



SOPHOMORE DANCE FRIDAY NIGHT

Junior Class Selects Marshal

FRANK JAMES, F.P.E., ELECTED JUNIOR MARSHAL; TO HEAD CLASS ACTIVITIES NEXT MAY

Awards Voted for Members of Interclass Baseball Title Squad at Meeting of Juniors

ANNUAL DANCE FAILS TO YIELD PROFIT

Frank James, '31, F. P. E., was elected Junior Marshal at a Junior class meeting held last Thursday. The class president, Fred Attwood, presided. Two ballots were taken, the candidates on the first being, F. M. James, C. J. Robin, R. H. Windbigler and R. G. Kellner. Robin and James received the most votes, but the count was so close that it was decided to take a second ballot on those two candidates. The count showed James with 54 votes while Robin accounted for 47.

The Junior Marshal is elected early in the second semester so that he can name his committee and have ample time to make all arrangements for Junior Week, which will be held some time during May.

The class also voted awards to the members of championship interclass baseball team for the 1929 season. The awards will be in accordance with the regulations recently laid down by the Armour Tech Athletic Association.

B. G. McLaughlin, Social Chairman of the class, made a report on the Junior Informal dance which showed the dance not as successful financially as it was socially.

Prof. Libby Prominent at Engineers' Meeting

Professor Libby traveled to Memphis, Tenn., for three days last week to attend the annual meeting of the National Association of Practical Engineers, an educational organization. Professor Libby is chairman of the National Board.

About 200 persons attended the Memphis meeting which was held to discuss the newest ideas of refrigeration engineering. Professor Libby said that the association has numerous chapters, one of which is in Chicago. This section meets the first and third Wednesdays of each month.

Senior Architects Get Second Mention

The teams of which M. R. Doherman and R. R. Falconer were architects, each received a Second Mention in the recent Annual Collaborative Competition sponsored by the Association of the American Academy in Rome. Each team consisted of an architect, a sculptor and a painter.

The program consisted of the design of the "Interior of a Sanctuary" for the body of the late President Woodrow Wilson, which is now temporarily buried in Washington. The sculpturing and painting of both teams were done by students of the Art Institute.

Last year H. Turk, '29, and A. Crizeoskey, '29, received a First and Second Mention, respectively, for the designing of the "Interior of a Salon on the Largest Ship Afloat." First and Second Mentions are the same as honorable mentions.

Condition Exams Will Be Held on March 3-8

The examinations for the removal of conditions are scheduled for next week from March 3-8. As is the custom each semester, students who received a condition in any subject will be permitted to take these examinations for credit in the subject. The examination must be passed or the student will be required to repeat the subject the following semester.

Four Senior Arx to Be in Contest

The preliminary exercises for the Annual Prize Competition of the American Institute of Steel Construction were held Saturday, February 15. The following Senior architects entered the competition: W. M. Alderman, F. E. Christensen, E. Goldenberg and A. D. Levy. It consisted of the drawing of an *Esquisse-Esquisse en loge* in nine consecutive hours.

Out of all of the sketches submitted to the committee for judgment, ten will be selected who will enter in the final competition. The schedule is as follows: preliminary competition, February 15; preliminary judgment, February 25; final exercise, March 10; and judgment for the prizes will be on April 1.

One-Third of Seniors Order Class Jewelry

Only about one-third of the Senior class has placed orders for Senior rings and keys, according to Vernon A. Sturm, '30, chairman of the jewelry committee, while in years past, three-quarters of the class was a minimum. The first order to the jeweler for those men who had made an initial deposit by Friday noon, will be sent in on Friday, February 28. The next order will be sent to the jewelers in a few weeks, or if a large enough number place orders immediately, it will be sent next week.

The sale of class jewelry was termed "very disappointing" by Bob Serson, '30, Senior Class President. "Every member of the senior class ought to get either a ring or a key. Class spirit ought to stand for a little more than just raising whoopee at class dances. A piece of class jewelry will be something that will last a long time, and always bring back old associations."

Other members of the jewelry committee are W. King Simpson, '30, Barton Roffee, '30, Emory Ross, '30, and D. T. Smith, '30. Samples of both the ring and the key are on exhibit on the bulletin board in the lobby of the main building. The price of the ring is \$8.50 and that of the key is \$6.00.

BOXERS TO FIGHT Y.M.C.A. CHAMPS IN ARMOUR RING

South Chicago Squad Victors In Former Battle

FIRST MEET AT HOME

Armour's boxing team meets South Chicago Y. M. C. A. this evening at 5:00 in the school gymnasium. This is the first boxing meet that has ever been scheduled at the Institute. All meets of this year, and of previous years, were held on foreign rings. Incidentally, the matches were governed by outside officials, and were staged before large gatherings of antagonistic fans.

Tonight's match promises to be different. The battles will be fought on a ring familiar to all of Armour's contestants. Whatever cheering and yelling is prompted, will for the first time perhaps, serve to stimulate courage in our boxers instead of confusion. In previous fights Armour had to contend with the incessant razzing of some three to five hundred fans.

In meeting the South Chicago team Armour faces the state Y. M. C. A. champions, and above all, they face a team that had battered them for a decisive six-fight victory on February 18. Although the meet appeared to be totally lost, the results did not justify Armour's strength. Tech suffered no one-sided defeats in any of the individual matches and could have reversed the outcome if each fight-

(Continued on page 3)

March 1 Dead Line for 1930 Cycle Pictures

Individual pictures which are to appear in the 1930 Cycle positively must be taken by Saturday, March 1st. Seniors, members of the social and honorary fraternities, and other organizations who do not comply with this ruling will not have their pictures in the Cycle, according to P. E. Heath, editor-in-chief of the book.

Pictures are to be taken at the Mabel Sykes Studios located on the sixth floor of the Bay State building at 140 North State street.

On Monday and Tuesday of last week, Theo. Klene, '15, C. E., visited the Institute. He is an assistant engineer with the Santa Fe Railroad at Amarillo, Texas, in the department of building construction.

CALENDAR

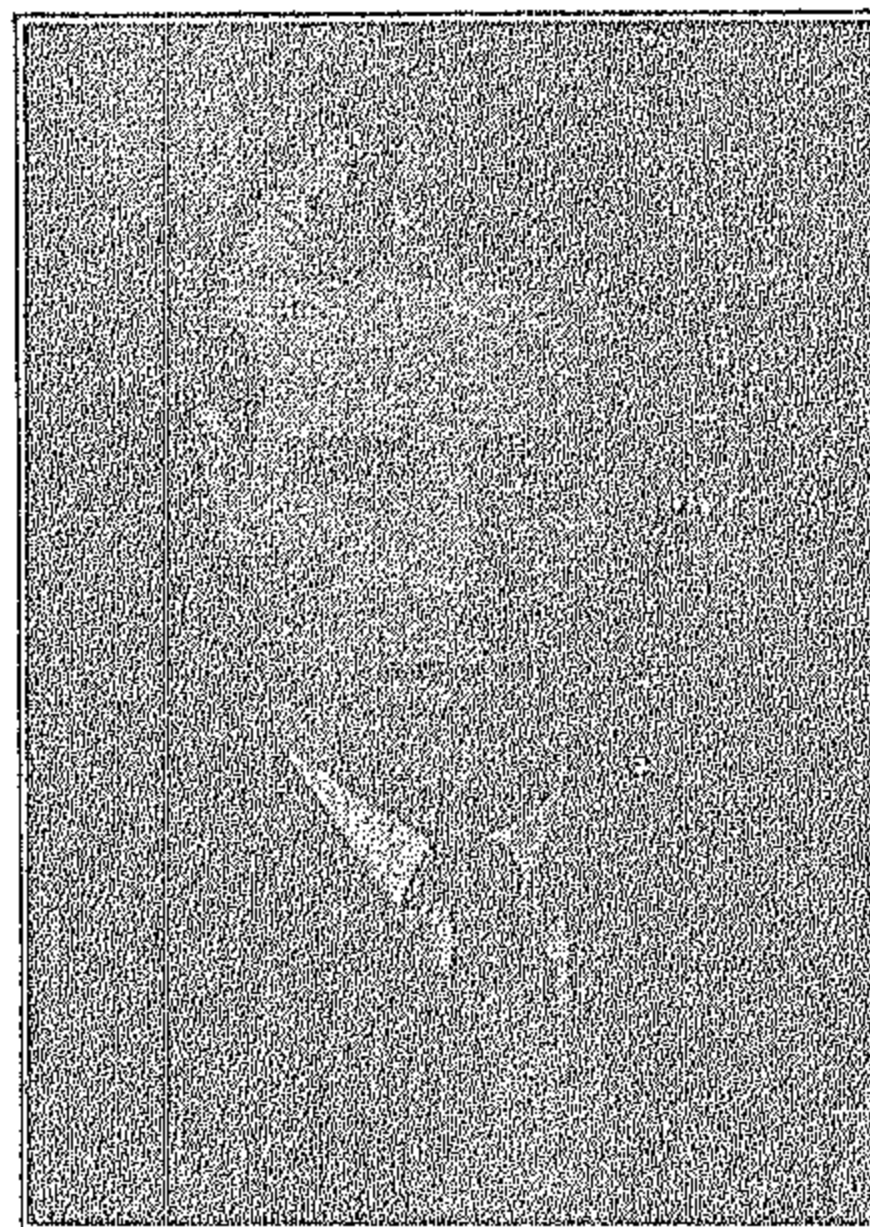
Tuesday, Feb. 25
4:00 P. M.—Boxing meet with South Chicago Y. M. C. A. at Armour

Thursday, Feb. 27
3:00 P. M.—Swimming meet at Chicago Normal

Friday, Feb. 28
Sophomore Dance in Gold Room of Congress Hotel
Last basketball game for season, Michigan State Normal College at 8th Regiment Armory

Saturday, March 1
Examination for removal of conditions
Dead line for all Cycle pictures

SOCIAL CHAIRMAN



JAMES BRYANT

Alumnus Gives Advice to Student

Dr. Raymond has received another letter from an alumnus, H. S. Wellington, '08, giving advice to a prospective student. The author gives his viewpoint of an engineering education with information that is both interesting and instructive.

Dear Sir:— I observe that you are considering entering the Mechanical Engineering Department at the Armour Institute of Technology, and that you wish my opinion and advice in respect to the several courses available. You are mistaken in your understanding of my having pursued the Mechanical Engineering course. I graduated from Armour Institute in 1908, having followed the four (4) year course in Civil Engineering, in which course a small amount of M.E. and E.E. work was included.

Since my graduation the work with which I have been identified has been of a very diversified character involving M.E., C.E. and E.E. Probably more of the Mechanical and Electrical than the Civil, although my engineering training in the C.E. course developed the ability to search for and find, in most cases, answers to those problems with which I was confronted in the

(Continued on page 3)

D. M. Wood Speaks To Fire Protects

The first meeting of the Fire Protection Engineering Society for this semester was held Wednesday, February 19, in Science Hall. Mr. D. M. Wood of the Child and Wood Agency was the speaker.

Mr. Wood spoke on the "Relationship of the Local Agent to the Insurance Business," relating personal experiences and incidents, giving the students a good idea of what they will meet up with in later years and what will be required of them to make successful agents.

The things that a successful agent should have knowledge of are listed by Mr. Wood under eight heads, they are: salesmanship, financing, accounting, law, engineering, medicine and surgery, English and the ability to manage.

E. J. Ransel, president of the Society, announced that the Annual Fire Protect Smoker would be held sometime within the next month. The Fire Protects were urged to pay their dues, the Sophomores to H. Hendricks, the Juniors to T. Schueler, and the Seniors to either W. Scott or E. Ransel.

ATTENDANCE TO BE BOOSTED BY LARGE DANCE FLOOR OF CONGRESS HOTEL GOLD ROOM

Novelty Numbers to Be Featured by Erl Brammel's Kentucky Colonels At Soph Informal

HAVE ELABORATE BIDS AND PROGRAMS

The Sophomore Informal, the most important event in the year for the sophomore class, will be held this Friday night, February 28, in the Gold Room of the Congress Hotel, with nearly three hundred couples dancing to the music of Erl Brammel's Kentucky Colonels, from 9 o'clock until 1.

The Gold Room has a dance floor large enough to accommodate the

expected crowd, since it is about half again as large as the Crystal Ballroom of the Blackstone Hotel, where the Junior Dance was held. In addition, it has a roomy and tastefully appointed lounge which apparently was made for sitting out dances.

The orchestra, Erl Brammel's Kentucky Colonels, is a Jean Goldkette organization with a country-wide reputation. Erl Brammel, in addition to being a leader in musical circles, is an engineer, having been graduated from the University of Detroit's engineering College. He has been a leader for Jean Goldkette for several years and since his return from Florida and the south, has been in great demand by the students of Northwestern University for their dances.

The Kentucky Colonels have several novelty numbers with which to amuse their audience. True to their southern name, they sing the Old Oaken Bucket—but with their own variations. They also have a singing trio and two pianists who perform together and individually. Perhaps their most unusual number is the "Goofus Horn," which is somewhat mysterious.

The elaborate bids are its first indication of what a time is to be had, according to James Bryant, Social Chairman, and the programs are even more unusual and attractive. Bryant announces that tickets may be obtained from the Social Committee, composed of G. Schodde, A. Jungels, S. Lind and H. Hendricks. Tickets may also be received from A. Winckler, R. Eddy, R. Wilson, C. Brown, J. Tilt, H. Yount, M. Beal, J. Carey, J. Jackson, R. Belford, and T. Luckett. The price is two-fifty, as usual.

The guests invited for the evening are President and Mrs. Howard M. Raymond, Dean and Mrs. Claude I. Palmer, Professor and Mrs. Joseph B. Finnegan, Professor and Mrs. Charles F. Holmes, and Mr. and Mrs. Howard W. Hendricks.

Glee Club Holds First Rehearsal of Semester

Last Thursday, Feb. 20, the Glee Club, under the direction of Dr. Daniel Protheroe, held its first rehearsal of the new semester. If a large turnout for the first rehearsal means anything, the chorus should have a better season than last.

At present the choral organization is practicing for the concert which it is to give the latter part of March. "On the Road to Mandalay" and "Morning" occupied their attention last Thursday.

Since it has been found difficult to obtain a student pianist to accompany the Glee Club, the club has been without an accompanist. This situation would have continued had not the mother of George Burhop, '33, kindly offered to play. This arrangement has proved satisfactory and has left Dr. Protheroe free to conduct.

Last Thursday seven new men were present for the tryouts. Those who wish, are still able to join the club if they will come for a try-out in the assembly hall this Thursday evening at 5:00.

Trognitz Wins Coveted Trophy for Chemicals

Honors continue to be heaped on Walter Trognitz, Ch. E., '30, track man and ex-captain of the swimming team. In addition to the Phi Lambda Upsilon and Tau Beta Pi keys, he now proudly displays the much coveted "Schmier Chemiker" trophy. This award was made by Professor McCormack who witnessed his experiment in senior chemical engineering laboratory.

Walt's experiment was intended to illustrate reduction and it did, though in a slightly unusual way, for there was a reduction of the paint on the walls of the laboratory in addition to a reduction of his product. The trophy consists of a donkey's head made of lead, neatly tied with red ribbon.

Phi Lambda Upsilon, honorary chemical fraternity, held a short business meeting in its rooms on Thursday, February 20.

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HUMOR

The nature of most men is such that good humor is appreciated and sought. While there may exist some with a cynical nature, an average man has a tendency to read the light, frothy quips of others with a good deal of relish. Realizing that, the "Slipstick" has been an integral part of the paper since the first issue.

The column is a decided asset to the paper, and the success that it has had can be noted by the number of men in classes with a carefully folded copy of the News open to page two and immersed in a formidable appearing textbook. Tuesdays seem to show a decided amount of concentration upon the lesson in the book, as some professors may have noted.

Although nearly everyone can appreciate the column and chuckle at the jokes, few realize the amount of labor entailed in its preparation. Stephen Leacock, one of the foremost humorists, offers facetiously this recipe: "It has long been my custom," he says, "in preparing an article of a humorous nature to go down to the cellar and mix up a half gallon of myosis with a pint of hyperbole. If I want a decidedly literary flavor, I find it well to put in a half pint of paresis."

However, the column conductors realize that it is not an easy matter to furnish a column of good, enjoyable jokes week after week without a contributing body. "It never occurs to the readers," says Leacock, "that making humor is hard, meritorious and dignified; because the result is light and gay, they think the process must be."

In a school of the size of Armour there are bound to be men with the cleverness to write in this vein. We hear a host of humorous repartee in the classrooms, yet the contribution box in the main entrance is consistently weak and wan from the lack of nourishment. It seems too bad that we cannot have dictaphones scattered throughout the school in an effort to save this great waste of material; we feel that the department of economics must be grieved at this loss of energy.

To those who have sent in material and have never seen it in print, we must explain the policy of the paper. The column tries not to use anything that appears to have been taken from any of the copyrighted humorous publications, nor anything whose great antiquity or prevalence would lower the standard of the "Slipstick." Needless to say, jokes that tend too much toward the risque are out of consideration. However, there exists enough humor in the world today of an acceptable nature that this is no great loss.

We hope that in the future the "Slipstick" may more truly represent the humor of Armour. While there are many who faithfully send in excellent material, it would be gratifying to see the competition to make the column more intense, thus giving more originality to it, and at the same time giving the budding humorists the pleasure of seeing their creations in print.

A. B. A.

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

RENAMED

It has been called the coast, the beach,
The strand, and off the lee shore,
But one piece suits on every peach
Have changed it to the SEE shore.

George Washington maintained his good reputation because no prof ever asked him if he understood an explanation given in class.

Introducing Micro Mike

Swede: "Would you marry an idiot for his money?"
Mae: "Oh, Herbert, this is so sudden."
—Micro Mike.

What a feeling? After two hours in the lab and with data that looks too good to be true you find when you go to calculate you forgot one measurement.

What About a Horn? Beep-Beep

A tourist rushed into the country store: "I wanna quart of oil, some gas, a couple of spark plugs, a timer, a five-gallon kerosene can and four pie tins."
"All right," replied the enterprising clerk, "and you kin assemble 'er in the back room if you want."
—Walt.

Ode to the girl that does the shifting—
The first hundred gears are the hardest.

True Patriotism

Criss: "What caused that accident to that flagpole sitter?"
Cross: "He tried to stand up when they played the 'Star Spangled Banner.'"

Tough Kid: "Sure my dad has a big political pull. They gave him the best cell in the jail."
—Joe.

Sounds Silly

One—"Let me give you a tip."
Two—"Tip it."
One—"Go down to the bakery and stand in front of the big oven."
Two—"For why?"
One—"There's dough in it."
—Dick.

Musings

Terrribly warm today, almost feels like Spring—what's the use of working—. It seems to us that life is just a big joke and all the people are a flock of clowns.

Mark this everyone, the period of depression has past. Look forward to prosperity beginning right now. The wolf at the door lost fifteen pounds since the crash—more anon, maybe.

"Do you believe in marrying one's own relative?"
"Of course, I married my wife."
C. G.

Call the Junkman

"Do you think autos are ruining the younger generation?"
"No, I think the younger generation is ruining the autos."
Chester.

Our idea of misplaced endeavor is the lad who is polite to his room-mate.

Only a Buck, Too

It's never too late to subscribe to the NEWS. You who read this probably have done so already, but tell your friends who have not.

Can You Explain This

Every time you study hard and know your stuff, you don't get called on. Then you date one night during the week and the prof is sure to get you cornered the next day. Why?

Some Civil suggested that sponges be mixed with concrete to make the sidewalks softer.

Poise will be poise—even college poise.
Yes, Why?
Politician: "Congratulate me, dear, I got the nomination."
His wife: "Honestly!"
Politician: "Oh, why bring that up?"
—Walt.

Joe is a light-heavyweight—light in the head and heavy in the feet.
—R. K.

She: "Bob put his arm around me several times last night."
He: "Well, he must have a blamed long arm."
—Micro Mike.

Out of Luck Right

Too bad for the sheep herder who didn't know what to do for his insomnia.
—J. P.

Ques.: "Why do snowflakes dance?"
Ans.: "I don't know, unless they're practicing for the snow ball."
—Chester.

Hope you liked it. We don't care whether you did or not.
—K.K.

Professor Lynn Eugene Davies

(A Biographical Sketch)

BY CHARLES BLAHNA, '31

Lynn Eugene Davies, Assistant Professor of Experimental Engineering, known at the Institute and in the commercial world for his work in heating and ventilating, was born in Milwaukee, Wis., on July 1, 1896. He was graduated from the 18th District Grammar School and the East Division High School, both of Milwaukee. In 1915, he entered the University of Wisconsin at Madison, and remained for one year. Being in a state of poor health he was unable to devote the required energy to his studies and consequently became discouraged with the school in general. The following year he came to Armour as a student in order to be with his friends at the Institute and near the offices of the Model Airplane Club of which he later became president.

Because of Armour's higher standards, he had to register here as a freshman instead of a sophomore, as he had expected. Nevertheless, by intense application and summer school courses, he completed his college work in the scheduled four years and received his B.S. degree from the Institute in 1919. He has remained here ever since and next year expects to receive his M.E. degree.

The Wisconsin Motor Company and the Beeler Organization of New York, a firm of traction engineers situated at Wichita, Kans., each were his employers for short periods, but consulting work on heating and ventilating questions makes up all of his outside work at present.

Professor Davies' hobbies are quite expansive; in fact, they reach from the ground up. Four of his

most beloved are gardening, photography, radio and aviation. He confessed that his home is full of snapshots which he had taken at various times. Like all real radio fans, he constructs his own broadcast receivers although "it is hard to keep up with the times." The last hobby, aviation, he does not follow actively, but none the less is intensely interested in current literature on the subject.

In 1921 he married Lucille Parker, a Chicago girl, who lived near Professor Davies' college home. They have two boys.

Perhaps the most notable of his achievements is the set of data on "The Measurement of the Flow of Air Through Registers and Grilles," taken at the Institute for the American Society of Heating and Ventilating Engineers before which he presented a paper on January 29, 1930. The results were of such accuracy as to be adopted by the Chicago Ventilating Contractors' Employment Association and the City of Chicago as a standard. The formula derived has been named the Davies formula.

New Armour Institute Was Planned in 1920

In the Chicago Tribune of February 21, 1930, there appeared under the heading of "10 Years Ago Today" the following article:

CHICAGO—Details for the new Armour institute to be announced today contemplate the expenditure of millions. It will be built at 75th street and Yates avenue on land once the property of "Long John" Wentworth, former mayor. Some time ago Dr. Frank Gunsaulus approached J. Ogden Armour on the subject of purchasing the 30 acre tract for the institute. Mr. Armour agreed to put up \$1,000,000 to buy the land and further said he would give \$5,000,000 to erect new buildings.

Inquiring Reporter

Question: What is the improvement most needed at Armour?

John Wallush, '32, E. E.—The faculty is excellent, but the equipment in some of the laboratories is out of date. I would like to see the curriculum adjusted so that a man wouldn't be rushed through so fast.

Charles B. Sommers, '33 Arch.—I would like to see all of the Architects get together and design a new school and campus for Armour. Something that would actually be built. We surely do need a new field house for our athletes.

Victor Peterson, '32, E. E.—What we need at Armour is a bigger and better lunchroom. A place equipped with more adequate facilities for our student body.

King Sampson, '30, Ch. E.—I would like to see someone jack up the chimneys of Armour and build a new school under them.

L. A. Newman, '31, E. E.—Everything appears to be all right with me, but we could use some new equipment in the Physics lab.

L. E. Sherk, '32, E. E.—New equipment in the laboratories and especially in the Physics laboratory is what Armour needs most. The majority of the meters in the Electrical shop are run down and haven't been calibrated for many years.

An oyster who a pearl contains is just as glum, and just as selfish,
And hasn't any better brains than any ordinary shellfish.

Like a piece of art, a piece of literature, a drop of water, sincerity is simplicity itself. Easy to achieve too—all one has to do is to be himself and sincerity will have been achieved.



A challenge to the imagination

To provide telephone service of national scope, to manage and develop properties valued at more than three and three-quarter billion dollars, to maintain an organization of more than 400,000 people at highest efficiency—such work spurs the creative thought of men of the highest calibre.
Within the Bell System many have achieved outstanding success. Their work

is not only in pure science and engineering, but in organization and management, in salesmanship, financial administration, economics and the many other fields vital to the growth of so great an enterprise.

Because of these men the Bell System is able to furnish the best all-around telephone service in the world. A progressive policy puts at their disposal every aid that a great organization can give.

BELL SYSTEM

A nation-wide system of inter-connecting telephones



"OUR PIONEERING WORK HAS JUST BEGUN"

REVIEWS

HOLIDAY

Presented at the Goodman Theater "Holiday," the current production at the Goodman Theater, is a most whimsical and entertaining comedy.

The play tends to contrast the happiness of wealth with the happiness of living, and has developed this theme with surprising success.

The play is, throughout, most modern. The players have the characteristics of the average persons of today and behave in a manner most natural to this day and age.

Barry must be given a great deal of credit for the extreme cleverness that he has shown in his humor; it is clear, enjoyable, and frequent.

A large portion of the humor is furnished by the contrast between some of the roles, one group being deadly serious and materialistic, while the other is flippant and gay to the extreme.

It has long been a maxim of the theater that their mission is to amuse the audience. I am sure that this play will do that to the playgoer.

American Chem. Society Hears Prof. Kahlenberg

On Friday, February 21, at 7:15 p. m., the American Chemical Society held its meeting at the City Club of Chicago.

There were five other group meetings held later that evening. The speakers for these groups were: E. A. Dieterle on the subject of "Gas Making"; T. R. Hogness on "Photochemistry,"

The Chemical Education group was entertained by Mr. Herbert Smith of the Lake View High School, Chicago.

Dr. Scherger Speaker at Church Banquet

Dr. George L. Scherger, head of the History department, was the guest speaker at the sixth annual Father and Son's Banquet of the Salem Evangelical Church,

Professor Scherger gave a very appropriate address on the occasion to the boys and men of this Southtown community center.

His talk embraced many interesting phases of Lincoln's life and character.

Alumnus Gives Advice to Student

(Continued from page 1) other branches of Engineering. I might say my work has involved engineering, salesmanship, supervision of construction, law, executive and business administration,

I believe any young man contemplating an Engineering course should undertake the work with a keen determination to learn how to think clearly and quickly; how to analyze and compare the many factors entering into the particular problem.

If I were to begin again on an Engineering course, and based upon my past experience, I would be inclined to pursue a diversified course, taking up Mechanical Engineering as the base course and introducing as much Electrical Engineering and Aeronautics as possible.

Too many young men undertake an engineering course without the firm determination to make the four (4) years—and possibly an extra year of post graduate work a serious undertaking.

I know men who have graduated in M.E., C.E. and E.E. courses, also Marine Engineering, who have not strictly followed the work in the course but who have been eminently successful because they have learned to think clearly and possess executive ability.

In the next decade we will see tremendous strides in aeronautics, radio, refrigeration and industrial development; there are just as great opportunities ahead of us as ever before.

Many people are of the opinion that a Civil Engineer is a surveyor or lays out and constructs roads and railroads.

Probably the most outstanding example of engineering mind which possesses other marvelous talents is that of President Hoover.

It is not always the technic of an Engineering course that is the most value, but how versatile the young engineer has developed because he has pursued a branch of study demanding clear thinking and action.

You have inquired if I consider the value of an Armour Institute of Technology Engineering course leading to a B.S. degree comparable to that of other colleges.

Author Gives Unusual View on Locomotives

Justin Sturm, in a novel of his, has a dissertation on locomotives that is herewith given as an example of excellent humor on a very peculiar subject, and should be of interest to civils and mechanicals as an unusual viewpoint on what they might consider as a pure technical device.

"Of all the creatures of commercial enterprise, the railway locomotive is the most delightful to consider. When he is supposed to leave at five-fifteen, he generally leaves at five-fourteen to show his utter disregard for passengers and punctuality.

"The locomotive stays close to the fire in winter, and never misses a breeze in the summer. He is seldom thirsty, and makes a lot of noise if he is not well oiled.

"He travels continually, giving no thought to time or expense. If the hours grow dull, he races an automobile to the next crossing.

"To see a locomotive strolling along, smoking at will and whistling his favorite tune, fills me with envy. He does not have to speak to every one he meets.

Boxers Meet Y. M. C. A. Champs at Armour

(Continued from page 1) er had come through with a dozen good blows.

Since all of the fights of the previous encounter were so closely contested, Coach Weissman put his proteges through an extensive training campaign.

Armour's staff this evening will be composed of Captain Buehling, Whitfield, Ustryski, Schlossberg, Montesano, Morowitz, Taylor and Donnelly.

country. It has the advantage of being located in the second largest city in the United States, which offers the young Engineer an opportunity to be surrounded by and see big developments.

Armour graduates are today occupying some of the most responsible positions in the country. Other universities and technical schools offer excellent courses in Engineering, but I am sure you can get at Armour everything that you will obtain at any other institution.

I sincerely hope that I have given you some information of value and will be very pleased to answer any further questions which you may desire to put.

Yours very truly, H. S. WELLINGTON, '08.

ANNOUNCING THE OPENING OF RALPH'S BILLIARD PARLOR IN CONNECTION WITH RALPH'S BARBER SHOP 117 East 35th St.

FRATERNITY NOTES

PHI KAPPA SIGMA

Following a week of probation, these men were initiated last Saturday night, February 15th: Robert Belford, James W. Juvinall, John H. Miller, Harold A. Feich, Ellsworth E. Eberth, and Herbert F. Vallette.

DELTA TAU DELTA

T. R. Schueler, F. P. E., '31, is going to Lawrence, Kansas, to attend the Western Division Conference as Gamma Beta's representative.

THETA XI

G. A. DeBolt, president; R. E. Long, Don Heller, an alumnus, and R. H. Smethells, a pledge, attended the annual convention of the Theta Xi fraternity last Thursday, Friday and Saturday at Iota Chapter, St. Louis, Missouri.

One of the features of the Convention was the initiation of several pledges from various chapters, among whom was Harry Smethells from Alpha Gamma.

Sunday night nine other pledges began probation week, they are: G. R. Belton, R. W. Carlstrom, W. D. Jackson, T. Leavitt, W. R. Mulrone, C. A. Nelson, J. R. Pechman, J. T. Sorenson and W. W. Tylor.

Last Sunday afternoon a tea dance was held at the Chapter House. The dance was attended by several returning delegates and about eighteen active members and pledges.

SIGMA ALPHA MU

Sigma Epsilon Chapter of Sigma Alpha Mu wishes to announce the pledging of Herbert Kreisman, M. E., '33.

SIGMA KAPPA DELTA

A dance was given by the pledges on Saturday evening, the 22nd of February, during which the pledges presented an extremely skittish skit.

Saturday night was also the start of probation week which will end with the initiation ceremonies, Saturday, March 1. An initiation banquet will be held the same evening at the Morrison Hotel.

PHI PI PHI

At a special meeting for the election of chapter officers for the year 1930 held Tuesday, February 11, the following men were elected: President, C. J. Robin, '31; vice-president, E. F. Leichtenberg, '32; secretary, E. C. Erland, '31.

The National Council of Phi Pi Phi fraternity recently announced the induction of Upsilon Chapter at Oregon State College, Corvallis, Oregon.

TRIANGLE

Probation period started Monday for the following pledges: Robinson, F. P. E.; Bergland, F. P. E.; Dufour, M. E.; Kenner, F. P. E.; Oberbeck, E. E. The initiation banquet following the two weeks of probation will be on March 2.

Everyone who attended the radio dance, held at the House Saturday, February 22, voted this type of dance a huge success.

Burnham Library Gets New Volumes

Among the latest books to be received by the Burnham Library, Art Institute, are: "Tudor Homes of England" and "La Ferronnerie," by Samuel Chamberlain; "Metal Crafts in Architecture," by Gerald K. Geerlings; "Architectural Design in Concrete," by T. P. Bennett, and "Examples of Modern French Architecture," by Howard Robertson and F. R. Yerbury.

A group of foreign publications, including "New Hotels, Hospitals and New Shops" by G. Henriot, and several reprints of other books are listed.

"Bridges," by Charles S. Whitney is especially recommended for both the architectural and engineering students. The author is a member of the American Institute of Consulting Engineers and of the American Society of Civil Engineers.

Riflemen Discuss New Range Plans

The Armour Tech Rifle Club held its first meeting of the Spring semester last Wednesday, Feb. 19, in the Physics Lecture Room at 12:45. The business transacted dealt mainly with getting the club started for another semester.

The latter point is of great importance to the club. For the past few weeks members of the A. T. R. C. have been constructing a firing range in the basement of Chapin Hall.

Richardson Talks About Magnetism

Professor Richardson, in a meeting of the sophomore electricals at 10:30 last Wednesday, related some interesting facts concerning the effect of magnetism upon navigation.

Professor Richardson, who has seen service on a submarine, told of how ships are built to avoid magnetic effects; of how magnetic compasses on board ship are calibrated, and of how gyro and earth inductor compasses work.

Professor Richardson remarked that in building ships they are preferably laid out in an east and west direction. The reason that they are not built in a north and south direction is that the intensive hammering in the earth's magnetic field would tend to magnetize the ship.

A magnetic compass is calibrated aboard ship by taking a vessel into a region of quiet water or its equivalent and accurately locating a point on the shore. Using this point as a reference mark the ship is pointed at definitely known directions and the compass accordingly marked.

We watched the swimmers in action last week at the University of Chicago while they went through their water dog antics. One thing about the swimmers, after a short practice period a fellow comes out nice and clean.

by Range Officer R. A. Hess, '31, to prevent calamities when one enters the door. By the system all firing has to stop when the person wishing to enter knocks. It was decided to let only those who were members of the club and who had paid their dues use the range continuously.

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TECH BASKETBALL SQUAD LOSES TWO MICHIGAN GAMES

Teachers Win, 35-20 St. Mary's Rolls Up 42-27 Score

ROBIN, OTT SCORE MOST

A traveling Armour Tech team lost two games by decisive margins on Thursday and Friday nights. Michigan State Teachers at Ypsilanti won a 35-20 contest and St. Mary's at Orchard Lake rolled up a 42-27 score.

The two games showed entirely different styles of play on the part of the Tech cagers. At Ypsilanti, Armour met a mediocre team, but suffered a bad off night. The Tech players were dead on their feet with the result that the green-clad teachers scored 12 short baskets on fast-breaking plays. Armour dropped in three ringers all told.

Ypsi scored first with a field goal, but Simpson and Robin dropped in free throws to tie it up. Then the green drew away to a 9-2 lead before Armour scored again. Baskets by Ott, Miran and Robin pulled Armour's score to 11 at the half, while Whitney and Gabel were adding 6 points for Ypsi.

The first five minutes of the second half showed a flash of form by the black and yellow, but as soon as that flash ended the green began to pile up a big lead. Tech's offense was dead, fumbles and bad passes wrecking every scoring opportunity. Time after time a green player worked in for a free shot under the basket to run up the score. Armour's only short baskets came at the end when Lind made a follow up and Rossing sank a short one.

Whitney and Giles led the scoring with eleven and nine points. Ott made six points to lead the losers.

The game with St. Mary's was an entirely different one. In St. Mary's Armour met the best team it has faced this year. In twelve games played previously, ten were won by the maroon team.

The game started off slowly with neither team taking any chances. It was three minutes before St. Mary's scored a basket, but Robin's short shot soon tide the score. From then until 17 minutes of the half had elapsed a nip and tuck battle resulted with St. Mary's leading by two points. In two minutes, however, the maroon dropped in three baskets to lead by 20-12 at the half.

The second half was a free scoring battle, St. Mary's scoring 20 points to 15 by Armour. The fast breaking maroon five drove in for basket after basket to roll up a total of 18 field goals. Every man contributed at least one basket of that total. Robin, Miran, Tell and Rutkowski dropped buckets for Tech to roll up the 27 points.

Armour showed some of the best team work of the season in working the ball down for short shots. Robin collected four baskets and a free toss to lead Armour's scoring with 9 points. Miran's six points were second high. Grulkowski scored 12 points to lead St. Mary's.

Lineups			
ST. MARY'S 42			
	B.	F.T.	P.
Malinowski, f.	2	1	1
Felckowski, f.	4	0	2
Smokoski, f.	1	0	1
Grulkowski, c.	4	3	3
Kaczmarczyk, c.	1	0	3
Zawistowski, g.	3	0	0
Kucia, g.	2	1	2
Newman, g.	1	0	0
	18	6	12

ARMOUR 27			
	B.	F.T.	P.
Simpson, f.	1	2	1
Ott, f.	0	2	1
Robin, f.	4	1	3
Tell, f.	1	0	0
Rossing, c.	1	0	3
Lind, f.	0	0	0
Miran, g.	2	2	0
Rowley, g.	0	0	0
Rutkowski, g.	1	0	3
	10	7	11

Swimmers Drown Chi. Normal 47-13

Armour's versatile swimming team added another victory to its record of wins when it defeated the Chicago Normal College swimming team 47 to 13. The meet was held at the Bartlett swimming pool of the University of Chicago at 57th street and University avenue last Friday night, Feb. 21.

Several new men showed their calibre in this meet; Carlstrom a free-style man, Byanskas of Wisconsin University and Lindbloom High School fame and La Force ex-Tildenite crawl man.

The new relay team consisting of Carlstrom, Byanskas, La Force and anchor man Knox worked up a good 15 yard lead in the 160-yard event, an unusually healthy lead. This quartette would no doubt look good against any big-ten relay. That ex-captain Trognitz and Cavanaugh should lead the field in the breast-stroke was to be expected.

Carlstrom, a newcomer, gave the boys a thrill when he touched Knox out for the 40 yard free event. From their showing in this meet, Byanskas and La Force should make some attacks at the old Armour time records in the next meet, with gratifying results.

Summary of Events

Armour vs. Normal College
160 yard relay—won by Armour team (Carlstrom, Byanskas, La Force, Knox); Normal team second (Simon, Goodheart, Herman, L. La Force); time 1:26.

100 yard breast-stroke—won by Trognitz, Armour; Cavanaugh, Armour, second; Goodheart, Normal, third; time 1:16.4.

40 yard free-style—won by Carlstrom, Armour; Knox, Armour, second; Herman, Normal, third; time 0:21.4.

60 yard backstroke—won by Weston, Armour; La Force, Armour, second; Simon, Normal, third; time 0:44.4.

Fancy diving—won by Strauch, Armour, 93; Thompson, Armour, second, 73; Goodheart, Normal, third, 71.

100 yard freestyle—won by Byanskas, Armour; La Force, Normal, second; Simon, Normal, third; time, 1:02.

220 yard free-style—won by Davison, Armour; Davidson, Armour, second; La Force, Normal, third; time 2:48.3.

Tech Battery in Early Workouts

Tech batsmen will find the pitching staff a live proposition when the batting practice begins late next month, due to the foresight of Coach Krafft in again following his time-tried policy of an early start for the battery. At present, the candidates are working four days each week in the gymnasium, the periods varying from forty minutes to one hour. Indications are that no lack of good material will be felt in either section.

With the close of the basketball season, Captain Simpson will turn his attention to baseball and begin rehearsing his role as mainstay of the pitching staff.

Stehno is working out regularly and is showing Buehne, Patla, Rooney, and Sommers the freshman candidates, how to put some smoke on the ball. Cannell, a sophomore, has no competitors for he is the only left-handed pitcher that has reported.

If Link's side does not trouble him, he will become the first-string catcher. However, should this be impossible, Coach Krafft will put Shortstop Weldon behind the plate. Drigot, Davidson, De Orto and Pihl are the other catchers.

Several of the universities in the East, Yale, Dartmouth, Columbia, and Pennsylvania, are going to play their baseball games with the coaches of the opposing teams off the benches.



JUNIORS WIN TRACK CHAMPIONSHIP BY VERY CLOSE MARGIN

Third Places Determine Victors in Meet Saturday

FROSH CAUSE BIG UPSET

Final Standing
Juniors 20
Seniors 18
Freshmen 16
Sophomores 0

Saturday afternoon in Bartlett gymnasium, University of Chicago, the interclass track championship was determined. It was not until the results in the final event, the shot put, were posted that it was known that the class of '31 had again won the coveted title.

Three men, Vernon Sturm, Harold Fox and Robert Corpstein were the outstanding performers of the day. Each won a first and a second place for eight points toward his class total. However, it was not the first places which ultimately decided the victors. The Juniors with four third places coupled with two firsts and two seconds gathered enough points to beat out the seniors.

Frosh Takes Mile

In the mile run Iverson began like a flash and led the field for four laps when James took the lead from him for the next five circuits. A new man, Sademan, then proceeded to show why he was the star miler at Lane Tech when he showed the field a clean pair of heels for the final two laps to lead at the finish by 15 yards.

Timmermans, varsity half-miler, had things his own way in his specialty race, the 880 yard run. From the starting gun until the final tape was reached he led the field by a wide margin. His time for the event was 2:09 9-10 seconds. Sorenson, a freshman, finished second a fraction of a second behind Timmermans.

Paul Wins Shot Put

The high jump provided a real surprise when Captain Don Paul of the track team went out at five feet four inches after Corpstein had easily cleared the bar at this height. Had he been pressed Corpstein could probably have made a much higher jump. Kara tied with Paul for second honors. The shot put event was awarded to Don after he had made a heave of 44 feet 2 1/2 inches. Kara and Corpstein staged a desperate battle for second honors for if Kara would have taken this place the seniors would have tied with the juniors for first place in the meet. A distance of 33 feet by the freshman could not be duplicated by Kara whose best throw was 32 feet 7 inches.

Fox and Sturm

Harold Fox and Vern Sturm had a little personal competition during the meet. Sturm nosed Fox out in the 440 by a matter of 2-10 of a second, then Fox beat Sturm in the 220 by 1-10 of a second to even the score. The junior success hinged primarily around this man Fox who did some fine work for his class.

The championship junior class team was composed of the following men: C. H. Fox, H. L. Fox, A. H. Jens, D. J. Iverson, F. M. James, R. A. Timmermans, A. Monesano, C. J. Jens. The seniors presented a team composed of four men, the

TECH SHORTS

Hi Men

Our salutation each week since early in November has usually been a short encore on basketball. We hope that this will be our last contribution along this line, that is, until Krafft makes a call for material next season.

At one time this season the Tech basketball record stood at five wins against two losses. Then came a series of tough breaks with injuries and illness playing the principal part in the demoralization of the squad. In spite of this, several heart-breakers were lost by slim one and two point margins. Perhaps had Tech presented its full strength in these encounters the won and lost percentage would be much more impressive.

The season closes on Friday when Tech engages the St. Mary's squad at our own floor, the 8th Regiment Armory. If you have not yet seen the boys in action, this is your last chance this year.

Last Time for Simpson and Rowley

Friday's game will conclude Captain King Simpson's collegiate competition as a basketball player. This is his fourth year as a regular on the Varsity squad. Jeff Rowley, our basketball correspondent, will also conclude his basketball activities in this contest.

Another New Feature

Today the boxing team introduces to Armour for the first time in the history of the Institute a series of boxing matches with an outside school. Your attendance at this meet will insure others of a like nature in the near future. Thus far our boxers have appeared before hostile crowds. Now is their opportunity to show their ability before a friendly group.

Maxwell Larkin, who captained the squad last year, has been forced to abandon his ring activities. For reason see Mr. Larkin in person.

The Sprig

This Spring weather is suggestive of many things. For instance, a game of tennis, or golf, the Cubs, even the Sox, et cetera.

Left Handers Still Wanted

Left-handed pitchers are wanted for the Tech baseball squad. Southpaws apply to Coach Krafft for instruction. A. H. J.

sophomores had three men and the freshmen eight.

Summaries

One mile run—1st, Sademan, freshman; 2nd, James, junior; 3rd, Iverson, junior. Time 4:48 2-10.

440-yard run—1st, Sturm, senior; 2nd, H. L. Fox, junior; 3rd, C. H. Fox, junior. Time :54 7-10.

380-yard run—1st, Timmermans, junior; 2nd, Sorenson, freshman; 3rd, James, junior. Time 2:09 9-10.

220-yard dash—1st, H. L. Fox, junior; 2nd, Sturm, senior; 3rd, C. H. Fox, junior. Time :24 9-10.

High jump—1st, Corpstein, freshman; 2nd, Paul and Kara tied, seniors. Height 5 feet 4 inches.

Shot put—1st, Paul, senior; 2nd, Corpstein, freshman; 3rd, Kara, senior.

Not only mightier than the sword is the pen, but more dangerous, for the sword-wound may heal, but the pen-wound is ever an open sore.

Hold Last Cage Game on Friday

The clash with Michigan State Normal College slated for Friday at the 8th Regiment Armory will terminate the A. I. T. basketball schedule for the 1929-30 season. This is the return engagement of the Ypsilanti quintet who presented a fighting aggregation on Armour's recent tour of the Detroit area.

Two such closely matched quintets, Armour and Michigan State, playing together for the second time within a fortnight will probably offer plenty of thrillers to keep the crowd on edge throughout the contest.

After the game last week, the students at Ypsilanti threw a social in honor of the Chicago engineers. Although the Armour co-eds are planning no such reception for the Normal boys on their visit to the Windy City, it is expected that a capacity crowd will witness the curtain-ringers on a fairly successful cage season.

Tibbals to Call Tennis Candidates

Preparations are now under way for the organization of Armour's 1930 tennis team, according to word received from Captain Albert Winkler. Coach Tibbals is expected to issue his call for prospective candidates in about ten days. Elimination contests will follow, and selection of members for the team will be made whenever a candidate's merits qualify him for a position on the squad.

At present, only two lettermen remain from last year's roster. Eddy and Winkler survive as the two experienced candidates. Walter Scott and Schirmer are looked upon as good prospects.

The manager's position has not as yet been filled. Election of a student to this office will be made within the next week.

Armour Swimmers to Meet Normal Thursday

Tech swimmers will engage in a return meet with the Chicago Normal College at their pool on Thursday. Normal College is located at 69th street and Normal avenue. The schedule time for the meet is 3:00 p. m.

Armour was fortunate not to lose any of the swimming squad because of eligibility. A newcomer, Byanskas, has strengthened the team considerably. He recently has matriculated to Armour from the University of Wisconsin where he was a member of the varsity swimming team.

If the team can duplicate some of the times made in trials in the practice sessions Chicago Normal has much to fear. The Tech specialty artists, Trognitz, Strauch, Knox, and several new men will give the Normal lads plenty of competition in all events.

A meet is being planned with Crane College for the near future, perhaps next week. In the past Tech has not been very fortunate against the west town team.

Track Men Plan Vigorous Season

An indoor track meet is scheduled with Loyola for next Saturday at 3 p. m., to be held at Bartlett Gymnasium. The running events will probably be the 50-yard dash, the 50-yard high hurdles, the 440-yard dash, the 880-yard run and the mile and two mile runs. The field events will consist of the high jump, pole vault and shot put. The meet will wind up with the two-lap relay, consisting of four men each running one-half of a lap.

The strength of Armour's team can be gauged by the outcome of this first indoor meet, for Loyola usually has a fine array of runners. This year many dual meets have been scheduled because the team is stronger in that type of competition than in triangular or quadrangular meets.

In all dual meets the points are as follows: 1st place, 5 points; 2nd place, 3 points; 3rd place, 1 point, and the winning relay team receives 5 points.

The distance men are concentrating their efforts for the Illinois Relays to be held at Champaign on Saturday, March 15. Coach Stag plans to enter a two-mile relay and a medley relay team in this meet. He will probably choose the four men who will each run a half mile in the two-mile relay this week. Don Paul is also expected to enter the meet competing in the shot put.

The Second Annual Armour Invitational Indoor Track will be held on March 29. Practically thirty colleges are planning to compete. This year the University of Chicago will enter because their team will be out of town at a conference meet. This will give the smaller teams a better chance because the U. of C. men last year won the majority of the events.

This year the track team will journey to Lake Forest, Milwaukee and probably to Des Moines in April for the Drake Relays.

The final track schedule will probably be:

Indoor Track	
March 1	at 3 p. m.—Loyola at Bartlett Gym.
March 22	—Sears-Roebuck, Y. M. C. A. and Chicago Normal at Bartlett Gym.
March 29	—Second Annual Armour Invitational Indoor Track Meet at Bartlett Gym.
Outdoor Track	
May 3	—First Annual Armour Invitational Outdoor Track Meet at Armour.
May 17	—Lake Forest at Lake Forest.
May 24	—Wisconsin State Normal at Milwaukee, Wis.

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