



Armour Tech News



Vol. XI No. 4

Armour Institute of Technology, Chicago, Illinois

Tuesday, March 7, 1933

ADDRESS GIVEN ON ART OF PREDICTING BUSINESS CHANGES

Mr. K. W. Jappe Shows Cause and Effect On Business

VALUABLE NOTES GIVEN

"Business Forecasting, Its Possibilities and Limitations" was the subject of a very interesting and educational talk delivered by Mr. K. W. Jappe of the James O. McKinsey and Company Friday morning in the Assembly Hall.

Mr. Jappe's talk was divided into three major divisions: the concept of long-time growth, the business cycle, and the determinants of the business trend.

Business Always Comes Back

The first principle of business forecasting is, "business always comes back." Using the production of pig iron as his illustration, Mr. Jappe showed that although there were periods of greatly decreased production there always came a following period of prosperity.

The length and occurrence of these business cycles have been determined. The minor cycle has been found to be of from three to four years while the major cycles, which include two or three minor cycles, appear every 7 to 11 years. He cited the editorial appearing in the London Times in 1885 and because it can be readily applied today as it was at that time it has been reprinted in full in the editorial columns of this issue.

Change Is Normal Thing

The causes of these cycles of business depression can not be exactly determined. A change is the normal thing. Human nature itself will not permit everything to go on at exactly the same level for any length of time.

The workings of the credit system is an important factor to consider. Credit makes it possible to spend future income. By buying stocks on margin approximately four times the volume can be obtained. The working man has not been taught in school that booms are not permanent. He will buy stocks that are rapidly rising in the market, on credit, which he can easily obtain. Then he will

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Armour Players to Present New Play

The Armour Players, in connection with this regular program for the year as announced in a previous issue of the News, will present a one act play Friday, April 7, in the assembly hall at 10:30.

Harold Menger, the producer, and Professor Hendricks, the director, have selected a suitable play the name of which they are holding in reserve in a truly dramatic fashion. Parts have already been distributed, and the players are hard at work on the production.

A meeting of those in charge of the stage properties will be held in the assembly hall tomorrow night at five o'clock, and any students interested in working on the scenery are welcome to attend. W. W. Davies is president of the Armour Players.

Freshmen will be excused from their classes to attend the play.

Haggander Speaks to W.S.E. on Supervision

Mr. G. A. Haggander, C.E. '07, chief bridge engineer of the Burlington Railroad addressed the Armour branch of the Western Society of Engineers last Friday. The civils were greatly pleased with his talk, which gave them an intimate view of some phases of their future work.

Mr. Haggander discussed the engineers part in the supervision of bridge repairs and construction. He also explained the use of electric-arc welding in bridge repairs, a very recent development in this work.

\$ An Appeal For An Appellation \$ or Who Wants Five Bucks

Come on, Armourites! Your big chance is here at last. The News is going to make a raid on the gold supply of the U. S. to the extent of five bucks, which seems a lot of money in our present financial condition. Armour needs a nickname, and the Tech student who submits one as suitable as Purdue's "Boilermakers" or Northwestern's "Wildcats" will receive five dollars. In times like these, a fin is a fin and not to be sneezed at, so sharpen up your pencils and get going.

The names submitted should preferably be one that can be applied to the entire student body, such as the Kansas "Jayhawkers". However, a good name that is only applicable to the athletic teams will be much better than none at all.

All entries will be numbered and given to the judges who will not know the names of the contestants. The judging committee will be composed of three professors and two students. Professors Heald, Hendricks and Schrammer are the faculty members and E. W. Carlstrom and W. W. Davids are the students. Entries must be in the hands of the News staff before 5 p. m. Thursday, March 23.

Salamander Presents Award to Wheaton

On Thursday, March 2, members of the Fine Production Engineering Society attended an annual smoker held at Theta Xi house. This meeting is held in order that members of the department may become better acquainted with one another, thus bringing about cooperation in all undertakings of the fine production department.

At the meeting a presentation of a fine production handbook was made by Carl M. Clinton, president of Salamander, honorary Fine Production Society, to George Wheaton for general excellence in scholarship. This award is made every year by Salamander to the member having the highest average of the freshman class. Wheaton had an average of 95.1 but was ably followed by several of his classmates.

In addition to bridge playing and the rolling of "bones" for stage money, a very interesting and entertaining act of magic was performed by Professor M. M. Maathack, a professional magician. The magician performed several very unbelievable tricks such as making a cigarette rise out of a bottle without any visible assistance, the changing of the spots

(Continued on page 4)

Reception Held for President Hotchkiss

Thursday evening, March 9, the Armour Architectural Society will hold a reception and smoker for President Hotchkiss in the Mather Tea Room at the Art Institute, Dean Penn, Professor Heald, and the faculty of the architectural department were invited and are expected to be present. Many surprises of interest and enjoyment will be there to await them. A large number of the members of the society are also expected to attend.

The main topic for the occasion will be an illustrated lecture on color and design given by Albert H. Krebiel, professor of frehand drawing. This subject will be of particular interest to the students of the architectural department.

Not only will there be plenty of smokes and refreshments for everyone, but also, amusing and novel entertainment will be staged by individual classes.

The affair is under the direction of Ted Irion, massier of the society, and Willfred Davies, son-massier.

TRIBUNE TOWER VISITED

Last Friday, March 3, a group of senior fire protectors, accompanied by Mr. Norway and Professor Holmes, made an inspection trip to Tribune Tower. The press rooms and the various means for the prevention of fire in the building were studied.

RULES

1. A distinctive name is required, preferably one that can be applied to the entire student body, although a good name applicable only to the teams will be acceptable.
2. The contest is open to all students and faculty members of the Armour Institute of Technology.
3. Members of the News staff are not eligible to compete.
4. Entries must be signed and placed in a sealed envelope addressed to the Contest Editor. The envelope should be dropped in the News box next to the elevator shaft in the Main Building or in the one in the book store.
5. If the winning name has been submitted by more than one person, the prize will be awarded to the one whose entry was received first.
6. All entries must be put in box before 5 p. m., Thursday, March 23.
7. The entries will be numbered and delivered to the judges. The names of the contestants will not be known to them.
8. The winning entry and its contributor will be announced in the issue of the News on March 28.

Engineer Out Monday; Six Feature Articles

The March issue of "The Armour Engineer" will be distributed next Monday, March 13th, it was announced by the editor-in-chief, Herbert Kreissman.

Six feature articles, intended to be of interest to the entire student body, are to be contained in this number. Two of these articles were written by Armour graduates, these being "The Ogden Avenue Improvement" by Benjamin P. Morrison and "Economic Stability, Dullness or Future Possibility" by E. S. Kendrick. Norman B. Callum, Jr., is the author of "Illinois Central Lake Front Development" and William W. Lounge is the writer of the other student article, "True Color Rendering." The remaining articles are "Stainless Steel for Industry" by S. L. Ingersoll and "Memory Arc Rectifiers for a 250 Volt Direct-Current Power Supply" by C. A. Bucher.

Two new features are to be present in the March issue. One of these is the addition of sports review and the other the introduction of an alumni section.

Magician Performs At A. I. E. E. Smoker

Slight of hand tricks performed by a magician, smokes, bridge, and pinocle were the sources of amusement at the Armour branch of the A. I. E. E. smoker, held last Thursday night, March 2. The Truax Club, located at 3403 S. Michigan Boulevard was the place of the enjoyable meeting.

Senior Mechanicals Smeared as They Produce New Parlor Sport

Certain senior mechanicals emerged last Thursday from a strenuous research session to announce the discovery of an entirely new parlor game called push o' war. A thunderous crash announcing the birth of the inspiration which was to culminate in this remarkable achievement took the budding engineers so completely by surprise that one of them was pinned firmly between two adjacent tables in the lunchroom before he could move a step, while his lunch, alas, was strewn to the four wide winds.

Finding that their table had lost all feeling for the proprietors and was performing a step and glide waltz under their very noses, the senior mechanicals rose nobly to the occasion, took a firm grip on their possessions and plunged vigorously into an investigation of the very unnatural phenomena at the root of this upheaval. They resisted with all

Students who are going to take the condition examination in mechanism from two to four o'clock Wednesday, March 8, should see Professor Swineford.

Musical Clubs at Evanston Mar. 5

The glee club has now made its third appearance outside the Institute. Together with the orchestra, they presented a concert at the North Shore Hotel in Evanston last Sunday evening. A large audience was present, showing the interest evident in the glee club's activities.

The members of the two musical organizations gathered at the hotel at 4:00 p. m. A last rehearsal was then conducted, after which dinner was served. The concert began at 7:30 p. m. and lasted approximately one hour and a half.

There remain at least two, and possibly more public concerts to be given by the musical clubs this semester. One appearance will be the home concert given in May upon which plans will be started soon. The other, however, will be given on the evening of Friday, March 17, at the Belmont Hotel. The Alumni Association of the Chicago Teacher's College which is sponsoring the dance following the concert has graciously allowed the musical club members to stay for the dancing. Any other students who may wish to attend the dance are cordially welcomed, and may obtain tickets for fifty cents.

The public appearances furnish a valuable respite for the musical club members from their studies, and add an objective to their work.

The glee club and orchestra have embellished their rehearsals lately by the preparation of a few electrical recordings. The transcriptions to date consist of "Song of Fellowship," "Out of the Dusk to You," "Armour Fight Song," "Trumpeter," and "Finlandia," the latter three being on one record which will be available some time this week. The record may be obtained at the supply store for one dollar and fifty cents. Mr. Erickson, the director, plans to have a few more records made at some future date.

Reports of Freshmen Sent to High Schools

The office has been busy for the past week sending out records of grades to the various high schools in the state. The institutions belonging to the North Central Association of Colleges and Secondary Schools are collaborating in sending out reports of the freshmen to the individual high schools from which each freshman graduated, in an effort to show the relative degree of success of students from all secondary school members and all higher institution members. The reports will be so tabulated as to reflect the procedure and practices of the Institute in the admission of students.

FIFTH ANNUAL INVITATIONAL INDOOR TRACK AND RELAY CARNIVAL TO BE MARCH 18

Strongest Teams of Leading Colleges and Universities of the Middle West to Be Entered in Meet

PEP MEETING IN ASSEMBLY THURSDAY

There will be a pep assembly Thursday morning at eleven-thirty in the assembly hall in preparation for the Armour Tech Relays.

One week from this coming Saturday evening, March 18, the Fifth Annual Invitational Armour Tech Indoor Track and Relay Carnival will be staged in the University of Chicago's spacious new field house. Although last year's meet was the greatest success of previous meets, this fifth edition of Armour's Indoor Relay Carnival is expected to surpass in every way previous relays.

Events Listed

Last spring the Armour Relays were divided into two divisions for the first time. These sections were called the university section and college section. This division was

Band Chosen for Frosh-Soph Hop

Jack Chapman and his orchestra, modern masters of melody, have been selected by the social committees of the freshman and sophomore classes to furnish the music at the dance to be given by the underclassmen, March 21.

Jack Chapman's orchestra is one of the most popular orchestras in the middle west, and at present is heard daily over the radio. Those who attended the freshman-sophomore dance last year, will remember the wonderful music that Jack Chapman furnished, his popularity with the engineers at that time being an important factor in his selection this year.

The scene of the dance is the Medtrah Athletic Club, which is noted for its beautiful dance floor, artistic balconies, and spacious lounges.

John J. Ahern, social chairman of the sophomore class, and I. N. Hughes, social chairman of the freshman class promise something decidedly new and different in the bids for the dance. In keeping with the times, the bids will sell for two dollars, a reduction in price over those of last year. They will be offered for sale in the near future.

Advanced Calculus Taught by V. B. Teach.

The differential equation class which the Mathematics Department offers to advanced undergraduates and graduates, is proving to be very popular this semester. The class consists of more than thirty students who represent every department in the Institute.

Professor Teach, who is directing the work, is cooperating with the engineering departments to make the course of more value to the engineer than these classes usually are. He is also endeavoring to make it of a practical nature and to give sufficient ground work in the theory so that the students will have a comprehensive understanding of the subject. This semester he intends to give the foundation of the network theory, and to extend the work well into the Heaviside operational calculus.

ALPHA CHI SIGMA

The professional chapter of Alpha Chi Sigma will meet March 7 at the Chicago Engineers Club, 314 S. Federal St. at half past six in the evening. Dr. W. C. Allee, professor of zoology at the University of Chicago will talk on "Unbalances in Nature." Dr. Allee is well known as a writer and lecturer.

made for the purpose of making the competition more even among the relay teams from the different schools which entered the meet. The same division is being made this year. In the university section the relay events will consist of a one mile relay and a two mile relay. In the college section the relay events will be the one mile relay, the two mile relay, and the sprint medley relays. Besides the relay events the program will have the usual individual events, the 70-yard dash, 70-yard high and low hurdles, 440 yard dash, 880 yard run, one mile, two mile, high jump, shot put, broad jump, and pole vault.

Strong Teams to Enter

Although no definite list of the colleges and universities which will compete in the meet could be obtained at the time of writing, the following schools have signified their intention of sending their track teams to the relays: Indiana University, Purdue University, University of Michigan, University of Illinois, Northwestern University, University of Chicago, University of Notre Dame, Marquette University, Michigan State, Wheaton College, Illinois State Normal, Pittsburgh State Teachers College of Pittsburgh, Kansas, Milwaukee State Teachers College, Lake Forest College, Thornton Junior College, Crane Junior College, North Central College, Holok College, Elmhurst College.

Big Ten Teams Expected

Indiana University's track team, which last year won the most points in the relays with such stars as Hornboetel, Brockmuth, and Fuqua competing for them is expected to be one of the strong teams in the meet again this year, even though Brockmuth and Hornboetel have been lost to the Hoosiers as a result of graduation. The Indiana track squad, however, will be pushed hard by the

(Continued on page 6)

Zieman to Address A.I.Ch.E. Meeting

Dr. Stephan A. Zieman, head of the physics and chemistry departments of De Paul University, will speak before the A. I. Ch. E. this Friday, March 10, at 10:30 a. m., on "Mendel and the Law of Heredity."

Mr. W. F. Henderson, chief chemist of the Viking Corporation, gave an illustrated talk before the organization last Friday, March 3, at 10:30 in the electrical lecture room, on the manufacture of viscose casings for sausages. After being introduced by Allen Helmick, the speaker first outlined briefly the history of sausage casings, which, he stated, are first mentioned in Homer's works, three thousand years ago. It was only recently, however, that a method for making a synthetic covering for sausages, so long needed in addition to the animal coverings used, was discovered and developed. This method, being used by the Viking Corporation, uses cellulose as a base, and entails various operations. Cellulose, in the form of cotton linters is the starting point. It is treated, "mercerized" with a 17% solution of sodium hydroxide. The product, alkali cellulose, is shredded and then made to react with carbon disulfide to give cellulose xanthate which is a very viscous solution, called because of its viscosity, viscose. The solution is ripened and then "cast" into the proper shape by neutralizing the sodium hydroxide with acid so that the cellulose is recovered and formed into the desired shape. This finished product is then washed, glycerinated to prevent cracking, and dried.

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Get In the Contest

Last week the *News* contained an editorial stating that it would run a contest for a name for the student body if the school wanted one. During the last week we have received so many favorable comments that we have decided such a contest will be well worth while. The rules are stated on the front page.

Armour has long felt the need for such a designation, some characterizing term than can be applied to the student body or to the athletic teams. Practically every school in the country has some term that it is known by. These names are woven into the hearts of the student and become a part of that elusive thing that makes a school the best in the world, that makes its teams invincible, that makes the student body the best bunch of fellows, at least in the minds of its students.

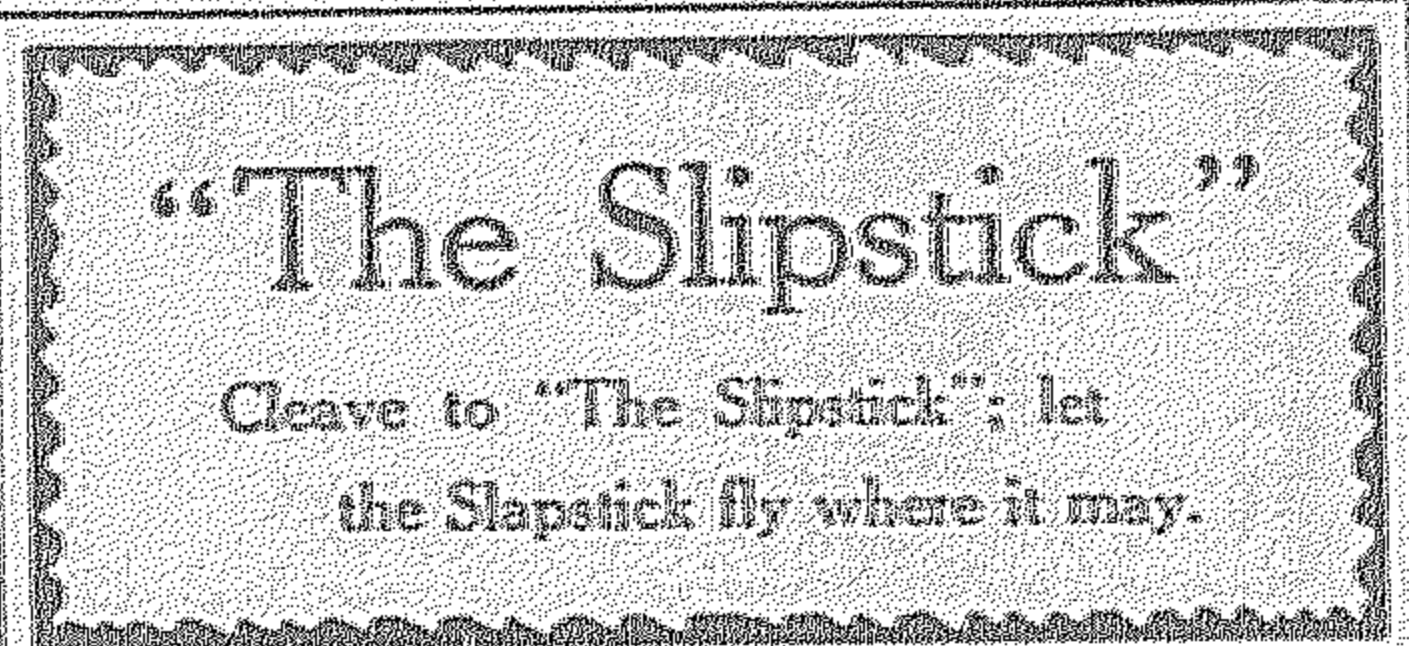
The *News* is offering five dollars for such a name. Every student should contribute his suggestion for the good of the school but the prize is an added incentive. Five dollars may not be a lot of money but we can think of no one that could not make use of it.

Every student and professor should send in his suggestion. The main thing is to get a name that is appropriate. The school needs one, the members of the student body and faculty should want one.

It Still Applies

London Times of May 14, 1844

About once in 10 years the British public finds itself worth several hundred millions less than it had supposed. Its estimate of its wealth had gradually risen to a climax too extravagant to last long, and then toppled over. At every such disappointment people make the reflection that they are at least the wiser for it, that they will not be taken in a second time, or, perhaps, that they will avail themselves of the next general infatuation and back out in time. Nevertheless, the next fit comes on them like the rest, and they go through all the stages of the disease with pathological accuracy. . . . The multitude are fleeced and plucked as they were 10 years ago, and 20 years ago, and 30 years ago, and 40 years ago. We may even go on and say 50 years and as it happens, 150 years ago, minus a year or two, when the South Sea Bubble burst. How is it, then, that people don't learn by experience? The answer is to be found in the individuality and peculiar circumstances of these successive delusions. Each one has such distinct characteristics that it cannot be identified with its predecessors, and can safely disclaim all acquaintance with them. Every delusion is monstrous when it is found out, and, till then, a marvelous discovery.



Whether or not this little verse is prophetic time alone can answer. It certainly can't be so with conditions as they are now; but everyone says that sooner or later (we would just as well see them sooner) the rattle of silver will be heard again instead of the dull jangling of copper. So let it be. Till then we will let the evil or the good be sufficient unto the day.

Then there was the girl who asked only that her mother might have a spin-in-hour.
Gentle Laundry
We don't tear your clothes by machinery; we do it carefully by hand.
Child: "Mother, what becomes of an automobile when it gets too old to run?"
Mother: "Why somebody sells it to your father, my child, for a used car as good as new."

MINUTE PHILOSOPHY
Fun in the hourglass—the olive you get the more it costs.
What the Lord doeth the lightning man cannot see.
All Jack and no work makes Whopper.
What Scotland needs is a good few and six of signs.
Dumbbell Poem
She sat on the steps at eventide,
Enjoying the balmy air;
He came and asked, "May I sit by your side?"
And she gave him a vacant stare.

Up-to-date
Instead of "Wine, women and song" it is now "Wine, Women and Sing-Sing."
Here's a little prayer that some of the campus cynics might find of some use—
"O God, if there is a God,
Save my soul,
From Hell,
If there is a Hell."

The other day a note was dropped on our desk by J. P. H., suggesting a new name for the Student body and Teams of Ye Olde Institute. It's something new, and almost correct. What do you think of calling yourselves this—
Armour Commuters
Then there was the "lucheron god" who wouldn't undress with the "Christian Observers" in the room.

MOTHER GOOSE UP-TO-DATE
Ten little speakasies running grand and plenty,
None were closed up, and then there were but twenty.
Twenty little speakasies keeping open late,
Nineteen were raided, then there were thirty eight.
Thirty-eight speakasies running bold and free,
Thirty-seven padlocked and now there are fourteen thousand seven hundred and three. (Including the original ten.)
—Mich. Tech. Lads.

While idly strolling around the Main building we saw a notice from the Math. Department dated February 23, 1934. They may be good and all that sort of thing; proving to you that 2 is equal to zero or some other absurdity and then telling you that you should have called their mistake; but when it comes to dating notices a whole year ahead, well that's stretching a point.

Fire Sale
"Shall we go to the fire sale?"
"What would I do with a fire?"
As far as we can discern all women fall into one of three classes
The Intellectual
The Beautiful
The Majority.

JUST FOOLING
You can fool some of the people some of the time, all the people part of the time, but you can't fool with women all the time.
We would tell you some more jokes, but what's the use, you would only laugh at them.
THE DEACON.

Armour to Be Host to Students at A. S. M. E. Annual Convention

Armour Institute will be host to the student group of the American Society of Mechanical Engineers in the middle western states when their annual convention falls due in Chicago, April 28 and 29. Engineering colleges in the middle states will pay the expenses of one delegate to the convention, though many more students will make the trip to participate in the various functions. The delegates will be lodged at Allerton House.

Harold Monger will head the Armour Institute welcoming and entertainment committee, the other members of his committee being Stanley Pihl, Paul Carlstone, William Hoffman, Robert Saman. A full measure of festivities are planned for the student delegates, and it is expected that the entertainment possibilities of our World's Fair city will be lauded upon the return of the representatives to their colleges.

A banquet in the Italian room of the Allerton House, to be followed by a dance, is planned for the night of April 28. At least seventy-five couples are expected to attend the function. In the course of the two day convention inspection trips will be made to several large industrial plants and also to the World's Fair grounds. Undoubtedly informal entertainment will fill in the hours for the A. S. M. E. delegates.

This is the first time in history of the Institute that Armour will be host to an A. S. M. E. convention. The imminence of the World's Fair which will literally make Chicago the Mecca of the world, is making Armour Institute a center of attraction from an engineering and educational point of view. Some time in the fall Armour will again be host—this time for the national convention of Pi Tau Sigma, honorary mechanical fraternity.

THEATRE

Opening on the 4th at 2:30 and continuing every Saturday afternoon through March the adventure of "Snow White and the Seven Dwarfs" will be shown at the Goodman Theatre. The version used is the same as the professional production put out a few years ago by Winthrop Ames and the scenery and costumes are designed by Virginia More Rediger, who is a direct descendant of Johann Grimm one of the authors of the original tale of "Snow White and the Seven Dwarfs." The play is directed by Charlotte B. Cherpensing who was the author of the biggest success of the year in the Children's Theatre, "Jack and the Beanstalk." Snow White is being played by Helen Rogers, who will be remembered as Becky Thatcher in "Tom Sawyer" which is just closing a successful run on the 25th of this month. This year the Children's Theatre has been attracting large numbers of both men and women who have passed the age of childhood but are still young at heart and thrill to watch a reproduction of stories they have long remembered and the many enthusiastic letters received from this part of the audience has shown that these plays are filling a real need in the city of Chicago.

"Pygmalion" by Bernard Shaw will open at the Goodman Theatre on March 13th, and continue the evenings of the 14th, 15th and 16th, with matinees on the 16th and 17th.

ARX NEWS

There seems to be a decided atmosphere of chattering in Arx camp of late. Consequently "niggers" will be much in demand when the seniors reel off their current projects, "An American Academy in Florence." Seniors also find their spare moments well filled with thoughts of border designs, steel, concrete, etc., etc. . . . Who said women?

Generally speaking, track in this man's school falls short in architect participants. This is being very strongly resisted by two Irish architects—BEJCEK and CONCOLINO—who have made themselves prominent in the high jump and pole vault respectively.

The class B. equisite, "A Religious Center," was given last Saturday to juniors and to sophomores. This memorable fourth not only inaugurated a new president but initiated the sopho to a Benzé Arts equisite. Good luck juniors and sopho!

And the frosh are kept busy on their composition renderings.

Roy EKROTH is exhibiting his famous pen and ink technique and fancy rendering on a friend's R.K.O. Bye the bye . . . have you learned that "EK's" femme is "KAY"?

Today is the rendu for the "Greek Temple" archeo with which many juniors have buried themselves of late.

This column wishes to pacify any enmity it has created between the seniors and the sopho. Catch on? EAGLE EYE.

LETTER BOX

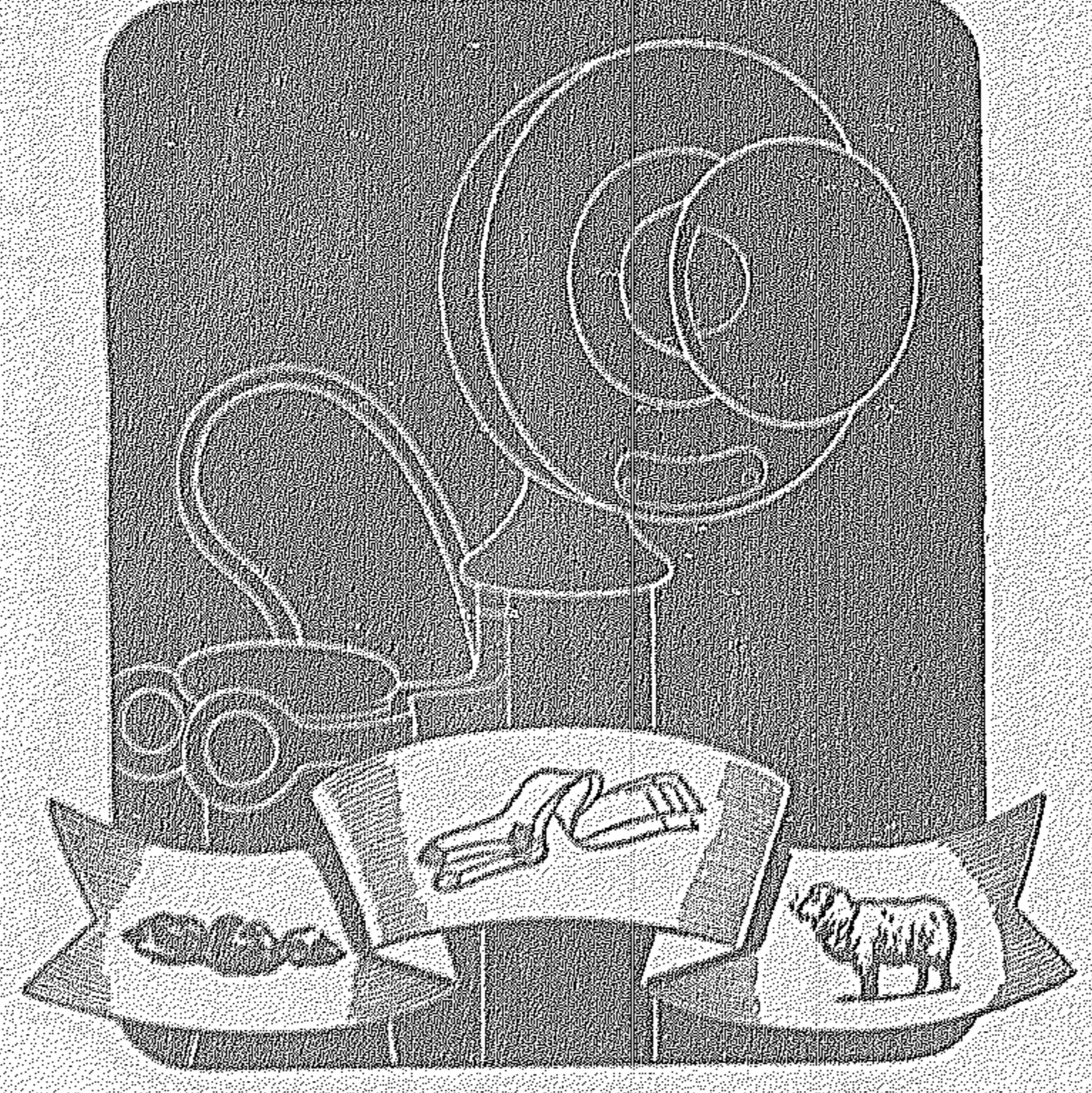
Editor:
I want to express my good wishes for the success of the contest which you are now running for the purpose of finding a suitable name to be associated with the athletic teams of the Institute. Since we are now getting more and more newspaper publicity, it is necessary that the Armour teams be known by some name that will be used to identify them.

In keeping with the new arrangement of school song, new and brighter colors, and general attitude that is now evolving at the school it is well to select a fitting name for our teams. Again, it is the custom of the American people to associate names with teams and to have their interest aroused because of these names. From both an advertising standpoint and the influence that a name such as you will select will have upon the school spirit, I wish to commend you for sponsoring a very worthwhile contest.
I. M. A.

Editor:
A name such as that suggested by the *News* would add much to the school. A cognomen such as this would help in distinguishing the Armour teams and organizations. With the universal activity of the musical organizations it is almost a necessity as they are before the public even more than the athletes.
W. W. L.

Editor:
The contest is an excellent idea, but let's make it distinctive and not copy a name familiarized by some other college.
I. A. K.

Of the University of Kentucky basketball squad, consisting of fifteen men, only four are under six feet in height.



Coal . . . silk stockings . . . meat —and the telephone

Keenly aware of the problems of business, large and small, Bell System commercial men are constantly devising special telephone plans to custom-fit service to the user's needs.

For example, a plan they worked out for a coal distributor helped him to contact 50% more dealers. A manufacturer, using a telephone selling plan, sold 700 dozen pairs of hosiery through one Long Distance call. A great meat packer handles complex sales and distribution problems efficiently with the aid of planned Long Distance and private wire services.

Systematic telephone plans are helping many users to build business—cut costs—handle collections—unify nationwide organizations—increase profits. And Bell System men are seeking still other ways to make the telephone more useful.

BELL SYSTEM



TELEPHONE HOME ONE NIGHT EACH WEEK . . . LOWEST RATES AFTER EIGHT-THIRTY

H. PENN TO TALK ON NEXT ARMOUR RADIO PROGRAM

There will be an exceptionally interesting series of radio programs presented during March by the Armour Institute of Technology over station WJJD. These programs are broadcast from 6 to 6:15 every Sunday evening and feature talks by important men in the field of engineering.

During March there will be talks by Mr. John R. Cantley, manager of the airplane wheel and brake division of the Bendix Aviation Corporation; Mr. Henry Penn of the American Institute of Steel Construction; Mr. J. C. Sanderson of Sargent and Lundy, consulting engineers; and Colonel Robert Isham Randolph, director of operation and maintenance, A Century of Progress Exhibition.

Sunday, March 5, Mr. Cantley discussed the developments which have been made in the landing gear of the airplane during the last five years and the effect this development has had upon the airplane industry. March 12, Mr. Penn will speak on the subject of the use of steel in home building. He will show the tremendous field which has been opened to the steel industry by this new use and also the improvements and innovations which can be worked into the home by the use of steel in its construction. Mr. Sanderson will speak on March 19 concerning electric power development and its effect upon both the practical and theoretical fields of engineering. March 26, Colonel Randolph will discuss the water supply system which is being installed on the World's Fair ground. He will show some of the difficulties incurred in planning the installation of a water supply system adequate to serve a temporary city of some thirty millions of inhabitants and how these difficulties are being overcome.

Schmier History Takes Its Final Bow, As Ray Marty Paints Ceiling

Last week it was related that after the disappearance of the lead slug which constituted the first schmier trophy, a jackass was modeled to become the second trophy. John E. Tarman organized a meeting of senior chemists to dispose of the white elephant, or rather Harold Hoebel's desk, and much to Herr Tarman's surprise and delight (?) was given the emblem himself. Unfortunately, sez Harold, Mr. Tarman seldom, if ever, wore the masterpiece of art. The depression was just beginning to make its long distance trip around the corner, and Mr. Tarman admitted being unable to keep even a light bodied jackass in oats.

Broken Flask is Trophy The next time the medal took the shape of a broken flask—the self-same flask so coveted by members of the future class of '33. Why so radical a change in design was effected, we don't know, but we surmise that a flask was expected to have less tendency to walk off than a jackass. At any rate for some time the flask was further prevented from walking by being confined in a case. It has now freedom now. And this year quite a few seniors have sported the '31 sport model on their vests. The '31 model is quite durable.

Marty Paints Ceiling The question now arises: What of the sophomore trophy? Well, last year Ray Marty, then a sophomore chemist, decided to show his partiality towards them by painting the ceiling of Organic Lab a brilliant benzaldehyde green. The fact that the date of the benzaldehyde experiment was not March 17 didn't bother Marty much. What's a date more or less in the life of Marty? The little

square of paint on the ceiling of the lab which is just a little off color attests to his ability as a color matcher and general painter. Following that experience Professor Freud spontaneously suggested that the inauguration of the present well known and well represented Sophomore Schmier Fraternity. And just as spontaneously the sophomore chemists suggested the jackass head pin which the seniors had previously abandoned; whereupon Harold, from his vast experience in such matters, obligingly cast them a likelike image—and at wholesale rates.

Facts Checked Having ascertained the facts so lengthily set forth, we proceeded to check their veracity. At the suggestion of Professor Bentley we called Joseph Dobson of '27 to see whether by chance there was a schmier award existent before the memorable year of '29—the year of Misogades' famous folly. Mr. Dobson was sure that his class had not been so honored, and immediately referred us to Charles Morris, '30, who would have accurate and certain information on the whole rumpus. And Mr. Morris will, we are sure, obligingly affirm that all herein written is "the whole truth and nothing but the truth." (No, he does not lip.)

Writer Profers Jackass In conclusion, therefore, we've got to admit that from the history of the schmier trophies (plural), the seniors have the edge in the way of tradition. But whether that makes their little emblem official depends on what the word official means. And we didn't say that we'd define the word; that wasn't in our contract. Personally we'd prefer to own the jackass head—because of political reasons.

REVIEWS

LIVING PHILOSOPHIES What are the great minds thinking? What goes on behind the foreheads of our best thinkers, scientists, and writers of today, who discover new planets, or measure the charge on the electron, or write books read by millions? These, the intellectual strong-men of today, have opinions worth listening to. They think well; that is part of their daily activity.

"Living Philosophies" is a collection of these conclusions written by twenty men and two women, each one presenting his "intimate credo"—those private personal ways of looking at life which we all have to some extent.

You may peep into the minds of Albert Einstein, H. G. Wells, Dr. R. A. Millikan, H. L. Mencken, Theodore Dreiser, and Sir James Jeans. You will be surprised to find some of your own ideas that you have half-felt, or others that you knew to be true. Again these great ones may rub your intellectual fur against its grain—but that is part of the sport.

As we read "Living Philosophies" we conceived the idea, like a true engineer, of making a survey. The program was to group three main topics on which all the contributors expressed an opinion: religion, morals, and politics.

Witness our results. On religion: three are orthodox; that is they are church members. Thirteen are agnostic, which can be defined to be anything but orthodox yet not definitely atheistic. This group, in other words was a dumping ground for the unclassifiable, the vague, and the sceptics. The remainder are atheistic.

On politics: six are explicitly in favor of present-day capitalistic society, believing that, imperfect as it might be, nothing better presents itself. Five are outspoken socialists; they possess a vision of a society which they vision to be better. Eleven are impossible to define.

On morals: each one has his or her own. To carry out the survey idea, one would be forced to count a single vote for Einstein morals, Wells morals, Dreiser morals. . . Anyhow that was too much trouble. Come a time in any good book review for a quotation. Here is this week's lucky winner: "The whole

Fraternity Notes

THETA XI Due to the fact that the Armour Relays will take place on the evening of March 18, the date of the Annual Hard Times Party has been changed to March 25.

Probation week has begun for the eligible pledge class. Formal initiation will take place on Saturday, March 11.

BETA PSI During the last few weeks, Bob Goldsborough, '30, and Al Jungels, '32, have been staying at the house. It is with great pleasure that we announce the initiation of the following men into our chapter: W. W. Burson, Ch. E., '34. K. E. Dunn, C. E., '36. J. A. Hazelton, E. E., '35. W. F. Kraemer, E. E., '36. C. A. Schnackle, Ch. E., '35. M. B. Stevens, F. P. E., '36. D. C. Timberlake, F. P. E., '36. D. E. Young, E. E., '35.

Once again the new members take up their scholastic activities after surviving the week of probation, which was topped off by the long awaited initiation. Congratulations fellows!

At a meeting held last Tuesday, it was decided that a dance be given in the honor of St. Patrick. Social chairman Wittelkindt promises a grand and rollicking time.

TRIANGLE Probation week began yesterday and will terminate at the formal initiation which will be at the chapter house Sunday afternoon, March 19.

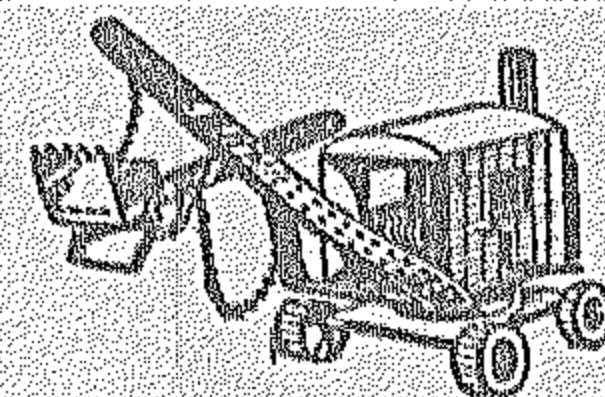
An alumni reunion and smoker has been planned for the Saturday evening, March 25.

A ping-pong match is scheduled with the S. K. D.'s for this evening. Any other fraternity wishing for a match should see anyone of the team which includes Lyford, Bodinson, McDonough and Coors.

discussion may be put very simply. I believe that it is better to know than to be ignorant. I believe that it is better to tell the truth than to lie. I believe that it is better to be free than to be a slave." H. L. Mencken is the party responsible for that.

We nominate it for framing and hanging on the old sitting-room wall. H. J. Monger.

THE STEAM SHOVEL



"Helpful Louie" D'Alba will hereafter take charge of the shades and windows at Pop Wilcox's lectures.

Bill Burson, stellar tankmen and junior schmier, cuts a fish dinner before every swimming meet. Nothing like getting acclimated.

DICK BERGER thinks the Glee Club can run the News—better. Well, when the staff want a vacation, we'll do the singing and let the warblers do the writing.

Ask IKE KRAWITZ whether he'd show the Americana Magazine to his best girl.

We recommend that Roy H. Wittelkindt try sleeping nights.

If the steam pipes aren't popping, the mice are. Chuck Tibbals' chemistry lectures should be very entertaining.

It is reported that GEORGE NELSON and TONY STASIULIS have both recently entered the state of annal bliss. No use trying to sue for libel, though, because the NEWS couldn't even afford to pay lawyer's fees.

It would seem that the Phyles and the English departments are combining forces. At least Guy Maurice Wilcox was reciting poetry in Physics lecture the other morning.

Henry Heald is teaching some sort of Einsteinian mathematics where seven plus two plus three makes thirteen.

When Carl Clanton dumps hot ashes into a basket full of papers, we wonder what those F. P. E.'s do at Armour.

James Clinton Peebles has expressed an opinion of his students as quoted, "Suppose you were in the position of the nut. Of course I wouldn't make any obvious inferences."

Movie Notes

Barbara Stanwyck is the star of a most unusual picture, "Ladies They Talk About," now at the McVickers Theater.

The picture reveals life in the women's ward of California's state penitentiary and is based on the actual prison experiences of Dorothy Mackaye, the actress, who was sentenced to the institution after the violent death of her husband.

Dorothy Burgess and Lillian Roth appear in this picture in important parts as fellow prisoners in San Quentin with Miss Stanwyck.

"Luxury Liner," a drama which spills drama on the decks of a magnificent transatlantic steamship and exposes the intimate events in the lives of its passengers, from steerage to first cabin, is now playing at the Roosevelt Theater. George Brent, Zita Johann, Vivienne Osborne, and Alice White head the "passenger list."

The picture opens with the boat's departure from Bremerhaven, Germany, and closes with its arrival at New York. During the six days of the voyage, every human emotion from hate to love; every type of event in a human life, from birth to death, takes place on the vessel.

Will Mahoney, the dancing sensation of many Broadway productions, will appear in person at the Chicago Theater this week.

Mahoney's famed Irish wit and his merry songs have made him an international favorite, but the most sensational feature of his repertoire is his own amazing tap dance performed on the keyboard of a xylophone.

Ed Lowry, Chicago's favorite, will also be prominently featured in the stage proceedings.

"Broadway Bad," a picture which combines gaiety, music and displays of feminine beauty with tense emotional drama, will be the screen attraction. Featured in the cast are Joan Blondell, Ricardo Cortez, Ginger Rogers and Allen Vincent. "Broadway Bad" is the dramatic story of a girl who fights a winning battle against the handicaps of an undesired reputation.

"State Fair" is now in its second week at the Oriental Theater, with an all-star cast including Janet Gaynor, Will Rogers, Lew Ayers, Sally

Hilens, Norman Foster, Louise Dresser, Frank Curran and Victor Ford.

The film is based upon Phil Stong's literary "Cauld pot" novel of the same name. Scolding, atmosphere, action remain the same in the picture as they were in the novel.

Carl B. DeMille, whose spectacle of the Rome of Nero's day "The Sign of the Cross" is now at the United Artists, doesn't see anything more steamship, or Hannibal using a dirigible, than in Nero using a fiddle.

For the fiddle wasn't invented until several centuries after Nero's death! As the result, Charles Langton, who plays the role of Nero, assumes a lye while a reproduction of the Imperial City flames merrily in the background.

Besides Langton, Frederic March, Claudette Colbert and Elinor Landi have leading roles in "Sign of the Cross."

OTHER CAMPUSES

Students at the University of Michigan are taking out insurance against flunking. The falling student receives enough money from the insurance company to pay his way through summer school.

A report has it that more than twice as many men as women are known to be flunking in their work at midterms at the University of Denver.

No official excuses for cutting classes are required now at the University of Kansas because the maintenance cost of the absence file was too great.

English theses compiled by the freshmen of North Carolina State College during the fall term revealed the word "too" to be the most commonly misspelled.

Amherst College's traditional entrance requirement of four years of Latin, the last stand of the so-called classical education, has been abandoned entirely after its 112 years of existence.

"Hard times are the hot houses in which progress grows," says Dr. George Barton Cullen, president of Colgate University. "This forced growth is not pleasant, but it is valuable. Mankind has always had to be kicked upstairs. He is naturally lazy. You cannot coax him, you must drive him."

Negro waiters at the University of

Georgia have formed a fraternity among their group. In order to be admitted one must be a butler in a Greek letter fraternity, must attend every football game, and wear clothes required from fraternity men.

Professors in the English and History departments at the University of Washington offer a real course in bluffing. They are of the opinion that every one has to learn to bluff sometime in his life and that college is a good place to learn. They claim that the "A" students get their averages because they know how to do it fearlessly and well.

A series of "Injun Durums" were held at the University of Alabama recently for the benefit of those students who study line. The dances ran from six to eight a. m.

No longer will the traditional rolled sheepskin signify the completion of a course at DePaul University. As a move toward economy, a pocket-sized diploma in a leather case will replace it.

A University of Alabama professor hoarded several hundred dollars in a box a few years ago. Upon returning to the box recently, he found a live rat in it and the bills chewed to pieces.

At Wittenberg University three blond coeds debated with three brunettes on the subject that brunettes are more intelligent than blondes. The brunettes won, thereby proving their point.

Several men students of Lehigh University who always aim to be sociable, picked up two girls who later turned out to be faculty members. No excuse for that.

An idea! Seniors at the University of Kentucky remove corduroy pants from underclassmen who dare to wear them and toss the pants into trees.

Three Washington University students were arrested recently when they attached a beloved "Frosh" to the rope of a flagpole and ran him up. Is their school color green?

A professor of the college of medicine at the University of Illinois recently received notes from the "Secret Six" instructing him to pass a certain student or "suffer the consequences." It happens in the institutions of learning too.

DINE and DANCE "Thursday Evening Dansants" 9:30 p. m. to 1 a. m. Special Attention to Groups 75 cents PER PERSON Armour Students Welcome No other charge whatsoever. Includes dancing and delicious 6 course Dinner. Unlimited parking, no check room charges. * AL MARNEY (Direct from Paul Whiteman) AND HIS BAND Join the College Crowds Call C. K. Barber for Reservations MEDINAH ATHLETIC CLUB Whitehall 4100

ARMOUR TECH BASKETEERS FINISH SEASON BY WINNING FIFTH CONSECUTIVE VICTORY

Armour Team Completely Routs Crane Tiger by Smart Offensive Playing in Last Half, 38 to 23

RAY PFLUM ELECTED CAPTAIN FOR 1933-34

Showing the same spirit and co-operation that they had displayed in the past month's games, the Tech basketball team ended the season with a decisive victory over the Crane College squad a week ago yesterday at Crane. Thus the Armour cagers avenged the defeat handed them by the Tiger quintet earlier in the season, just as they did against Wheaton and Michigan State Normal two weeks previously.

Crane Scores First

Although the Crane men flashed a fast offensive in the opening minutes of the game, and scored four points before a Tech counter was registered, the engineers took control from then on and played consistent basketball to forge steadily ahead. While the Tech men made their shots count, the Tigers were missing the majority of their attempts, of which a large number were of considerable length. Further Crane scoring was stopped by close guarding on the part of the Tech stars, Captain Beemsterboer, Pflum and Lauchiskis, each of whom acquired three personal fouls before the half was over. The score in mid-game was 17 to 10 with the ball in possession of the visitors most of the time.

Increase Tech Lead in Second Half

With Coach Kuehn's sterling advice behind them, the Armour cagers returned in the second half to play a scientific stalling game with which the tired Tigers could not compete. It was beautifully played, depending upon Captain "Beem's" tipoff and upon the regularity of the passing of the Tech guards, Pflum and Warner. Lauchiskis and Dollemmaier did their part of the game when the ball was pulled out of the stall and nine times out of ten, the basket was made when the opponents were caught asleep.

With a twenty-one point lead and two minutes yet to play, Coach Kuehn removed the entire regular team and sent in the second team to finish the tilt. Crane started a belated rally, but could only make six points in the remaining time, to bring the score to 38-23. Another proof that the ball was in possession of the Armour players for a majority of the second half is the fact that Beemsterboer, Pflum and Lauchiskis played throughout the period without acquiring foul number four, which would have put each one of them out of the game.

Tech Elects Captain

After the game was over, the squad assembled in the dressing room and unanimously elected Ray Pflum captain for the 1933-34 season. Although this is Ray's first season with the Tech squad he has the experience and spirit that make many an Armour victory possible. As ex-Captain Beemsterboer is the only man on the squad who is graduating, the team next year should produce an even more successful season than the past one has been.

Before the game started, George presented the coach with a present

BOX SCORE

Armour—	B	F	P
Lauchiskis, f.	8	3	3
Peterson, f.	0	0	1
Laschober, f.	0	0	0
Dollemmaier, f.	2	2	2
Beemsterboer, c.	1	1	3
Lukas, c.	0	0	0
Hagenauer, c.	0	0	0
Pflum, g.	2	0	3
Warner, g.	2	2	1
Rummel, g.	0	0	0
Total	15	8	13
Crane—23	B	F	P
Hammer, f.	1	2	0
Golub, f.	2	3	1
Reckzeh, c.	4	1	1
Rothstein, c.	0	0	0
Barnett, c.	1	1	2
Echeles, g.	0	0	4
Miller, g.	0	0	1
Total	8	7	9

on behalf of the squad, in appreciation of his work in building up the team, for which he is to be congratulated. It was through his efforts that a play-off for the National A. A. U. tournament was obtained for the Armour Tech.

Cagers Lose Tournament Play

Last Wednesday, the Tech cagers fought an uphill battle against the Joliet White Cigars, in the play-off of the National A. A. U., but lost by a one point margin. The winner of this game will enter the local tournament to decide which team will represent the section in the finals of the tournament at Kansas City.

In spite of the absence of Captain-elect Pflum, the engineers put up a good fight, after being on the short end of a 21 to 9 score at the end of the first half. Pflum was injured in the Crane game and was ordered out for the rest of the season. Dollemmaier led the Tech scoring against the White Cigars, with five baskets to his credit. The opponents' twelve point lead was too hard to overcome and the Tech rally fell short by one point.

Oh Yes! The Manager

To give credit where credit is due, we must not forget that the success of the team cannot be explained without shooting a little praise at the manager. To get down to the point, we wish to congratulate J. C. Johnson on his superb handling of managerial duties of the cage squad for the past season, realizing that such a job is plenty hard during the period of depression, or something.

BOX SCORE

Armour—29	B	F	P
Dollemmaier, f.	5	0	4
Laschober, f.	1	0	2
Goodhart, f.	0	0	1
Lauchiskis, f.	1	2	0
Beemsterboer, c.	2	0	1
Warner, g.	1	1	2
Lukas, g.	1	0	2
Rummel, g.	0	0	0
Total	11	7	12
Joliet White—34	B	F	P
Blawie, f.	4	1	3
Flannigan, f.	0	3	1
Hughes, c.	0	0	2
Langlet, c.	0	4	2
Killeen, g.	1	0	3
Hodge, g.	0	0	4
Total	11	8	15

PAGING RAY PFLUM!

The greatest guard Tech has had since the days of the flashy Billy Downs has been chosen to lead the tri-color quintet next season. We refer to Ray Pflum, who is recognized as one of the most brilliant all-around men in the collegiate circles of the Chicago area. Pflum, who has just completed his first real season with the engineers due to a seemingly continuous and unrelenting string of injuries, was unanimously elected captain for the 1933-34 season last Monday night shortly after the Tech five chased the supposedly ferocious Crane Tiger out of his own back yard. The old injury jinx again dragged the trail of the captain-elect as he was forced to watch his mates breeze the Tiger from the bench due to torn ligaments.

Star On Many Teams

Our new cage leader was a member of the Tilden Tech five before embarking on his collegiate career and was also a star performer on the Illinois Frosh and the Englewood "Y" squads before a trick knee caused him to abandon the sport temporarily. Although an operation was performed which was supposed to have removed the lameness occasioned by the trick knee it still seems that injury is Pflum's greatest enemy. However, it will be a long time before next November rolls around, and the entire school is pulling for Ray to recuperate and lead the Engineers through another great season.

BASKETBALL STATISTICS

INDIVIDUAL RECORD

Player	Games Played	Field Goals	Free Throws	Total Points	Personal Fouls	Min. Played
Lauchiskis	15	56	28	140	11	585
Beemsterboer	15	48	28	124	40	546
Pflum	15	48	14	110	28	504
Dollemmaier	13	24	15	63	22	369
Warner	15	21	12	54	34	463
Lukas	13	8	3	19	5	192
Rummel	11	0	3	3	14	104
Laschober	10	4	1	9	8	141
Hagenauer	2	2	0	4	5	71
Peterson	4	1	0	2	1	17
Sullivan	3	1	0	2	1	28
La Pedus	3	0	0	0	2	30

TEAM RECORD

Armour 27	.....	University of Chicago	23
North Central 28	.....	Armour	26
Armour 55	.....	Y. M. C. A. College	32
Crane 33	.....	Armour	30
North Central 29	.....	Armour	23
Armour 47	.....	Alumni	27
Wheaton 46	.....	Armour	36
Armour 38	.....	Y. M. C. A. College	35
Michigan Normal 49	.....	Armour	24
University of Detroit 36	.....	Armour	33
Armour 43	.....	Wheaton	19
Armour 31	.....	Michigan Normal	30
Armour 35	.....	N. I. College of Opt.	33
Armour 44	.....	Chicago Normal	37
Armour 34	.....	Crane	23

COACH GIVES HIS OPINIONS OF TECH VARSITY CAGERS

By Otto Kuehn

The team finished the season with a bang by winning the last five games. This strong finish indicates that the team started to click after an average start, which was most likely due to the fact that the team was composed of one veteran, Captain Beemsterboer and four new players.

With the introduction of the new ten second rule this year a new factor type of basketball play is required. The days of the big slow moving back guard is past and instead the five men must all be good shots, able defensive men, and players who are fast on their feet.

"Beem" Plays Steady Game

Captain Beemsterboer played a steady game at center and out-jumped most of his opponents. Captain-elect Pflum, the best ball handler on the team and an outstanding player, was a great aid in the season's campaign. His keen basketball sense and quick thinking was a great help to the team. He will make a capable captain for next year—best of luck Ray. Lauchiskis was the high point man for the year. He was a fine shot under the basket and another year of experience should make him a great player. Dollemmaier started out as a guard but was later shifted to the position of forward as we to increase the scoring power of the team. Warner was changed from a forward to a guard and with another year playing his work should improve considerably.

Lukas and Rummel are guards of the old backward type but they can't learn to handle the ball and become better shots in order to play the fast game that is required with the new ten second ruling in effect. Laschober and Hagenauer are forwards who used more experience in handling the ball and in shot making.

Lost Only One Letterman

Captain Beemsterboer will be the only man lost through graduation so there will be a number of experienced men from which to pick next year's team.

I wish to thank the men who charted our home games because the charts aided in the determination of the weaknesses of the team. The charts clearly showed the number of long shots that were taken, which were few, and the great percentage of short shots that were made. The high spot of the season was the victory over Michigan State Normal and next in importance were the victories over Wheaton and Crane after losing to these teams earlier in the season. The only team to defeat us in two games was North Central—our old jinx (ask the baseball team). Many thanks to the Armour Tech News and the student body for the fine support throughout the season.

Mr. W. K. Jappe May Talk at Future Date

(Continued from page 1)

probably also buy, on credit, a house and an automobile. The accumulation of such demand of all kinds makes for booms.

An increasing number of orders for a certain product or commodity will cause factories to expand. Expansion, almost every time, is made very shortly before the peak demand for the product has been reached.

Mr. Jappe then gave the following advice to his audience: "When you see all factories lit up at night, make up your mind it is a good time to save your money—the next big move will be down." For, when the demand falls off, orders will be cancelled, retrenchments will be made, boom salaries will be reduced, and the resulting credit strain will be corrected by liquidation. The fall back to necessity demand seems like depression.

Mr. Jappe then reviewed the factors or determinants of the business trend. Money and credit has already been dwelt upon. Interest rates are a very important indicator in the determination of business trends. He likened business to a steam boiler. Although we may not see the minor changes that go on inside, when the pressure gauge begins to rise it is best to either pull out the fire or else get out of the way. Interest rates gauge the business trend.

Without a boom in building we can't expect a boom in trade. The extra demand for labor and material that creates booms is supplied by an increased building volume. A chart showing the building volume, construction costs is favorable to business revival. But, at the same time, rents must not be falling. At the present time the first two are favorable to a building revival but the continued falling off of rent neutralizes those benefits and until the curve of falling rents flattens out no betterment can be expected.

Crops are important from three standpoints. Thirty per cent of the population of the United States live in rural districts. Therefore the farmer's buying power is of great importance. The movements of crops and agricultural products affects the prosperity of transportation and handling agencies. Low cost of living in cities will permit an increased volume of manufactured industrial products.

Business determinants from the trend of commodity prices and politics was also discussed by Mr. Jappe.

The importance of this study can best be explained by quoting Prof. Hadley, professor of economics and later president of Yale University, "The success of a man engaged in transportation, agriculture, or manufacture depends more upon his skill as a prophet than as a producer in industry."

PARASITUS

By E. C. Kenner

What? You've never heard of him. Incredible!—surely you must be blind, or possibly you are desirous of remaining so concerning this issue. Technically to us he is known as Coplan Leontius Timus, but to you he is a parasite or more in brief a leech. He is a creature that lives by the sweat of some one else's brow and then becomes as base as he deserves the odor of those that give him sustenance. It is not our intention to go far into the ethics concerning the conduct of this creature but a mention of them would I think, be in order. It is the activities of this blood-sucking creature that makes it difficult and oft times embarrassing for the square shooting student.

Are There Many?

Before proceeding further let us pause moment in our deliberations. Is the number of such beings great? It is an unmitigated situation but nevertheless true that there are few if any places in our system of modern education where one may enjoy the privileges of higher education without the presence of this monstrosity. It has of late become almost a universal practice. And in the defense of this statement I would bet my lion on wherever it is that engineers eventually go; that there is not a man amongst us at the Institute that has not at some time during his sojourn here resorted to such a debauchery. The habitual follower of this practice is due to be relegated to a position of subordination. As to the casual follower of this plan who brings up the defense that it is in the nature of co-operative work. This may be true, but we cannot condone the practice. Neither can it be condoned without due investigation of each individual case.

Cheating Himself

The person who follows this plan might be and probably is the original proponent of the theory of "Least Work." But he is in reality the world's champion time waster. He not only wastes the time allotted to him but also the time of his benefactor. When a person loans his work he always has the worry as to whether or not it will be returned to him so that it may be turned in on time. Some seem to think that they are putting something over on the professor—but fortunately it is not so. The professor is fully aware of this base situation and acts accordingly. Truthfully the blame cannot be laid to the administration or the professor at the Institute for we find that the lower classmen are as proficient if not more so than the upper classman. For within a short time, that is, if he has successfully weathered the storm, he realizes that he isn't cheating anyone but himself by doing his work in this manner. So why cheat ourselves? It is bad enough to cheat the other fellow but to cheat yourself—that is ten times worse.

Salamander Presents Award to Wheaton

(Continued from page 1)

on a pair of dice, and the production of money from thin air, an art which many people would like to possess in these times. Professor Martineck also produced many cards from inside the coats of several amazed gentlemen.

Several short but interesting talks were made by Mr. J. V. Parker and also Professor Finnegan, head of the department. A presentation of a pipe was made by Jarl T. Sorenson, president of the F. P. E. S. to Mr. Parker as a token of the esteem of the group, in addition to another one to Edwin C. Kenner, who showed the best gambling ability. Prof. Robinson, member of the department faculty also spoke and Mr. Norway, newest addition to the faculty, was also introduced to the whole department.

At the completion of the entertainment part of the program, refreshments in the form of sandwiches and coffee were served, after which the very successful and enjoyable meeting was adjourned.

INTERESTING BOOKS

- Beavis, Gerald
Romance of the Heavens
Lippincott, 1931
- Davis, M. L.
Uncle Sam's Attic, an Intimate Story of Alaska
Wilds, 1930
- Hedin, Sven
Across the Gobi Desert
Dutton, 1932
- Hodgins, Eric and F. A. Magoun
Behemoth
Doubleday, 1932
- Kendrick, Thomas D.
History of the Vikings
Scribner, 1930
- Langdon-Davies, John
Man Comes of Age
Harpur, 1932
- Powers, James H.
Years of Tumult
Norton, 1932
- Stephens, George W.
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TECH SWIMMERS BEAT WISCONSIN STATE TEACHERS

Armour Tankmen Trim Milwaukee Swimmers By 48-27 Score

LOSE TO CRANE 38-37

Armour defeated Wisconsin State Teachers by a score of 48 to 27 in the swimming meet that was held last Friday night at Bartlett Gym. The Armour men were not pressed at any time during the meet and had little trouble in piling up a lead. In defeating the Wisconsin State Teachers the Tech men were competing against a school that has twice the enrollment of Armour.

Armour Takes the Lead

LaForce, Giovan, Ahern and Carlstrom combined their efforts in winning the first event of the meet, which was the 160 yd. relay. The Armour men swam well and gained a slight lead which they held to the finish. Kolve and Knaus won first and second in the 100 yd. breast stroke and increased Armour's lead to eleven points. Kolve won the event by clipping a little over a second off the time that he has made in the recent meets; Knaus gave him plenty of competition and was barely beaten out of first place.

Carlstrom Wins 40-yd. Free Style

Captain Roy Carlstrom came in first in the 40 yd. free style event and Giovan scored a third. Carlstrom got off to a good start and quickly gained the lead which he maintained until the finish. In the next event, the 100 yd. backstroke, Bernstein earned a first place and Armour's lead was again augmented. The Teachers captured the 100 yd. free style race and this was the first of the two events that they won in the evening's competition.

Kolve and Reed made a clean sweep of the diving event by capturing first and second. Many well executed dives brought forth applause from the gallery. Kolve was awarded first, due to skill he showed in performing difficult dives.

In the medley relay Wilke, Fisher and Zien defeated the Armour trio of Bernstein, Knaus, and LaForce but the Tech swimmers had already won the points necessary for victory and this only served to whittle down Armour's lead.

Summaries

160 yd. relay—Won by Armour (LaForce, Giovan, Ahern, Carlstrom); second, W. S. T. (Zien, Burns, Braun, McCamm). Time, 1:22.5.

100 yd. breast stroke—Won by Kolve, A.; second, Knaus, A.; third, Buech, W. S. T. Time, 1:16.3.

40 yd. freestyle—Won by Carlstrom, A.; second, McCamm, W. S. T.; third, Giovan, A. Time, 0:20.2.

220 yd. freestyle—Won by Burson, A.; second, Braun, W. S. T.; third, Davison, A. Time, 2:43.9.

100 yd. back stroke—Won by Bernstein, A.; second, McCamm, W. S. T.; third, Wilke, W. S. T. Time, 1:17.2.

100 yd. freestyle—Won by Ziem, W. S. T.; second, Carlstrom, A.; third, Ahern, A. Time, 0:40.

Fancy diving—Won by Kolve, A.; second, Reed, A.; third, Schields, W. S. T.

120 yd. medley—Won by Wisconsin State Teachers (Wilke, Fisher, Zien); second, Armour (Bernstein, Knaus, LaForce). Time, 1:13.1.

Crane Defeats Armour

Prior to this meet Crane had defeated the Armour tankmen by a one point margin. This was another of the series of one to two point losses that has marred the Techmen's record this season. Armour won the 160 yd. relay, the 40 yd. free style event, and the fancy diving. In this meet Carlstrom was the high-point man with a total of ten points. The final score was 38 to 37 in favor of Crane.

This year's swimming team has faced a schedule that offers better competition than that offered by the schools that have been engaged in years gone by. The swimming squad now meets teams that have a rating comparable to those met by the Armour teams in baseball, basketball and track. This is the reason that their record does not seem as impressive as it did in the past years. However, according to the times that the men are making, this year's team is as capable as any of the Armour

swimming squads of the past few years.

Summaries

160 yd. relay—Won by Armour (LaForce, Giovan, Ahern, Carlstrom); second, Crane (Mohr, Bielinski, Johnson, Kolveg). Time, 1:22.4.

100 yd. breast stroke—Won by Dawson, C.; second, Knaus, A.; third, Kolve, A. Time, 1:15.7.

40 yd. free style—Won by Carlstrom, A.; second, Mohr, C.; third, Giovan, A. Time, 0:20.5.

100 yd. back stroke—Won by Koenig, C.; second, Bernstein, A.; third, Ostrom, C. Time, 1:16.5.

100 yd. free style—Won by Anderson, C.; second, Carlstrom, A.; third, Ahern, A. Time, 0:39.

Fancy diving—Won by Reed, A.; second, Kolve, A.; third, Hayes, C.

120 yd. medley—Won by Crane (Koenig, Dawson, Anderson); second, Armour (Bernstein, Knaus, Giovan). Time (not recorded).

Armour Golf Team Schedules Two Meets

With the coming of spring the Armour Tech golf team announces two scheduled matches and several tentative ones. The two scheduled matches are with Chicago University at Olympia Fields and Northwestern University at Westmoreland Country Club. The team has two players, Capt. Pearson and Richards. There is room for three more on the

Tennis Rankings Given For Year

After the tennis tournament was ended last fall, Professor Colvert, coach of the Tech tennis team, drew up the ranking of tennis players who competed in the tournament. The rankings give the first five places to members of last year's team. These same men will represent Armour Tech on the tennis court, for the coming season. Streb, who ranked first, was elected captain for 1933, and J. Puchman is the manager.

Following is the ranking: Streb, Armsbury, Paice, McDermough, Cone, Esbenham, Lammars, Ellis, Feinberg, Cohrs, Hillman, Trudelle, Gundersen, Reitz, Curran, Rowe, Searl, Weldon, Ahern, Norris, Davidson, Laschober, Epprecht, Wheaton, Wachmann, Biegler, Balsewick, Surr, Rosenthal, Levin, Adair, and Hamilton.

This list is not final, and any player may attempt to raise his ranking by challenging an opponent who is not more than three places ahead of him.

The remaining players are Capt. Johannson, Weldon, and Davidson. Any man of average ability wishing to try out for the team should communicate with Prof. Leight or Manager Otto Streb. Johannson, Weldon and Davidson are veterans and experienced players.

WHEATON BEATS TECH WRESTLERS BY A 6-2 SCORE

Last Wednesday evening the Armour Tech grapplers made their first out of town trip and were defeated by the score of 6 to 2. This was the second setback of the season for Coach Weissman's squad, both defeats being administered by Wheaton.

The Tech wrestlers showed some improvement since the last meet with Wheaton. All of the matches were hard fought and good sportsmanship was shown throughout the meet.

Wheaton Wins First Bout

The first match started at eight o'clock between Carrens of Wheaton and Hella of Armour in the 115 pound class. Both men continually went off the mat while working for an opening. Finally, Carrens applied a half nelson with a wrist lock and rode Hella a few minutes before pinning him. The crowd gave Hella a great ovation for the courage he displayed in attempting to break his opponent's hold.

In the second tussle Perrill of Armour met Gordon of Wheaton in the 125 pound class. Each man was able to ride the other for some time. About half way through the struggle Perrill received a severe blow on the head when both men fell off the mat while wrestling with each other.

The spectators gave Perrill a hand when he stood up and came back on the mat. Gordon was awarded the decision with a time advantage of 2:31.

The next match brought Austin of Wheaton against Patterson of Tech. It was a hard fought battle until Austin finally gained the advantage and pinned Patterson in the time of 4:50.

Armour Wins First Match

The first Tech points were scored by Schmidt when he gained a time advantage over Chrouser of Wheaton in the 145 pound class. Both men fought hard but the cleverness of Schmidt in breaking holds turned the tide in his favor. The time advantage was 5:00.

In the fifth match Sumner of Armour was pinned by Jorgensen of Wheaton in short order. The score at this time was 4 to 1 in favor of Wheaton.

The next tussle proved to be the best of the evening. Captain Talaber of Tech displayed the form which made him Cook County champion in the 165 pound class. From the beginning of the bout to the end Lieberman of Wheaton was unable to get a grip on Talaber. This was the second and final Armour win. The time advantage was 5:30.

The seventh struggle was between O'Brien, the captain of Wheaton, and Bergquist of Armour in the 170 pound class. Both men wrestled hard and became exhausted very quickly.

O'Brien then managed to pin his opponent after five minutes.

The final match of the evening, in the heavyweight class, Balsewick of Armour wrestled Reimer of Wheaton. After sparring a while Reimer managed to obtain a figure four on Balsewick and rode him until they rolled off the mat. A few minutes before the end of the bout Reimer succeeded in pinning Balsewick.

Before the meet started the coach of Wheaton's wrestling squad made a short speech on the good sportsmanship which has been shown between the colleges in athletic events. He suggested that the Armour squad should be cheered and spectators readily responded.

Summaries

110 pound class—Carrens (W) threw Hella (A). Time—5:55.

125 pound—Gordon (W) decision over Perrill (A). Time advantage—4:17.

135 pound—Austin (W) threw Patterson (A). Time—4:50.

145 pound—Schmidt (A) decision over Chrouser (W). Time advantage—5:00.

160 pound—Jorgensen (W) throw Sumner (A). Time—2:10.

165 pound—Talabor (A) decision over Lieberman (W). Time advantage—5:30.

170 pound—O'Brien (W) throw Bergquist (A). Time—2:30.

Heavyweight—Rolmo (W) throw Balsewick (A). Time—6:23.

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Granger has not been on sale very long, but it has come to be popular, and there is this much about it: We have yet to know of a man who started smoking it, who didn't keep on. Folks seem to like it.

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ARMOUR TRACK TEAM DEFEATS CRANE COLLEGE

Tech Runners Triumph Over Crane by Big Margin

PREPARE FOR RELAYS

Another victory was chalked up for Armour last Saturday when the Tech trackmen overwhelmed Crane College in a dual meet at the U. of C. fieldhouse. The Tigers scored only two first places, the first coming in the mile run and the second in the pole vault.

Sademan Wins Dash

As usual, Captain Sademan came through with a first place in the 50 yard dash, with Kreuzkamp running a good third. Jones finished second to Hill of Crane in the mile run and the lead was upheld further when Oberbeck and Roberts, the "gold dust twins" took first and second, respectively in both the low and high hurdles. Johnny alibied both races, his first defeat being due to the fact that the starting block slipped, (so he says) and his second being just a plain fib, that Art's chest is bigger than his. However, Roberts took first place in the shot put in the absence of Fratocchi.

Run Good Two Mile Race

In the meantime, the high jump was completed, and for the second time this season, one of the three Tech stars failed to click. This time it was Kulpak who missed five feet seven inches to drop to a tie for third place, with Nelson and Bejeck tied for first. George showed that he is getting back into form by taking the 440 yard dash easily, in the time of 55.3 seconds.

Crane could furnish no real opposition in the two mile event and therefore Callen and Hanson tied to stir up a little competition between themselves. Hanson succeeded in pushing Callen hard enough so that the latter turned in the fast time of 16:30. This is the first time, since Sademan broke the school record way back when, that the two mile has been run under eleven minutes by an Armour man.

Nelson Scores 154 Points

The next event was the half mile, in which our "captain" Elmer, turned in the surprisingly good time of 2:01.2 with no opponent anywhere near him. The meet was concluded after the broad jump (Nelson first again) and pole vault were run off. After the meet, the squad had a picture taken for the Cycle. The conclusion of the Tech indoor season will come with the Armour Tech Relays scheduled for March 18, and great results are expected from the Tech relay team.

Summary

50 yard dash—Won by Sademan, A.; second, Dean, C.; third, Kreuzkamp, A. Time, 6.5.

Mile Run—Won by Hill, C.; second, Jones, A.; third, Fleissner, A. Time, 4:55.8.

Shot Put—Won by Roberts, A.; second, Snow, C.; third, Kay, C. Distance, 34 ft. 2 in.

High Jump—Tied for first, Nelson, A., and Bejeck, A.; tied for second, Kulpak, A., and Hill, C. Height, 5 ft. 7 in.

Broad Jump—Won by Nelson, A.; second, Heistad, C.; third, Diamond, C. Distance, 21 ft. 1 1/2 in.

Half Mile Relay—Won by Armour (Kreuzkamp, Concolina, Oberbeck, Nelson); second, Crane. Time, 1:37.

Pole Vault—Tied for first, Rafferty, C., and Heistad, C.; tied for second, Gerber, C., and Concolina, A. Height, 10 feet.

70 Yard High Hurdles—Won by Oberbeck, A.; second, Roberts, A.; third, Crane, C. Time, 9.7.

70 Yard Low Hurdles—Won by Oberbeck, A.; second, Roberts, A.; third, Crane, C. Time, 8.7.

440 Yard Dash—Won by Nelson, A.; second, Michael, C.; third, Flieg, A. Time, 55.3.

880 Yard Run—Won by Sademan, A.; second, Fleissner, A.; third, Hill, C. Time, 2:01.2.

Two Mile Run—Won by Callen, A.; second, Hanson, A.; third, Michael, C. Time, 10:50.

BATTERIES WORK HARD TO PREPARE FOR MOUND DUTY

With spring-time drawing ever closer and closer, ushering in another season of outdoor sports, and with King Baseball holding the spotlight, the Armour Tech baseball team is once again preparing for a successful season on the diamond.

The pitchers and catchers are already hard at work in the school gymnasium. Under the able tutelage of Coach Krafft, the hurlers have progressed to a stage of "working the corners." Coach Krafft is of the opinion that with the return of several veterans, plus some very promising prospects, the pitching department should be the strongest part of the team.

Outdoor Practice Starting Mar. 20

A week from next Monday, Mar. 20 the battery men and all the members of the team will go outdoors to practice. The biggest problem in Coach Krafft's opinion is the infield. He comments on the fact that the majority of the ball games last year were due to the infield. If a good infield can be found or developed, that will help the pitchers hold a lead and function properly with runners on the bases, plus the necessary batting punch, the coach's worries would be over.

Our baseball mentor also is of the opinion that an outfield can always be built, once an infield is formed. Some of the good hitting pitchers can be put in the outfield if necessary.

Heavy batting practice will be the order after outdoor work begins. Several dozen, number picked, major league bats have just been procured, that should prove to be satisfactory to all the players. A steady defense with a consistent batting attack will go a long way with the Engineers' hopes in the Northern Intercollegiate Conference.

Tough Competition Ahead

The team that is returning this year has an advantage over that of the past season in that the players experienced in competition will be back again. Hopes for a league championship are high considering the fact that practically this same team last year, tied for second place.

Four games with two Big Ten universities, Chicago and Northwestern, will very likely furnish a lot of experience and tough competition in the future. The team that will be put on the field for the Tech cause can be expected to give their best and will uphold the Armour traditions.

Men students at Baylor university contended that married life relieves the college man of the unnecessary tugging and tussling about borrowing, buying, or stealing that extra forty cents to take the girl to the show, or to the corner to get that "coke."

TECH SHORTS

Tech Relays Approaching

With the advent of spring comes a perfect finish to the midwest collegiate indoor track season in the form of the Armour Tech Invitational Relays. A large number of schools have already sent in team lists and a good program is being arranged. Coach Stagg promises to have his relay team in evidence in the relay events.

After the Crane meet Saturday, the Tech track team had its picture taken for the Cycle. Ask any of the men who it was that spoiled the picture. (After you get five different answers, conclude the questioning).

Swimming Team Splits

After losing a tough meet to Crane College by a one point margin, the Tech splash artists returned to defeat the Milwaukee State Teachers in the Bartlett Gym pool. Well, we're still ahead of the Tigers, as the basketball and track teams administered severe trouncings to the respective Crane teams. Next Saturday, the men will travel to Madison to engage the University of Wisconsin in a dual meet.

Speaking of the swimming team, an attempt is being made to change swimming to a major sport at Armour, as it is in the Big Ten Conference and in the majority of colleges in the country. The Tech team

has always been scheduled up against strong competition, and this year has been no exception. Despite this fact, however, the squad has always turned in a good season, and although this has not been very evident this year, the meets that the engineers have lost can be put to some closely contested events, and several bad breaks. The change will also aid the team in that more men will come out for the sport with the added incentive of a major instead of a minor letter. Therefore, it seems that it will be reasonable and productive at the same time.

The basketball squad ended the season with a fine record. Three of the men broke the 100 point mark with Al Lauchiskis at the top with 140 points. Ex-captain Beemsterboer and Captain-elect Pflum also had totals exceeding the century mark.

Ray Pflum is getting around school with the aid of a pair of crutches after being injured in the Crane game. From all appearances, he can make better time with them, than without. Stick to 'em, Ray.

New Basketball Manager

Finally, a manager for the basketball team has been appointed. Two good men, Davidson and Schreiner, had been working out side by side for some time and the selection was delayed for some reason or other. Davidson got the job and he has begun work in preparation for next season's schedule.

Armour Relays To be March 18

(Continued from page 1)
track teams of universities of Chicago, Notre Dame, and Marquette, Chicago University, which hasn't seemed to have much luck in the Western Conference with their football and basketball teams in the last few years, has promise of one of the best track teams in the Big Ten this spring and will undoubtedly place in many events. The shining star of the Maroons is John Brooks whose specialties are the broad jump and the sprints.

College Relays to Be Close

The three relay events in the college division are expected to be hotly contested, with strong relay teams from Illinois State Normal, North Central, and Armour Tech entered. Coach A. A. Stagg Jr., of the Armour tracksters stated that Armour expected to enter a team in the sprint medley relay which would have an excellent chance of winning. The team will be composed of four of the following five men, Captain Sademan, Nelson, Roberts, Kreuzkamp, or Oberbeck.

There were three thousand spectators at the Armour Tech Relays last year and a greater number should be present this year. The next issue of the News will carry the list of entrants and the complete program of events.



ILLUSION:
The Oriental girl reclines on a sheet of plate glass supported by two mirrors. The magician waves a white sheet in front of the pretty maiden... pronounced a few magic words... *Presto!* She has disappeared in thin air.

EXPLANATION:
"Disappearing" acts are among the most popular in the repertoire of the magician. Dogs, horses, girls, whole room disappear—whisked into space, dropped through apertures, hidden by mirrors. But this "disappearance" is a bit different. One of the "tricks" is a hollow dummy. When the magician holds up the sheet the like like lady disappears completely—leaving the unconvincing figure of the dummy.

IT'S FUN TO BE FOOLED ... IT'S MORE FUN TO KNOW

There is also a trick of cigarette advertising, whereby a few magic words are used to create the illusion of "Coolness." EXPLANATION: Coolness is determined by the speed of burning. Fresh cigarettes, retaining their full moisture, burn more slowly... smoke cooler. Parched, dry cigarettes burn fast. They taste hot. This makes the method of wrapping very important.

Improperly wrapped cigarettes begin to dry out as soon as packed. Camels are cooler because they come in the famous Humidor Pack of welded, three-ply, MOISTURE-PROOF cellophane... and because they contain better tobaccos. A cigarette that is fresh, full of natural moisture, and blended from choice, ripe tobaccos tastes cooler than one that is harsh and acrid. For coolness, choose a fresh cigarette, made from costlier tobaccos.

It is a fact, well known by leaf tobacco experts, that Camels are made from finer, MORE EXPENSIVE tobaccos than any other popular brand.

Try Camels... give your taste a chance to sense the difference. You'll appreciate it!



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