis, Minn., has been active in research, his work including oil and water miscibility under ultraviolet light; preparation of ceric hydroxide sols; preparation of colloidal iron for use in magnetic ink; measurement of oxidation-reduction potentials of bacterial suspensions; the influence of sulfanilamide; the study of the diffusion processes of red corpuscles, using artificial radioactive bromine. Before coming to the Research Foundation, he was engaged in photochemical research with Dr. R. S. Livingston; he has done research work in the radiology department of the university hospital at Minneapolis. At the Research Foundation he will work in the field of special fuel development problems.

Chuck Fenske broke all existing records in the three-quarter mile last Saturday night at the twelfth running of the Armour Tech Relays at the University of Chicago to be first man ever to run that distance under three minutes. The University of Wisconsin graduate student clipped 3.7 seconds off the world's indoor mark of 3 minutes 3.4 seconds established for that distance by Lloyd Hahn in 1925.

Two Other Records Broken

Two other records were broken and one record was tied as Michigan Normal of Ypsilante paced the college division to retain the college trophy for the second time in two years.

Although there were no trophies awarded for team performance in the university division, Marquette by unofficial count was high scorer with 56 points.

The evening's activities had barely started when Michigan Normal's crack relay team won the college two mile relay in the meet record breaking time of 8:05.3. Normal's well-balanced team of Ralph Gildenstein, Bob Lee, Russell High, and Sterling Paris lowered by one and two-tenths seconds, the mark set by Normal in last year's meet. Later on in the evening Michigan Normal's team of Ronald Clark, Ralph Gildenstein, Russell High, and Lewis Kagen won the college one mile relay event for another first.

In winning the team trophy the Michigan thinclads scored most of their points on the four firsts and three seconds they captured. Not to be outdone by the record-breaking relay his teammates had run, Charles Hlad of Michigan Normal proceeded to take both college hurdle events. In the 70 yard high hurdles, Hlad beat out Walter Revel of Kansas Teachers, while his teammate, Sterling Paris, was placing third. Hlad and Paris again gathered points for Michigan in the low hurdles by taking first and fifth places respectively, Hlad missing the meet record by a tenth of a second.

Shelton Beaten In Dash

All attention was turned to the university 70 yard dash, as returning record holder Walter Shelton, colored sprint star from Marquette University, lined up with a field of brilliant dash men, including Gene Littler of Nebraska University, Maynard Black, a teammate, and John Davenport of Chicago. A final lunge prevented a dead heat as Littler beat out Shelton, tying the meet record of 7.1 seconds.

In the university hurdle events, both defending first place winners

(Continued on page three)

Nottage Gives Talk on Water Drop Behavior

Thursday afternoon at four o'clock, Mr. Nottage, of the mechanical engineering department, presented a paper entitled "Dynamic and Thermal Behavior of Water Drops in Evaporative Cooling Processes" at the Heat and Thermodynamics Colloquium which met in the Student Union under the chairmanship of Dr. Max Jacob. This paper is a report of the progress of research in evaporative cooling which has been, and continues to be, conducted at the University of California under the sponsorship of the American Society of Heat and Ventilating Engineers, the Air Conditioning Society of San Francisco, California Industry, and the University itself. Mr. Nottage previously presented this paper at the 46th annual meeting of the American Society of Heat and Ventilating Engineers, which was held in Cleveland, Ohio, from January 22 to 26 this year.

The paper, which was prepared jointly by Professor L. M. K. Boelter, of the University of California, and

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Armour's Status

In the recent issues of the Journal of Engineering Education, official organ of the Engineering Council for Professional Development, facts of such significance relevant to the national position of Armour have been brought to our attention that we deem these statistics and their implications worthy of comment over and above purely factual statement.

1—Armour Institute is the only accredited engineering school in or within the immediate vicinity of the Chicago Industrial Area. Lewis is not accredited; nor is Northwestern or Notre Dame. Of equal importance is the unqualified approval which Armour enjoys, that every department in the Institute is entirely and without reserve fully accredited with the E. C. P. D.

2—The student enrollment at Armour in the four year, day school college course ranks second among engineering schools and institutions throughout the country. Purdue enjoys top position.

3—In the graduate school enrollment, Armour again places second this time superseded only by M. I. T.

Unquestionably with the merger, the influence of Illinois Institute of Technology will be felt to the extent that the effect of its drawing power will extend from substantially a state locale to that of a national one as well. The merger will establish the enrollment figures of the institution as to completely overwhelm any and all competition.

But the key to Armour's present success, and to that which is to follow for the Illinois Institute is not found alone in the above considerations but rather in the third point. It has been said that the outpost of advance in an institution's program for national recognition lies in the excellence of the recognition of such of the graduate school. The reputation which Massachusetts Institute has enjoyed over these past years is due in a large measure to the exceptionally high rating of its graduate division. And while it is true that abundance does not of itself imply excellence apparently it is more than incidental that the leader in the quality of advanced work should be classified as first in the number and quantity of individuals participating in graduate study. Accordingly, we believe it entirely within reason to look upon the status of Armour in the graduate school enrollment classification as a rather positive testimonial of Armour's national position. Nor do we think it highly improbable with the present progressive program of graduate advance, and with the merger close at hand, that in the not too distant future Illinois Institute of Technology will be the standard from which comparisons will be made.

The point is that the essence of an institution's excellence is not simply in the high standard of its requirements and in those of its faculty but in the realization by non-members that such conditions prevail. Armour is unquestionably possessed of the former. It remains for the personnel of the institution to gain for them that recognition through publicity—not by a group or by a department, but by a unified movement with a definite program.

"The Slipstick"

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

Any similarity between this colyum and the original unexpurgated (uncensored) copy is purely coincidental. It just goes to show that a censor is a guy who gets three meanings out of a joke that only has two.

*Itsy bitsy pider
went down de wader pout
down cum de wain
'n' wash de pider out.
out cum de sun
'n' awied up all de wain
den de itsy bitsy pider
went up de pout again.*

The chief had ordered the cuspidor removed from the engine room. The assistant complained several days later: "Chief, I sure do miss that cuspidor." "You always did," answered the chief. "That's why I threw it out."

"Hell," said the devil as he picked up the phone.

IMMUNE

"How about a little kiss, girlie?"
"No, I have scruples."
"Well, that's all right; I've been vaccinated."

WE KNOW

I like an exam.
I think they're fun.
I never cram.
And I won't flunk one.
I'm the teacher.

A miss in the car is worth two in the engine.

They were crowded in a chummy roadster.
"Really, Harold," she murmured, "you ought to use both hands."
"I know," said Master Martin, "but I'd probably ditch the car."

NOT SO LIGHT AT THAT

The fog was very thick, and the chief officer of the tramp steamer was peering over the side of the bridge. Suddenly he saw a man leaning over the rail only a few yards away.

"You confounded fool," he roared. "What on earth do you think you are doing? Don't you know my ship has the right of way?"

Out of the gloom came a sardonic voice. "This ain't no ship, captain. This is a lighthouse."

*There was a young girl of Australia
Who went to a dance as a dahlia.
When the petals uncured,
It revealed to the world,
That the dress, as a dress, was a failure.*

The difference between learning to drive and learning to play golf is that when you learn to play golf you don't hit anything.

JEEPERS CREEPERS—A CONTRIB

Little Miss Muffet
Sat on her tuffet,
That's the new name for it.
A. Nonneymouse.

When his daughter returned from the girls' college, the farmer regarded her critically, and then demanded:

"Ain't you a lot fatter than you was?"
"Yes, faw-ther," the girl admitted. "I weigh one hundred and forty pounds stripped for 'gym'."

The father stared for a moment in horrified amazement, then shouted:
"Who in thunder is Jim?"

A salesman was passing through a small town and had several hours to while away. Seeing one of the natives, he inquired, "Any picture show in town, my friend?"

"Nope; nary a one, stranger," was the answer.
"Any pool room or bowling alley?"
"None of them either," came the reply.
"What form of amusement have you here?" asked the salesman.

"Waal, come on down to the drug store. Thar's a Freshman home from the university."

WELL, ALL RIGHT

He: "Please!"
She: "No!"
He: "Just this once!"
She: "No!"
He: "Aw, Ma, all the kids are going barefooted."

Puppy love is just the beginning of a dog's life.

The two brothers were engaged in a retail business and one was converted to religion. For weeks he tried to persuade his brother to join the church.
"Why can't you join the church like I did?" he asked.
"It's a fine thing for you to belong to the church," replied the brother, "but if I join, who'll weigh the coal?"

"Are you going to learn to ski this winter?"
"No, I'm going to let it slide."

Das ist alles for this week and a happy vacation to you guys.

OH MIN!

Fraternity Notes

By Don Knief

Pi Kappa Phi held an open house party last Friday night to warm up the new furniture. Raymond Smith, M.E. '42; Harold Martin, M.E. '42; Andrew Michyeta, M.E. '42; Garrett James, Ch.E. '42; Edward Collender, Ch.E. '42; Dale Willman, F.P.E. '42; and Stuart Olsen, Co-op '41, have recently been initiated and will be able to take an active interest in the proceedings.

Alpha Phi Chapter of Pi Kappa lost one of its most active alumni when Paul Hoffman passed away last week. The whole school, and particularly Paul's many friends, extend their sympathy. A dance was held at the Delta Tau Delta house after the Tech Relays last Saturday. Sonny Weissman, Al Mell, and Professor Oldenberger were on hand. Saint Patrick dominated the theme of the decorations, but the renovated Buddha was the main source of merriment to the fellows who were in the know. The Theta Xi house is having a thorough going over. The house has bought new household furnishings, and the Mothers' Club is lending a hand in the spring cleaning necessary to show off the new furnishings to the best advantage. Triangle held a St. Sweeney's day party. However, after tending to the decorations the aforementioned Gael got modest and said that it should be called St. Patrick's. Or was it the other way around?

Brother Hanna seems to have a lighter step these days. Could it be because a weight has been taken from his chest? Rho Delta Rho informally initiated fifteen men last Friday night after a hectic hell week. The initiates are Herbert Berman, M.E. '43; Ivan Parkas, E.E. '42; Arthur Goltz, E.E. '43; Burton Joseph, Ch.E. '43; Aaron Krus, Cr.E. '43; Irwin Lachman, C.E. '43; Edward Lang, Ch.E. '43; Manny London, Ch.E. '42; Lawrence Nadel, Ch.E. '43; Meyer Pollack, E.E. '42; Bernard Sarasin, Ch.E. '42; David Sniader, M.E. '42; Warren Spitz, Arch. '42; Daniel Workman, E.E. '43.

Arx News

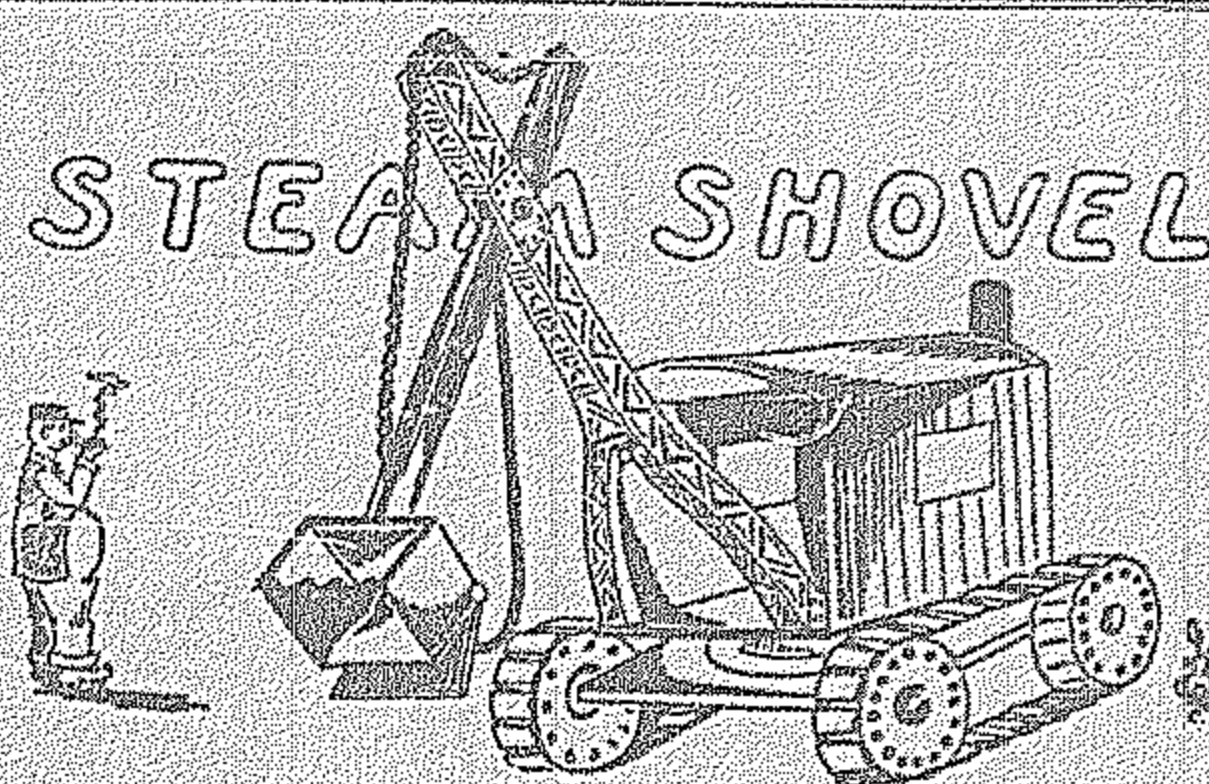
The Shovel goes down and around below. be-low and it comes out here. . . . Yes, here. . . . Hmm! Seems that word "here" reminds us of something a certain Arx and "the light of his life" were enjoying one afternoon last week. . . . Like coke it comes in glasses. . . . Michaelson known as the soph chess champ. . . . Salz the junior checker champ. . . . Kulicke "Go South Young Man" leaves for Florida tonight. . . . Probably to look over the beaches for air-brush models. . . . Schneider master mind of manipulating moving doors. . . . George Dickel newly elected president of Scarab.

So little Audry laughed and laughed because he knew that the senior who lost that most important piece of wearing apparel was the victim of his prank of tying the senior Tee Squares together. . . . Spitz running around looking like a clown for the last time, Friday. . . . Lenarts' imagining "poster blond" causing quite a bit of comment. . . . Boy! For an imagination like that.

Through the keyhole . . . the officers of the A. A. S. are planning a closed party. . . . Refreshments, girls (bring your own), and dancing. . . . The affair to be several weeks after Easter. . . . So start looking around for that girl. . . . We see where the Steam Shovel at last got some high class info. . . . But after all, why call Dodge "another of the boes."

Being lost in that sleet storm of a week or so ago, Wechrl sought shelter. . . . Lo! And behold Francis' house. . . .

This was told of a certain graduate student. It seems he saw it distinctly, but didn't notice how many there were, or what direction it was going. . . . Intense excitement prevails because he will probably watch for it again. . . . Which all goes to prove that our congressman doesn't send details. . . . So we bid you adieu in form of a happy Easter egg.



Nickolas Crater, Shylock Homes, another Skinny Guy and seventeen more Gees have pledged to sneak and snoop and tell all. . . . Big and tall, little and small, the jaws of justice grind exceedingly small. . . . Ole Man Shovel is gwine to epill a load. . . . Hold on to your hats.

NICK "GNATS" NATINCHEK has got a face like a barometer. Comprendis amigos. . . . What a face. . . . What a night. . . . We notice that hasn't been looking so good these days.

The prize story of the week concerns our old brother 'ERB 'ANSEN. . . . Title LOCAL BOY GETS FROZEN OUT. . . . 'erbie after reading a wee bit o' Mark Twain . . . decided to do a little excursioning on the Fox River. . . . It runs through his back yard. . . . In place of a river boat he used a cake of ice. . . . His trip was brought up short by a bunch of the boys who escorted him to the station house for questioning. The latter part of the last sentence is the polite way of writing psychopathic examining. . . . He was released with a warning. . . . May we also add a warning—Refrain From Imbibing 39c a gallon White Lightning!

We hear loud cries of despair and woe every day, but the loudest and longest of them is voiced by one "Brawn for Brains" Bosnak. "I ain't making no heading on my N.Y.A. job. . . . up and down. . . . up and down. . . . the best I can do is break even every night. . . . it's getting on me noives."

Herr Hammer has finally pinned down that originator and purveyor of Oriental trash. . . . "Honorable Chin Down" Eck has been exposed as the one, only, and original Confucius.

DOC DAVEY has had his feelings hurt. The actives of Phi Kaps, because of his lack of knowledge of the Greek Alphabet, have made a lasting impression on his mind.

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SPECS.

FENSKE SETS RECORD IN RELAYS

Relay Audience Held Spellbound As Many Star Athletes Perform

Bill Williams and Hunt Share Spotlight With Fenske

By Warren Spitz

Number twelve in a series of twelve gigantic track successes was chalked up on the scoreboard of time last Saturday evening as hundreds of top-notch performers competed in another annual running of the Armour Tech Relays. From 7 p.m. to 11:30 p.m. an overflow audience was held spellbound, watching runners whirl round and round the beautiful oval track in the University of Chicago fieldhouse, while at the same time other sturdy athletes displayed perfect grace and timing in field-event competition.

Rousing Spirit Is Present

There was no doubt of a thrilling evening in store as the competitors bubbled with versatility and spirit while they warmed up for each individual event. We overheard Coach George Marshall, of the champion Michigan State Normal squad, as he was addressing a few of his lads before one of the relay events. He spoke jokingly of the need of about twenty points for good luck, whereupon his relay men shook hands and guaranteed to run like h--- so as to give their coach a present. The boys did not fail and in a few minutes they gaily returned with ten points, garnered from a first in the college two-mile relay.

Relay Race Brings Greatest Thrill

The university two-mile relay afforded the greatest team-event thriller of the night by the staging of a nip and tuck battle between the crack squads of Marquette and Illinois. First the Illini and then the Wisconsin school was in the lead, the baton-changing being the important factor. As the two anchor men sped into the final lap, Illinois was far in the front. However, Pruski, the tall, serious Marquette lad, put on a tremendous burst of speed to bring the crowd to its feet in a photo finish, showing Marquette the winner, setting a new relay record of 7:52.4.

Elmer Hackney, the pride of Kansas State, was hindered by an injury, but, with his hand taped he still managed to output his opponents to steal the shot-put title. Hackney broke the existing record last year but unfortunately was unable to give his best in the 1940 event.

With Fenske's performance leaving the crowd dazed, it took a red-headed streak from Nebraska, Littler by name, to awaken the spectators as he flashed home to victory in the university quarter-mile. Littler also won the 70 yard dash, upsetting Shelton of Marquette, earlier in the evening.

Armour Almost Does It

Armour rooters were given a thrill in the final running event of the spectacle when George Matthews took the lead in the first 220 yards in the college sprint medley relay. This was the first time in the show that the Techawks displayed a victory spurt, but high hopes diminished as the lead was lost and consequently Armour failed to score in their own games.

Pole Vault Holds Audience

From early in the night until long after all other events had been completed, the eyes of every onlooker were drawn to the pole-vault, where there ensued a tingling battle of nerves betwixt three outstanding men. Ed Thistlewaite, the defending titleholder, was forced out at a height of 13 feet 6 inches and left two sophomores, Bill Williams of Wisconsin and Harold Hunt of Nebraska. The boys attempted to set a new record at close to 14 feet, but each took three serious tries and failed. By this time, the entire remaining audience was crowded around the vaulting circle, gasping as the two athletes brushed off the bar in each successive effort.

Falls and trips were a constant occurrence throughout the various races. At one time a second-place runner collapsed just before the finish line to bring disappointment for his cohorts.

Mermen Trounce DePauw 39-27; End Seven Win Season

In their final meet of the 1939-1940 season, the Tech swimmers trounced the mighty DePauw mermen by a 39-27 score. The meet was held last Saturday evening in Bartlett pool.

By beating DePauw, the Techawks broke a five year jinx. For this period of time the Hoosiers have always beaten Armour. Last year the Indiana school barely managed to eke out a 39-36 win at Bartlett. Saturday marked the second meeting of the season of the two schools. On Feb. 9 the Techawks were whipped 52-32 while swimming intercollegiate distances at Greencastle.

In copping the meet, the Black and Gold took six firsts including thrilling wins in both relay events. DePauw came through with triumphs in the 40 yard free style and in the fancy diving, whereas the Federalists finished first with Koos in the 100 yard breast, Pearson in the 220 yard free, Huxhold in the 100 yard back, Pearson in the 100 yard free style, Huxhold, Svagdis, and Blume in the medley, and Rademacher, Talcott, Mankus, and Pearson in the free style relay.

As a result of this victory, the season's record stands at 7 wins and 3 losses. After the meet, the team elected Arney Blume, junior architect and versatile free styler and backstroke captain for the 1940-1941 season; and Dick Larson, junior fire protect, manager.

Tech Thinclads Beat Elmhurst

Chalking up their first meet victory of the year, Armour's track team decisively defeated Elmhurst College, last Wednesday afternoon at the University of Chicago Fieldhouse. The Techawks ran up their highest total of the current season in winning the meet by the score of 59 to 36.

Techawks Take Seven Firsts

Armour's track men captured seven first places, while Elmhurst took only four. As expected, our thinclads won the three field events, but unexpectedly split the eight running events, scoring a greater total number of points than Elmhurst in the running events.

The fine showing in the running events was mainly due to Co-Captain John Cerovski's victories in the quarter-mile and half-mile events, to make him the leading scorer of the day. Hank Jackowski, with a first in the mile and a third in the two mile, and Barry with a first in the low hurdles, and a third in the high hurdles, were other leading point getters.

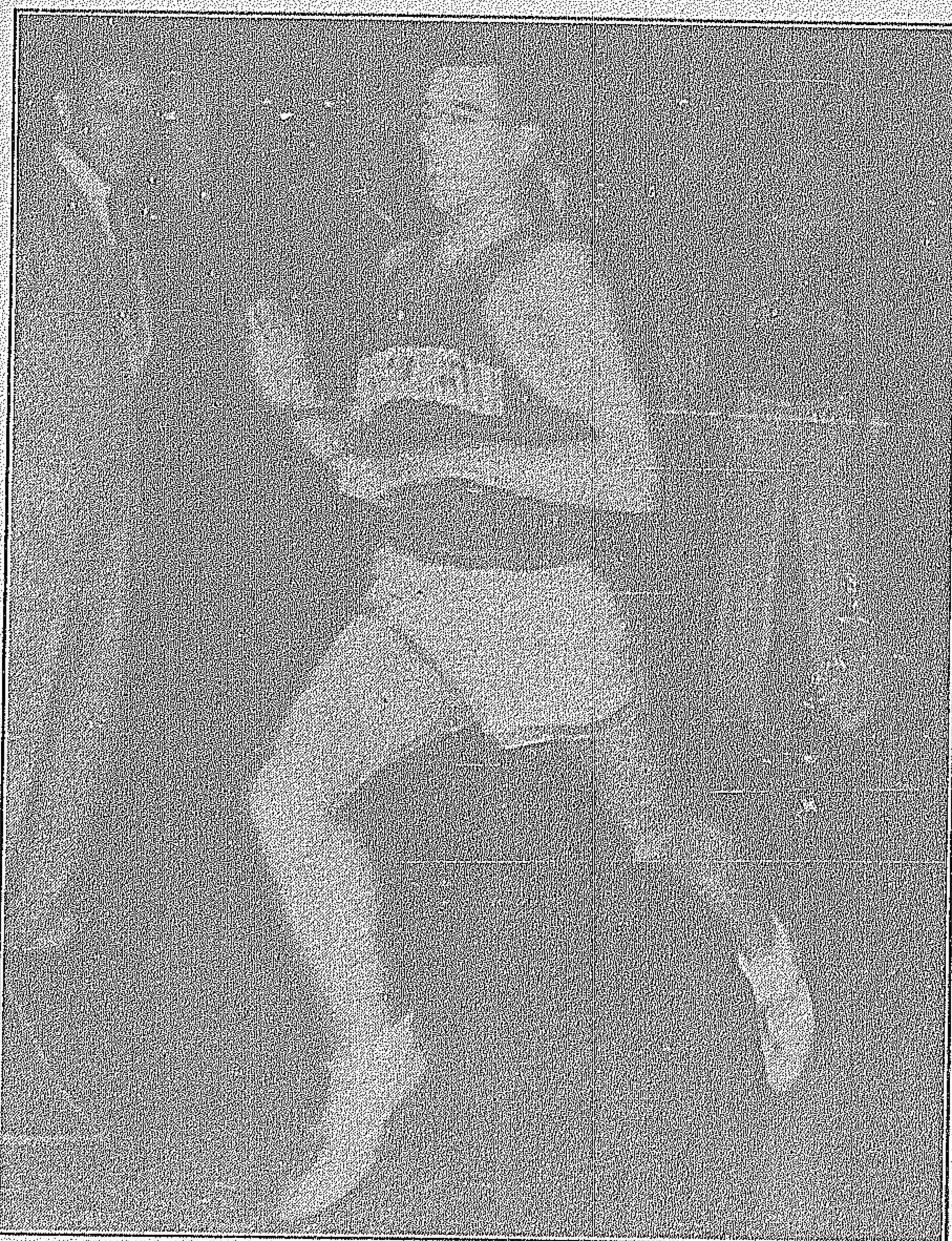
Burman Breaks Record

In the field events the best performance of the meet occurred when Roy Burman putt the shot forty feet six and one-half inches, for his best mark of the year, breaking the meet record. Lefty Mongeau also starred in the field events with two thirds and a tie for first in the high jump.

Egan led Elmhurst in scoring with a first in the high hurdles and a second in the lows. Elmhurst won the half-mile relays in what proved to be the most interesting race of the day.

Summary

60 YD. DASH—Bohle (E.); Ryant (A.); Redmond (A.) Time—06.4.
MILE RUN—Jackowski (A.); Lane (E.); Heidenreich (A.) Time—5:07.
440 YD. DASH—Cerovski (A.); Redmond (A.); Matthews (A.) Time—5:57.
70 YD. HIGH HURDLES—Egan (E.); Keigher (A.); Barry (A.) Time—09.8.
TWO MILE RUN—Schierhorn (E.); Lanson (E.); Jackowski (A.) Time—19:51.3.
880 YD. RUN—Cerovski (A.); Amstutz (A.); Manstetter (E.) Time—2:14.6.
POLE VAULT—Edwood (A.); Heidenreich (A.); Mongeau (A.) 11 feet 9 inches.
70 YD. LOW HURDLES—Barry (A.); Egan (E.); Keigher (A.) Time—08.9.
SHOT PUT—Burman (A.); Cash (E.); Mongeau (A.) 40 feet 6 1/2 inches.
HIGH JUMP—Clark (A.); Mongeau (A.); and Brown (E.) three way tie. 5 feet 6 inches.
RELAY—Won by Elmhurst (Roshack, Gerten, Meitz and Bohle). Time—1:38.4.



(Photo by Raymond)

Chuck Fenske breaks the tape and the three-quarter mile record.

Colleges

Michigan Normal	62 5-6	Milwaukee	6
Kansas Teachers	40 1/2	Macomb	6
Loyola	26	Wilson	5
Iowa Teachers	20	Beloit	2
De Kalb	16	Culver-Stockton	2
North Central	12 1/2	Cornell College	2
Coe	9	Wheaton	2
Lawrence	6 1/2	Heidelberg	1
Mt. Pleasant	6		

Universities

Marquette	56	Nebraska	25 1/2
Illinois	38 1/2	Kansas	20
Wisconsin	28 1/2	Chicago	11 1/2
Northwestern	26 1/2	Michigan State	1

TECH RELAYS—

(Continued from page one)

successfully retained their positions. Joe Finch of Northwestern beat Bob Shurilla, star sprinter from Marquette, to keep first place, coming within a tenth of a second to the meet record for the event. In the low hurdles Shurilla equalled his time of last year when he won over Bill Lewis of Illinois in 7.7 seconds.

The college sprint medley relay saw the brilliant running of Max Lenover as anchorman for Loyola, to beat Michigan Normal for first place.

The high jump event was disappointing as Jim Smith took top honors with a 6 feet 1 inch leap. This was far below the record for this event set in 1938 at 6 feet 6 inches by Charles Bechtel of Northern Illinois State Teachers College.

TABLE OF SUMMARIES

COLLEGE TWO MILE RELAY—Won by Michigan Normal (Gildenstein, High, Lee, and Paris); Kansas Teachers, second; Loyola (Chicago), third; Milwaukee Teachers, fourth; Iowa Teachers, fifth. Time, 8:05.3. (New record. Old record of 8:06.5 established in 1929 by Michigan Normal.)

COLLEGE 70 YARD DASH—Won by Lewis Taylor (Wilson Junior college); David Conway (Michigan Normal), second; Woody Kramer (Kansas Teachers), third; Lincia Bartnik (Central Michigan Teachers), fourth; Claude Santee (Iowa Teachers), fifth. Time, 07.2.

UNIVERSITY 70 YARD DASH—Won by Gene Littler (Nebraska); Walter Shelton (Marquette), second; Maynard Black (Marquette), third; John Davenport (Chicago), fourth; Jack Turner (Elmhurst), fifth. Time, 07.1.

(Ties relay record. Record first established in 1933 by Johnson of Illinois Normal, tied in 1934, 1936, and 1939 by Herman of Carleton, Cliver of Illinois, and Shelton of Marquette, respectively.)

UNIVERSITY TWO MILE RELAY—Won by Marquette (Bob Monahan, John Bohler, Don Vosberg, Leonard Pruski); Illinois, second; Wisconsin, third; Kansas State (Manhattan), fourth. Time, 7:52.4. (New record. Old record, 7:53.2 seconds, established by Michigan State in 1933.)

CITY HIGH SCHOOL HALF MILE RELAY—Won by Tilden (James Cagwin, Frank Varrik, Al Grochowski, Harry Tyree); Austin, second; Crane, third; Lake View, fourth. Time, 1:36.5.

COLLEGE ONE MILE RELAY—Won by Michigan State Normal (Ronald Clark, Ralph Gildenstein); Kansas, second; Loyola (Chicago), third; Kansas Teachers (Pittsburg), fourth; North Central, fifth. Time, 3:23.5.

COLLEGE 70 YARD HIGH HURDLES—Won by Charles Hind (Michigan State Normal); Walter Revel (Kansas Teachers), second; Sterling Paris (Michigan State Normal), third; Art Lancaster (Loyola), fourth; Walter Kinch (Coe), fifth. Time, 08.8.

UNIVERSITY 70 YARD HIGH HURDLES—Won by Joe Finch (Northwestern); Robert Shurilla (Marquette), second; William Smutz (Nebraska), third; Richard Roising (Illinois), fourth; George Foster (Marquette), fifth. Time, 08.7.

UNIVERSITY SPRINT MEDLEY RELAY—Won by Illinois (Donald Bailey, William Lewis, John Turner, Park Brown); Marquette, second; Kansas State (Manhattan), third; Chicago, fourth. Time, 2:34.4.

COLLEGE 440 YARD RUN—Won by William Terwilliger (De Kalb Teachers); Ronald Clark (Michigan State Normal), second; John Clark (Iowa Teachers), third; Bob Reed (Wheaton), fourth; Quinton, Foster (Western Illinois Teachers), fifth. Time, 2:11.5.

JUNIOR COLLEGE SPRINT MEDLEY—Won by Wilson Junior (James Driscoll, Joseph Grand Pro, Lewis Taylor, Carl Denoms); Morton Junior, second; Wright Junior, third; La Grange Junior, fourth. Time, 3:44.6.

UNIVERSITY 440 YARD RUN—Won by Gene Littler (Nebraska); Jerry Schneider (Northwestern), second; Wilfred Burnham (Kansas of Manhattan), third; Byron Zolin (Wisconsin), fourth; John Zales (Michigan State), fifth. Time, 55.6.

UNIVERSITY 70 YARD LOW HURDLES—Won by Robert Shurilla (Marquette); William Lewis (Illinois), second; Arthur Schwoppe (Marquette), third; Clyde Hale (Illinois), fourth; William Smutz (Nebraska), fifth. Time, 07.7.

COLLEGE 70 YARD LOW HURDLES—Won by Charles Hind (Michigan State Normal); John Meson (Iowa Teachers), second; Walter Kinch (Coe), third; Art Lancaster (Loyola), fourth; Sterling Paris (Michigan Normal), fifth. Time, 07.8.

880 YARD RUN OPEN—Won by Jerome Bauer (Wisconsin); Howard Schoenike (Wisconsin), second; John Bohler (Marquette), third; Wolfgang Schubert (Illinois), fourth; Harley Mead (Coe), fifth. Time, 2:00.6.

COLLEGE SPRINT MEDLEY RELAY—Won by Loyola (William Elson, Joseph Dougherty, Roy McCall, Max Lenover); Michigan Normal, second; Kansas State Teachers (Pittsburg), third; Iowa State Teachers, fourth; North Central, fifth. Time, 3:52.2.

UNIVERSITY ONE MILE RELAY—Won by Illinois (William Lewis, John Krivec, Don Bailey, Earl Burns); Marquette, second; Northwestern, third; Wisconsin, fourth; Chicago, fifth. Time, 3:22.9.

SHOT PUT OPEN—Won by Elmer Hackney (Kansas State), 48 feet 4 1/2 inches; George Fastvan (Wisconsin), second, 47 feet 7 inches; William Walsh (Wisconsin), third, 47 feet 4 1/2 inches; William Vanderhill (Kansas State), fourth, 48 feet 9 1/2 inches; John Sikich (Illinois), fifth, 44 feet 5 1/2 inches.

HIGH JUMP OPEN—Won by Jim Smith (Northwestern), 6 feet 1 inch; Jim Ray (Chicago), and Charles Roy (Northwestern), tied for second and third, 5 feet; Alfred Harter (Wisconsin), Robert Stark (Illinois), Don Smith (Northwestern), Dave Timmerman (Wisconsin), Russell Ray (Northwestern), and Alfred Rasi (Macomb Teachers), tied for fourth and fifth, 5 feet 10 inches.

ONE MILE RUN—Won by Harold Brooks (Nebraska); William Farin (Wisconsin), second; Richard Wicksham (Marquette), third; Ely France (Marquette), fourth; William Jenkins (Iowa Teachers), fifth. Time, 4:23.7.

OPEN POLE VAULT—Harold Hunt (Nebraska), and William Williams (Wisconsin), tied for first and second, at 13 feet 9 inches; Ed Thistlewaite (Northwestern), Harold Stein (Michigan State Normal), and Bob White (North Central), tied for third, fourth and fifth, at 13 feet.

Bettors Borican's Time Set Five Nights Before by Second and Half



By Art Jens, '31

Relays in the Armour style were presented for the twelfth time last Saturday at the University of Chicago Fieldhouse. A far cry from the First Invitational in old Bartlett Gym in 1929 when Chicago romped off with most of the ribbons, Saturday's meet had all of the svelt of any of the highly advertised eastern meets. Collectively and individually, the performances were of such high caliber that the audience did not leave until the last man had made his final effort in the pole vault.

FIRST WORLD MARK

Chuck Fenske, the red meteor from the garden spot of the world, Madison, Wisconsin, raced the listed world mark for the three-quarter mile run into the clay of the Fieldhouse with a tremendous 2:59.7 effort. At the start, the question in almost every mind was: could this almost machine-like runner put together three quarters at slightly less than one minute each to replace Lloyd Hahn's indoor mark of 3:03.47. He did, and in this fashion: first eighth mile, :29; quarter mile, :58.7; three-eighths mile, 1:30; half-mile, 2:00; five-eighths mile, 2:30; three-quarters, 2:59.7. You will note this is almost perfect timing. He was probably too fast for the first quarter, but hit the three-eighths point and thereafter was right on the dot. He finished strong.

We saw the watches at the finish of the race and with a slight stretch of the line the time could have been 2:59.6 for more watches had this number showing than 2:59.7. However, head timer Joe Lipp called the latter and it was official. Application forms were prepared after the run for recognition of this time as a world mark. After a survey of the track, the completed form will be sent to the National A.A.U. headquarters for consideration. It is probably that, because this was a paced race, it will not be accepted.

STAR OF STARS

It may be interesting to note the progress of this lad Fenske in the relays since the time his name first appeared in the summaries. In 1937 he was second in the mile to his Wisconsin teammate Cook who was timed in 4:29.8. In '38 he ran the fastest indoor dirt track mile on record in 4:08.8. In a special race last year with Tommy Deckard of Indiana providing the competition, he won in 4:12.5. This year he has already won more than eight feature mile races and has replaced the master miler, Glenn Cunningham, as the star of stars.

JUNK AND STUFF

After Fenske, what more is there to say unless we put it all together under a column of Tech Shorts within Tech Shorts as so: Great consternation was expressed by the officials when it looked as if the afternoon events would extend into the evening program. Dr. Monilaw took a hand and his starter's gun was red hot when the six o'clock dinner bell was rung. . . . Dinner was at the Del Prado and began with sirloin steak and ended with fancy stories by John Schommer and Joe Lipp. . . . John won the first prize, a slightly anaemic wiener in an overstuffed bun. . . .

The toughest job of them all is placing the bar on the standards in the pole vault after each try. This honor fell to an eminent physicist and a well-known mathematician, respectively Professors Colbert and Bibb.

DIAMOND NEXT

We close this column for the 74th time, ever looking forward to the bigger and better things to come. Next year, undoubtedly, a finer Relay meet with the hope that Chuck Fenske will put on another of his world record breaking performances. Nuff said.

Travels Paced Distance In Remarkable 2:59.7 Time

OFFICIAL RECORD?

By Jim Fahey

Last year on this page was written a head to a story on the Armour Tech Relays which brought a flood of protests upon the sports editor. That heading read, "Fenske, New King of Milers, Coming to Armour Tech Relays." In the course of the story it was predicted that this bespectacled Wisconsinite would in a year's time assume the role formerly held by Glenn Cunningham. That, we believe, was one of the first, if not the first, predictions of Fenske's future success.

Beats Borican's Record

Last Saturday night, this prediction was satisfied as Wisconsin's favorite son came home with a world's record for the three-quarter mile. Not an American record, not an Armour Relay record, but a world's record. It was the first time any human had traversed the distance in less than three minutes. Five nights previous Johnny Borican, Fordham negro middle distance man, went the route in 3:01.2 but Chuck cut a second and a half off this to make it 2:59.7.

Due to the fact that it was a paced race and not competitive, it probably will not be accepted by the International Amateur Association. A precedent for not accepting this mark was the passing up of Cunningham's famous 4:04.4 mile at Princeton a few years back. However even if not accepted by the Association it will be, like Cunningham's mark, accepted by the public as the acme of perfection.

Pacers Deserve Share of Credit

To Jerry Bauer and Howel Schoenike, pacers in the race, must go the credit for setting a perfect pace. All through the race, one of them kept five yards ahead of Fenske and this distance never changed.

Bauer and Fenske left the finish line together but the Wisconsin half miler went into the lead at the turn and held the lead for three laps. All the way, Fenske ran with a smooth easy pace and it seemed as if he wasn't even trying to break a record. Starting the fourth lap, Schoenike relieved Bauer and stepped the pace up a few seconds but Fenske kept right with him. Bauer meanwhile was getting his second wind, and on the start of the last lap, came in again and the pace became a sprint with Fenske now showing his powerful last lap kick as he ripped down the final straightaway for the new record.

Co-holder of I.A.A. Title

The three-quarter mile is the first world's record held exclusively by Fenske although he is co-holder of the mile indoor record recognized by the I.A.A. His time bettered Borican's and also Wayne Rideout's 3:00.3 for the outdoor record.

So with this prediction come true, may we make another. Watch a chap named Bill Baker of De La Salle high school. Last week he ran the mile in 4:25.3 and this is the best any Chicago high school runner has ever done. Five years from now Baker will be a senior at Notre Dame and the new king of the milers. Remember when we come up and say, "We told you so."

Hank Sliwa Elected Captain of Quintet

In their final official meeting of the year, the basketball squad met last Friday and elected Hank Sliwa, junior chem, captain of the 1940-1941 squad. Hank has seen almost constant service with the Techawks as guard for two years. He earned his first "A" last season. Although primarily a guard, Hank tied for third place in individual scoring with Eddie O'Connor with 53 points each.

Wrestlers Whip Augustana 35-5; Win Five of Eight Bouts on Pins

TECHAWKS FACE ALUMNI

Angle for Sixth Win Against Former Stars

By taking all but one match, the wrestlers had little difficulty in crushing Augustana to the tune of 35-5, Saturday, March 9, at the teachers' school. Despite the fact that the Techmen were competing without the services of two regulars, Wolniak and Balsewick, five of the eight matches were taken on falls and two on default.

Manager Dement Fights as Heavyweight

Dement, the manager of the wrestling team, fought in the heavyweight division, and was the luckless victim of the only Augustana win. It is a tradition of the Armour wrestling team, that the manager wrestle in one of the season's meets. Dement did very well despite the fact that he had not had much practice. He nearly had Mystron pinned, but due to his inexperience, he failed to take advantage of the situation, and was pinned after 2:30 minutes.

Hanna Wins in Fast Time

Till started off the meet in the 120 lb. division by pinning Anderson of Augustana in the fast time of 2:47 minutes. Wasilenko at 127 lbs. looked all over the place for an opponent but no one could be found, and he was awarded five points through default. Harrison tossed Nordmark all over the ring in the 134 lb. class, and pinned him after 4:30 minutes. Captain George Hanna followed with another five points when he pinned Benson's shoulders to the mat in the 143 lb. division in the good time of 2:30 minutes. Nigrelli, at 153 lbs., fooled around with Householder for 7:00 minutes until he really got mad and pinned him. Buticus had the same trouble as Wasilenko in finding an opponent, so he had to be content with a default. Kazmeirowicz, fighting at 165 lbs., was outweighed six pounds by Larson, but he pinned his man after 4:34 minutes despite this handicap.

Fifth Victory of Season

This win was the wrestling team's fifth victory of the season as against three losses and one tie. Tonight the matmen will engage in a meet with the alumni at five o'clock in the gym. To date this meet appears to be the last of the season's schedule, but Coach Sonny Weissman is dickering for another meet.

En Garde! Fencers Flash Foils in Fun

The Armour Tech Fencing Club is now going into action after two years of enforced idleness. In the spring of 1938 it wound up its career with a series of three meets, winning one. Due to the loss of several of its best men through graduation in June, 1938, the fencers ceased to function as an intercollegiate team. The handful of men remaining were unable to carry the load alone due to the pressure of class work.

Until the present time no concerted action had been made toward reviving the club. At the beginning of the present semester such a movement was started under the leadership of R. S. Kirk, an enterprising freshman, and R. E. Tannehill, a former team member. The club is now in the process of organization with a prospective membership of twenty to twenty-five.

The club has two main objects. The first and most important is to promote fencing at Armour and to provide training to all students who are interested. The second is to organize a team to represent Armour in intercollegiate competition. At the present time the club is operating without financial support from the Institute. Until such aid is received, equipment will be provided through a nominal fee which has been decided upon by the members.

The club practices from five to six o'clock every Thursday evening in the gym. All students who are interested and have not reported for practice are urged to communicate with either Kirk or Tannehill or report to the gym on Tuesday, March 19, 1940 at 5:00 P.M. No experience is necessary.

Tech Boxers Again Defeat Valparaiso; Finale For Glovers

In their meet with Valparaiso University of Valparaiso, Indiana, on March 14, the boxing team won by a score of 4½-1½.

In the 12½ lb. division the fight between DeGiorgi of Armour and Hirsch of Valparaiso was called a draw after it was stopped in the second round because both fighters had had cuts over their eyes. Ericson at 135 lbs. was knocked down at the end of the third round by Wolf of Valparaiso but the bell rang before the count was started. The decision went to Ericson on the points which he had piled up in the first two rounds.

Peterman Gets Decision

At 155 lbs. the fight was stopped in the second round because Polack of Armour was bleeding severely. The decision went to Captain Helbing of the Valparaiso team. Peterman, fighting in the 160 lb. division, easily won his bout, which was also stopped in the second round due to the injuries of Kremel.

Norkus Wins Heavyweight Bout

Rehwaldt again slugged out a victory for Armour in the 175 lb. division against Maier in a full three round match. Probably the best fight of the day was the heavyweight bout between Norkus and Blatz of Valparaiso in which Norkus took the decision. Norkus packs a hard right and if he could develop a left of equal caliber he would be an outstanding boxer. This was the last meet which was on the boxers' schedule.

Rackets Twang Mightily As Netmen Start Practice

First tennis practice, last Thursday at the Armory, brought forth a host of players eager to show their ability to occupy the two positions left open by last year's graduation. Returning regulars of last year's squad are Captain Nick Natinchek, Ralph Wagner and Bob Lange. Ed Swanson and Mel Biddle graduated last spring to leave two positions open for competition.

Manager John Balsewick has made out a schedule which includes an opening meet with the University of Chicago. A final schedule will be issued as soon as all the meets are completely arranged.

Last year the tennis team ended the season with a record of six wins, five losses, and one tie. All indications point to a good 1940 season, with the returning of three experienced lettermen. Practice will be held Thursdays at five o'clock at the Armory in the coming week and from the men reporting will be chosen the players to fill the remaining positions.

Senior Mechs Regarded As Favorites to Cop Crown

With the coming of each spring, softball finds itself the center of interclass activities, and this year is to be no exception. Already plans are being formulated for the coming season as actual play is less than a month away.

Last year the Senior Mechs won the title by beating the Senior Chems, 4-3. On the strength of last year's showing the Mechs must be rated as favorites though they will get plenty of competition from the Senior Chems, Junior Mechs, and Junior Chems.

The Senior Mechs for the most part will have the same club as last year with Epstein on the mound, Wolniak at first, Lindgren second, Clark short, and Stimpf on third. In Valparaiso the Mechs also have a capable pitcher for it was his fine chucking in the final game that stemmed the attack of the Chems, and gave the title to the present champs. The catching will be handled by Risany, and Red James will probably cover the territory in short center. In the outer garden Dahlin, Holle, Mueller, Johnson and Michalkantz will no doubt share the assignment as all the men are capable fielders. The Mechs on the whole appear to have a well balanced club and are definitely the team to watch.

Frosh Cagers Whip Soldiers

The best game in the career of the 1939-40 Frosh Cagers was played last Tuesday night at the Armory against Company "C" of the 108th Engineers. The game ended with the score 60-15 in favor of the Greenlings.

It seems that the Guards were having some slides on army tactics before the game. The Frosh wisely spied on them and got some ideas with which they used to great advantage in the game. The Frosh literally bombarded the boys from Company "C" to H— and back again with their great basket shooting.

Jones Gets 20 Points

On the offensive the Frosh looked like champions, finally reaching their peak. The entire squad, led by Captain "Casey" Jones, poured basket after basket through the hoop while their bewildered opponents helplessly looked on. It seems that Jones brought the "little woman" to the game, and her presence really inspired him as he went out on the floor and collected sixteen points in the first half, and four more in the second, bringing the total to twenty for the evening, before he was relieved by Hoover. Jones wasn't the only hotshot on the floor that night, for McMacken and LaGodney each tossed in five field goals. Also, every man on the team scored at least two points to contribute to the complete annihilation of the Guards.

End Successful Season

The Guards tried hard to break up one of the best defenses that the Freshmen have shown this year, but failed utterly, scoring only fifteen points. The entire squad played a bangup game, taking everything that the Guards had to offer.

This game ended the most successful season a cage team at Armour has enjoyed for several seasons. The main factors that contributed to the success of the Greenlings were: (1) the spirit shown by the members of the squad. (2) Every man showed up for almost every practice session and displayed real team spirit and good sportsmanship, and (3) the capable coaching of Bill O'Brien, former Armour star basketball player.

Box Score		FROSH (60)	
COMPANY	"C" (15)	P.	F.
Mesinger	7 0 0	McMacken	5 0 0
L. Mesinger	2 3 0	Silla	1 0 0
Campbell	1 0 0	Lagodney	5 0 1
De Bour	0 0 0	Brazelton	2 0 0
Gundersen	1 0 0	Jones	16 0 0
Lubroski	0 0 0	Custow	2 0 1
		Kolom	2 0 1
		Kline	2 0 0
		Hoover	1 0 0
	6 3 0		30 0 3

Golfers Tee Off For New Schedule

Under the expert tutelage of Coach Sammy Bibb, the golf team will soon be whipping into shape for their heavy schedule. The entire team of six lettermen, Don Sunde, Melvin Korrell, Ralph Schmal, John Fox, Al Bredlau, and Harry Sieg, is returning from last year's competition. Korrell and Schmal, co-ops, compose the nucleus of the team, both shooting consistently in the low seventies. The other team members all shoot below the eighty mark. Richard Taylor and Paul Buerckholtz, sophomores, are also good prospects, and will also help to make a well balanced team. In all probability Manager Don Mackey will divide the men into "A" and "B" teams. Those men who are interested in golf are invited to attend the meeting today in room 2E of the Student Union at 12:15 o'clock.

The schedule as released by Mackey is as follows:

Team	Place
Apr. 6—Alumni	Chicago
Apr. 12—Bradley	Peoria
Apr. 13—Wabash	Crawfordsville, Ind.
Apr. 20—De Kalb	Chicago
Apr. 27—Wayne	Chicago
May 4—Bradley	Chicago
May 7—Western State	Kalamazoo, Mich.
May 8—Calvin*	Grand Rapids, Mich.
May 9—Wayne	Detroit
May 18—De Kalb	De Kalb
May 25—Loyola*	Chicago

*Indicates date tentative.

Honor A Plans Dance, Adopts Award Change

Honor A, the athletic honorary for winners of the coveted "A", held their first meeting of the semester last Friday noon in the Student Union lecture room. This organization has on its active list ten top Armour athletes, with Lloyd Norkus as president, Bill Bauch as secretary-treasurer, and Mr. Schommer and Sonny Weissman as faculty advisors.

Adopt New Standard

The purpose of Honor A is to standardize athletics and to formulate an athletic policy for the ATSA. Acting in this purpose, this honorary decided at its meeting to make a standard for the awarding of captain's letters for minor sports. This newly adopted standard calls for a major letter to be awarded to a captain only if he has earned three minor letters in the sport and is a senior.

Plan Dance

Although primarily interested in the athlete's status at Armour, Honor A also looks into the social life of the athletes. In this vein, the fraternity announced plans for a radio dance. This social function, according to George Hanna, is to take place April 5 in the lounge. All athletes, whether letter winners or not, are invited to attend this affair. Although it is a dance, other entertainment is planned. Movies are in store, both of the sporting and comedy variety. These will be shown in the auditorium. And, as all athletes will appreciate, a light luncheon will be served. Despite all of this entertainment, the tax will not amount to more than twenty-five cents per couple.

Kentucky 'Cats' Outsplash Tech Swimmers by Score of 40-26

Free-Style Race Steals Show in Maze of Highlights

Facing a strong 'Cat team from the blue grass regions of Kentucky, the Tech mermen dropped their third meet of the season last Saturday night in Bartlett pool. The final score read 40-26 with the visitors on the long end of the score.

Last Event Decides Meet

Although the score indicates a one-sided meet, such was not the case. It was the last event, the 240 yard free style relay, that decided the result of the meet. Before this event, the Kentucky lads were leading by seven points, the exact number of points awarded for winning the relay. With the possibility of a tie the Techsters dove in and started to hit the waves with fury. However, the extra length proved to be a little bit too long for the locals, and Kentucky pulled into a sizeable lead. Swimming anchor for Armour was Pearson, famed engineer free styler. Despite a last lap sprint by Whitney, the Cat anchorman, Ramsay won by a stroke. This win gave the Darby state boys their fourteen point margin.

Dodge Wins 220

By winning the medley, the southerner's pet event, they jumped into a five point lead. Then Dodge and Mankus went to work in the 220 and splashed their way for a first and third respectively.

One of the highlights of the evening was the 100 yard free style event. This event saw Pearson and Dodge swimming for Armour; and Ramsay and Roberts, mainstays of

the Cat team, splashing for Kentucky. Pearson started off fast, and picked up an early lead. Then in the last lap, Roberts put on a sprint in an attempt to catch Whit. Both seemed to touch the edge at the same time, and after some controversy, it was decided to call the affair a dead heat.

Techawks Sweep Breast Stroke

The Techawks managed to sweep one event for eight points, and that was the breast stroke. Koos and Svagdis finished one, two to beat out David, manager of the team, despite a spirited last length stand on the part of the Kentucky lad. This win made the score 33-26 in favor of the boys from below the Mason-Dixon line. Then the relay team went out and snatched the meet for Kentucky.

Summary:

180 YARD MEDLEY RELAY—Won by Kentucky (Scott, David, and Ramsay). Time—1:48.9.
220 YARD FREE STYLE—Won by Dodge (A); Wymond (K), second; Mankus (A), third. Time—2:35.1.
40 YARD FREE STYLE—Won by Roberts (K); Pearson (A), second; Blume (A), third. Time—1:19.1.
FANCY DIVING—Won by Stephenson (K); Curtis (K), second; Blumberg (A), third.
100 YARD FREE STYLE—Pearson (A), and Roberts (K), tied for first; Ramsay (K), third. Time—:56.2.
100 YARD BREAST STROKE—Won by Koos (A); Svagdis (A), second; David (A), third. Time—1:13.8.
240 YARD FREE STYLE RELAY—Won by Kentucky (Hillenmeyer, Wymond, Roberts, Ramsay). Time—2:08.2.

STEAM SHOVEL—

(Continued from page two)

Village 9192—one beautiful lassie—just loves Armour boys—Ellen (Legs) Moore—inquire of "Masher" Matthews, "Amorous" Ellis, "Cuddler" Klein, "Torrid" Ther, "Killer" Kramer, "Odorous" Obergfeldt, "Guzzler" Guy and many, many others. All one needs is the phone number.

Two Jr. Mechs, Messrs. Hahn & Matson, have been having their eyes examined every Saturday morning. . . . It's O.K., fellows, occasionally we see double on Friday nights ourselves.

Cies and Sunde pulled a bloomer and dated a lovely voice over the phone. Urghh and phooie—no doubt 'twill be the last time for sight unseen romance—eh boys?

We hear of a dilemma—Ransel has to wait until his woman gets her grammar school diploma until marriage palava can be gotten around to. We've heard tell of cradle snatching, but. . . .

What's his excuse now? THOMAS "BIG EDITOR" HUNTER used to blame his constant attention to the secretaries on NEWS work.

If anyone wants a song just ask BOB "SONGBIRD" BARTUSEK. All he requests is that it be a solo with the Glee Club as a background. Have him sound his "A" for you, boys.

We hope that GEORGIE FROST was not taken in with the contract he showed to Mr. Larkin the other day. It was enough to make his face crimson when mention was made of it in class.

That master fireman, FRANK "SQUIRT" SLAVIN, kind of got his pants wet in squirt lab the other day when the coupling on the fire hose leaked. We'll bet it scared him a while.

Watch out, guys! "Phenomenal Patience" Potter is liable to lay an egg. Last Tuesday he was cackling like a hen in imitation of the screaming noise produced by a physics experiment. Hope it isn't catching!

"JONAH" JOHNSON challenges all model A's to a race—the Outer Drive, any afternoon—all wagers will be carefully considered. Warning—he's been whipping a '38 Buick rather consistently.

Hasta la vista amigos. The old scoop has turned over enough humus and has exposed enough crawling slugs.

One basketball game was played in the tournament last week, with the resulting scores: Sophs 25, Juniors 10.

Prof. Zimmerman's latest theory is that "if the acceleration of the hand and test tube is directly proportional to the angular velocity of the centrifuge, one may place the tube in the holder without changing the velocity of the machine." In his last demonstration he miscalculated. He starts Group III over tomorrow.

Manager Barnabee of the soph basketball team is advising the rest of the teams to quit now and avoid being massacred by McMacken and Co.

The junior co-op officers should be given a big hand. They have organized the class so that sweaters can be bought at the farewell affair to be held at the end of this term.

CO-OP NEWS

By H. F. Krantz

Henry Altenkamp was elected as president of the A group freshman co-ops by a large majority at their recent election. The runners-up, Chuck Rowbothan, Frank Carqueville and Lowen Schearer received the offices of vice-president, secretary and treasurer respectively.

Three dozen seniors in one room make about as much noise as is heard at a circus. It was competing with such racket that prompted Prof. Perry to make the following comment as he closed the door of 220 Chapin and studied the 2-2-0: "That number should be changed, for at least the next two hours, to Z-O-O."

F. I. Johnson, 2A, illuminated the classroom last week with a tie that must have had H+S bubbled through it. It would have put a cadmium precipitate to shame.

Labor discussions in Prof. Davey's class become near riots. Don't give up, Davey, your odds are only 45 to 1, all juniors.

Here's a Tech News scoop which even Carl Wilms, 5A, will be surprised to read. Last week Carl performed the test on the Ingersoll-Rand air compressor and spent a good deal of time and colors over the week-end on sketching the apparatus and writing the report. As luck had it, Ruhe got hold of the manuscript before Carl turned it in, and was so impressed by color sketches that he thought Carl must have had an inspiration over the week-end. Of course, Ruhe knew what it was immediately, but no credit was given to that "inspiration." To be just—give credit where credit is due—Ruhe added to the bottom of each sketch: "Technicolor Director—Charlotte Schaible."

Andy Anderson's jokes have been silenced by a heavy bombardment. When the smoke cleared away Andy, a junior, was heard to say that he would never want to live in a glass house.

Sophomore co-ops are now sporting their new jackets with a newly designed emblem. "Full Seat" Adams is not consistent. He had to have his taken in at the bottom.

One of the juniors, Fischer by name, has been wearing a snood in class. It promises to be a new co-op style.

One of the more difficult problems on Prof. Nottage's last air-conditioning quiz—drawing Nusselt's equation by dimensional analysis—was less difficult than might be suspected. It seems that an absent-minded senior studying for the exam had completely devised the equation on a side board and had forgotten to clean the slate. Ten minutes after the quiz started, the Prof. saw the derivation, but knowing that it was unintentionally left there, he ignored it rather than call it to the attention of those who hadn't noticed it. He probably did the right thing, too, because a good percentage of the class did not complete that problem.

"Search Warrant" Snyder, 2A, is greatly perplexed as to why the handles come off of the knives and forks when he washes them in hot water. He should ask Young who is a professional on such matters.

"Star" Staroba, the star bowler of the juniors, flopped last week and his team flopped with him when the senior bowlers, losing by 1 pin at the end of the second round, came up to win 2455 to 2360. Nigrelli, Hutchings, Schmall, Jones and Taylor were the victors with good scores for all five, while Gibney, Fitch, Cibera, Stuecheli, and Staroba were the victims. Cibera led the juniors with his unusually high 206 average, but Gibney and Staroba were off that day and cut down the effectiveness of the 206 games.



By Michael Kunz

Of the events that transpired in the chaotic state of European affairs during the past week, the swift and dramatic conclusion of the Russo-Finnish war was by far the most important. On Wednesday, March 13th, at 12 o'clock noon, Leningrad time, hostilities ceased on all sectors of the front.

Terms Brief

The terms of the armistice, in brief, ceded to the soviets all of the Karelian Isthmus, the city of Viipuri, the entire region in which the natural defense barriers that formed the now famous Mannerheim Line, and a thirty year lease of the island fortress of Hango. Essentially, all these concessions constituted approximately three times as much territory as was originally demanded by the Russians. Besides a trade agreement between the two countries, which is now in the process of being worked out, they signed another of those documents commonly referred to as a "non-aggression pact."

Opinion Divided

Some parts of the world hailed the latter peace terms as being fair and square; other quarters of the globe denounced them as harsh, stern, and unjust. The Finns, faced with the almost certain possibility that effective outside help would not be forthcoming, evidently realized that Russia's terms were the best they could expect under the circumstances. In fact if they had kept fighting alone their entire country would soon have been overrun.

In the light of recent history we have seen the conclusion of peace treaties whose terms were much more cruel and brutal to the defeated nation than those forced upon the Finns. It is the opinion of this writer that a mighty and powerful aggressor could have dictated an infinitely worse peace to a small and weaker victim.

Fought Bravely

Without much practical outside help, the Finns fought bravely for 105 days against the terrific onslaught of superior numbers. They stood their ground firmly, and at various instances the invader was forced to retreat after having suffered tremendous loss of life. Field Marshall Baron Gustav Mannerheim, commander-in-chief of Finland's fighting forces, was able to outwit Stalin's Red army commanders in almost every phase of the military campaign calling upon the best strategy and ingenuity. Finland's heroic defense will probably be recorded among the most valiant in the annals of history.

Outside Appeal

Realizing the tough spot they were in, the Finns appealed for outside help. During the earlier stages of the war Sweden was asked to join in the cause against Soviet aggression. The assistance rendered by the Swedes consisted of money, supplies, and several thousand volunteer fighters. Other Scandinavian nations contributed similar help of a non-military nature, as did the United States.

In the meantime Britain and France were organizing volunteers to be sent to Finland should the Finns ask for them. The allies had already sent munitions and an undetermined number of war planes in an effort to prolong the war. Germany kept completely aloof, but threatened to enter on the side of the Russians if the allies provided more aid to the Finns than what the Germans termed "the antiquated museum pieces our enemies refer to as military aircraft."

Why Not Britain and France

Why, we may ask, didn't the powerful British and French empires help little Finland halt aggression, in view of their war aims which purportedly are to safeguard the territorial integrity of small nations? In as much as Russia had already trampled upon British foreign policy by gobbling up half of Poland, a nation whose independence England "guaranteed" and for the restoration of which she was now fighting the Germans, why didn't England declare war on Russia?

It would have been to the Allies' advantage if the war against Germany were spread over as many fronts as possible. Perhaps the Siegfried Line, for which they seem to have

(Continued on page six)

Carl Van Doren Calls Attention To Imagination

Dr. Carl Van Doren, a silver-haired man with a well-tanned face filled with character and experience, was the lecturer at the assembly last Friday. After surveying us from a pair of kindly eyes that seemed to see beyond us as well, he proceeded to speak on "The American Imagination." "Armour has been highly recommended to me time after time by my friend Franklin P. Adams, who claims he has a perfect record



Carl Van Doren

here," he said. (An investigation revealed that Mr. Adams, the F. P. A. of "Information Please," graduated from Armour in 1899 with a straight "A" record.)

An eminent author and literary critic, whose biography of Jonathan Swift is a classic, Carl Van Doren has long studied the American people from a human interest, as well as a psychological, point of view. His lecture summarized his observations, many of which seemed quite close to home.

"Man is the only animal with an imagination," he said. A hungry animal will instinctively look for food in his own manner and, should he not find it, he will simply grow weaker and weaker, and finally die. A human being, on the other hand, will begin

(Continued on page six)

Cleveland Presents Talk to Physicists On Raman Spectra

Latest information on Raman Lines research was revealed by Forrest F. Cleveland in a talk at the University of Chicago March 6th. By means of a new method of measuring the depolarization of Raman lines, which was developed by the speaker and Maurice J. Murray, Dr. Cleveland has been able to study the frequencies of certain modes of vibration within the molecule which heretofore have received scant attention because of the difficulty and expense involved.

Expounds Theory

Dr. Cleveland divided his discussion into several main parts, explaining first the Raman Effect itself. Sir C. V. Raman discovered, in 1928, that light scattered at right angles to the incident beam, contains not only the incident wave lengths, but also other longer and shorter wave lengths of small intensity. The resulting spectrogram is valuable in discerning the molecular structure of the medium by which the light has been refracted.

Following this with a discussion of the Depolarization Factor, Professor Cleveland proceeded to expound the general essence of the depolarization factor, and, more particularly, the mathematical background for its development. He reached the conclusion that the depolarization measurements are of exceptional value in the determination of the type of vibration to which a given frequency corresponds.

Reflected Beams Investigated

The empirical aspect in the consideration of Raman lines was then investigated as to the probability of reflected beams resulting in right angle polarization, to the consideration of the agents necessary for the production of such results. Dr. Cleveland then continued in analytical fashion to analyze the molecular structure in which the effect of depolarization of Raman lines was most likely to be found. The professor colored his lecture with particular instances, with tabulations and analyses of carbon dioxide, carbon disulfide, nitrogen dioxide, and similarly allied compounds.

GRADUATE SCHOOL—

(Continued from page one)
motion studies, E. Hurwitz of Chicago's Sanitary District, J. S. Monell of the Universal Oil Products Co., Stephen P. Timoshenko of Stanford, and John I. Yellot of Stevens Institute.

Four Week Summer Sessions

The summer session will consist of three four-week terms, the first extending from June 17 to July 13, the second from July 15 to August 10 and the third from August 12 to September 7. The typical course will meet an equivalent of two hours lecture daily (including Saturdays) for four weeks. The student will carry only one course for credit during each period of four weeks. However, a student enrolled for credit in one course will be permitted to visit the lectures of a second course upon the payment of an auditor's fee of ten dollars.

Graduate Institute New

As stated before, the Summer Graduate Institute constitutes a momentous epoch in the history of Armour and preparations for the coming terms have been very extensive. L. E. Grinter, Vice President of Armour Institute and Dean of the Graduate division, announces that every step has been undertaken to publicize the graduate school's undertaking. Over 20,000 folders, containing details of the courses offered, have been sent to universities, graduate students, professors and professional men.

Advantages Definite

The average undergraduate may perhaps wonder just what all this may mean to him. The advantages the school as a whole will receive are obvious. First, there will be the publicity. What with the new summer, graduate school and the coming merger with Lewis Institute, Armour will become one of the outstanding technological centers in the country. Also, our own staff, in contact with so many distinguished teachers, will be influenced and the result will probably be new ideas and methods for teaching undergraduate students. To the graduating senior the summer graduate courses represent a real opportunity. Before stepping into industry he may better his chances for a better position by a term or more of advanced graduate study.

Engineer's Journal Features Paper by Armour Professor

A paper, "The Simple Replacement Problem (A Method of Presenting it to Students)," by Prof. E. H. Freeman, appears in the March issue of Journal of Engineering Education. An understanding of the values to be used in a replacement problem appears to be rather difficult for students of engineering economy. Prof. Freeman's approach to the subject is offered as one means of promoting a clear conception of the values involved. The problem is first considered in a numerical example and then in a more general statement in an algebraic form.

The problem of replacement first occurred to Prof. Freeman about 15 years ago, while he was employed by the Bell Telephone Company.

Dr. Hayakawa Talks to N.A.P.S.

At the Hotel Roosevelt in New York, Dr. S. I. Hayakawa, instructor of English at Armour, spoke to a convention of the National Association of Private Schools, on March 1. Dr. Hayakawa spoke to the English Section of the Secondary Education Board, including an audience of about 150 teachers and principals.

Linguistics Explained

Dr. Hayakawa's subject concerned "Linguistics and General Semantics as Applied to the Teaching of English." He explained in detail before the group, the manner in which he is now using linguistics and general semantics in the teaching of English 101 here at Armour.

While in New York, Dr. Hayakawa held consultations with Harcourt, Brace, and Company, well known publishers. They are planning to publish in book form his *Language in Action*, revised and supplemented.

In his English 101 classes, Dr. Hayakawa has been using *Language in Action* in pamphlet form, as a text book.

Senior Chems Tour Sherwin Williams Plant

Clad in old clothes and covered with paint, 45 senior chemical engineers toured the Sherwin-Williams paint factory at 120th and Cottage Grove last Tuesday. This plant inspection was a part of the regular chemical course and was pronounced the most successful to date by Dr. R. E. Peck who, with Dr. R. C. Kinter, conducted the visit.

Departments Explained

Viewed by the class were the white lead and the dry colors plants along with the buildings where intermediate dyes are prepared. Some of the boys were taken through the printing-ink department. All the workers in the latter department could easily be identified by their coloring, those working with blue ink being covered from head to foot completely with blue ink, and those in the red ink department being thoroughly camouflaged with red ink.

Accompanied by Dr. W. L. Wasely of the Institute, the Armour faculty staff alone toured the newly-completed lacquer division. It is considered the most modern in the world, as most of the operations are carried on automatically. All the chemical reactions taking place in the 1,000 or 700 gallons reactors are conducted completely in carbon dioxide to prevent oxidation.

Heald To Speak At Commerce Dinner

Today, March 20, President Heald will be the guest speaker at the regular meeting of the Ways and Means Committee of the Association of Commerce of Chicago. His subject will be "What Technology Does for Chicago." Several members of the faculty and a number of representative students will be present also. The group will meet in the Red Lacquer Room of the Palmer House.

EXTRA MILDNESS

EXTRA COOLNESS

EXTRA FLAVOR

WITH SLOWER-BURNING

Camels

CAMEL

TURKISH & DOMESTIC BLEND CIGARETTES

Senior Electricals Meet Law's Long Arm at G.E. Tour

Last Tuesday afternoon, the Senior Electrical Engineers went on a field trip to the General Electric Company's X-Ray plant. The group of forty, led by Professor E. H. Freeman, was escorted through the plant by guides, viewing electrical apparatus for over two hours.

This field trip was one of the regular Tuesday trips that the senior electricals have been taking to points of interest to Electricals, in Chicago. In past trips, the group has visited the Museum of Science and Industry, Underwriter's Laboratory, Bell Telephone Co., and Commonwealth Edison Company.

G. E. Trip a Success

The latest trip, to General Electric, had been a success, until the boys left the plant to return home. At this point, several of the boys who had cars found they were the recipients of parking tickets, due to a combination of a parking regulation and a hard boiled policeman. Today the city is 2 dollars per man richer since these men visited the traffic court.

JUNIOR FORMAL—

(Continued from page one)

Esquires are experts in furnishing both swing, sweet and novelty numbers, for they have had extended engagements from coast to coast, including an eighteen month's stay at the Palmer House.

As announced on the very formal parchment and gold bid, the Junior Formal will start at 8:30 and last until 2 o'clock. The dinner, a nine course affair aimed by broiled chicken, will be served from 9 until 10 o'clock. Arrangements have been made for the service of Lake Superior trout, and upon notification of the committee, this change in the menu can be obtained.

Tables Reserved

All but six tables of the 44 available have been reserved. Although all of the ring-side tables have been reserved, the remaining tables are conveniently located near both floor and service entrance. Reservations for these few tables can be made today at 11 o'clock in the Student Union lobby by remitting half the price of the \$5.50 bid. Although each table seats four couples, "free lance" parties will be arranged so that a jovial and enjoyable time will be had.

SIDELINES—

(Continued from page five)

so much respect, could have been outflanked if the theatre of military action was transferred to the Scandinavian countries. At the same time, shipments of valuable iron ore from Sweden to Germany could have been curtailed, thus hampering munitions production in Germany and strengthening the blockade. Many prominent Englishmen including Leslie Hoare-Belisha, former war minister, advocated such action, but they were not heeded.

My opinion as to why this action was not taken by the Allies is based on the following facts:

Opinions Cited

- (1) In order to get to the fighting front it would have been necessary to transport men and supplies through dangerous submarine and mine infested waters.
- (2) The Allies were never too eager to become embroiled in a war with Russia. They have their hands full with Germany alone.
- (3) They were unwilling to risk a major defeat in the north, since such a defeat would have had disastrous effects upon their efforts to lick the Germans in the west.

Finns and Allies Lose

Thus it appears that not only have the Finns lost, but the Allies have too, even though the latter's loss consisted mostly of opportunity and prestige. Stalin paid dearly for his meager "victory" over the hapless Finns. Hitler therefore remains as the only winner. With the termination of this war, the danger to Germany's northern frontier is now eclipsed. After this major diplomatic and political defeat, which has been one of the many England has been suffering at the hands of the Germans lately, it is now up to the Allies to make the next move.

POWER CONFERENCE—

(Continued from page one)

R. Sidler in the next conference group. Mr. Sidler is the Resident Engineer of Brown, Boveri and Co. of Baden, Switzerland.

At 12:15 a joint luncheon will be held with the A.S.M.E. at which the speaker will be Dale F. Reese, vice-president of the Hartford Steam Boiler Inspection and Insurance Co.

On Tuesday afternoon a number of small conference groups will convene. The forum on small power plants will include papers on Diesel units by Herbert W. Dow of the Nordberg Mfg. Co. and "Maintaining the Optimum in Steam Generator Efficiency" by Parker A. Moe of the International Harvester Company.

Two Groups Wednesday

Two conference groups will meet on Wednesday morning. Fuel problems of power plants will be the theme of one group which will be conducted by J. C. Peebles. The other group will discuss hydro power and will consider hydro plants and dams. At noon a joint luncheon will be held with the A.I.E.E. with A. J. Krupyas as chairman and L. W. W. Morrow as speaker. In the afternoon, an inspection tour of the Electro-Motive Corp. plant will be held.

The highlight of the conference will be the "All Engineers" Dinner on Tuesday at 6:45 P.M. The toastmaster will be Alex D. Bailey, the Chief Operating Engineer of the Commonwealth Edison Co. The speakers will be F. Malcolm Farmer, President of the American Institute of Electrical Engineers and James W. Parker, vice-president of the American Society of Mechanical Engineers.

Smoker to End Meeting

The final touch to the convention will be the holding of a smoker on Wednesday evening at 8:00. Entertainment will include an illustrated story of the power features of the Snow Cruiser and its trip to Boston. Dr. Thomas C. Poulter, Director of the Armour Research Foundation, who supervised the design of the Cruiser and went with it to the Antarctic Continent, is expected to be present at the Smoker.

There will be an Applied Mechanics Colloquium in room 2W, Student Union, this afternoon at 4 p.m. Professor Marin will speak on "Creep of Metals" to both graduates and undergraduates.

CARL VAN DOREN—

(Continued from page five)

to wonder why he cannot get food, should his search meet frustration, and his imagination will supply an answer which depends upon the kind of individual he is. One person will surmise himself the victim of an immense plot to keep food from him, for instance.

Those Tall Texans

As illustrations of the American imagination, Mr. Van Doren spoke of the men who had the idea that all Texans were at least six feet tall, and, being a Texan himself, considered himself that tall, although he had never been measured; also of the man who, after his wife had left him, and he felt apparently better, went after her and her abductor, killed them, and was imprisoned, "just because he wanted to make life in Texas resemble life in Troy."

Carl Van Doren also called attention to the change that has unconsciously taken place in the cartoons of Uncle Sam, during the past sixty years. "He looked more like a horse-trader then," said he, "with a sharp-eyed, angular face, and odd clothes. In today's cartoons, he has become more bland and polished." That the American mind seems to have changed accordingly, is Mr. Van Doren's observation.

Scarab Sees Movies on Swedish Advances with Architecture

Scarab, the professional, honorary architectural fraternity, held a supper-meeting at Lindquist's Restaurant last Friday night. Attended by members, alumni, and faculty, the dinner was held in the fraternity's traditional Swedish style with J. Lindahl, '39, showing his movies of Swedish modern architecture taken on a recent trip abroad. George Storz, Edward Center, and Robert Schneider were pledged, and the new officers were presented.

The new president is George Dickel, the vice president is Robert O'Brien, the secretary is Leonard Reinke, the treasurer is Daniel Miller, the sergeant-at-arms is Charles Kulieke, and the chairman of activities is Ludwig Blumberg.

Scholastic record, excellence in architectural subjects, and future chances in the profession are all criteria for membership in the Scarab fraternity.

NOTTAGE—

(Continued from page one)

Mr. Nottage, summarizes the results of one phase of the study to the present date. The work was undertaken to determine a basis of point-by-point evaluation of the dynamic and thermal state of water drops under different sets of operating conditions in energy transfer equipment. By integrating the equation of motion with a variable air resistance force, a generalized temperature-time correlation for evaporative cooling systems, and applying certain criteria having to do with the determination of stable drop sizes corresponding to different conditions of drop formation, an extensive and complete set of tables and curves has been compiled, illustrating velocity-time-space data.

Goal to Guide Performance

The ultimate goal of this and related investigations is to present data which will guide the interpretation of performance studies of existing equipment and which will allow the execution of penetrating design of such systems in terms of the predetermined behavior of the small but discreet component systems within the complete unit whose superimposed behavior ultimately governs the microscopic performance of the integral system. These component systems are: drops, jets, sheets, and wetted packing of various forms.

The purpose of the Colloquium is to bring about an exchange of ideas between members of the faculty and advanced students, and to stimulate

AVERAGES—

(Continued from page one)

Eta Kappa Nu	2.15
Chi Epsilon	2.22
Phi Lambda Upsilon	2.54
Salamander	2.31
Sphinx	1.99
Pi Nu Epsilon	1.83

Professional Fraternities

Scarab	1.75
Alpha Chi Sigma	1.96
Rho Epsilon	1.70

Social Fraternities

Phi Kappa Sigma	1.34
Delta Tau Delta	1.66
Theta Xi	1.59
Alpha Sigma Phi	1.64
Rho Delta Rho	1.62
Sigma Alpha Mu	2.06
Triangle	1.78
Pi Kappa Phi	1.52

In the above averages the following numerical values were given to letter grades: A, 3 grade points; B, 2 grade points; C, 1 grade point; D, 0 grade points; and E, 0 grade points. Each credit from another school was given one grade point if the student's standing at Armour was below two grade points, 1.5 grade points if more than two, and two grade points if scholastic standing was equal to or greater than 2.5.

In addition, this grade point value is multiplied by the number hours credit given to the course. These results are totaled and then divided by the total number of credit hours taken.

Camera Club Picks Three Photographs From Salon Display

Last Friday night, the Camera Club held its first salon for this semester. Previous to the judging of the salon the members were addressed by Mr. Robert Wells, on the subject of color photography. Mr. Wells's non-technical talk was illustrated by slides which showed many of the tricks of this phase of photography.

At the judging of the salon, Robert Zelin print was selected as the best, the decision being based on composition, subject matter and lighting effects. The runners-up, Jack Wagner and H. M. Hammond, were awarded second and third places respectively.

The renovation of the Club's suite of rooms will be finished next week when they are to receive new studio backgrounds. At a previous meeting of the organization, it was decided to purchase a new Omega 2 1/4 miniature enlarger, which will complete the modernization of the dark room.

Jack Zelin's blue ribbon photograph was entitled "Overhall," while the entry which was submitted by Jack Wagner was a picture of a "Dismal Swamp." The third prize award was given to H. M. Hammond for his hanging which bore the title "Hill-top."

March 29
Bal Tabarin
Hotel Sherman

Junior Formal Dinner Dance

☆ Ken Leighton
☆ Four Esquires

8:30 to 2:00 - \$5.50

The Only Combination of its kind



The Hill Sisters Queens of Basketball

Marjorie, Isabel, Ruth, Betty and Helene of W. Hempstead, L. I., coached by their father, have won 80 out of 84 games... a combination that you can't match anywhere.

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COOLER-SMOKING
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