



N. S. P. A. GIVES EXCELLENT HONOR RATING TO NEWS

Fine Mark in Editorial and Entertaining Matter

NEWS IS IMPROVING

The *Armour Tech News* received the First Class Honor rating in the recent survey of the National Scholastic Press Association. This is the first year that the *News* has been rated.

Five ratings are given by the N. S. P. A., first, the All-American second, the First Class, third, the Second Class, fourth, the Third Class, and last, the Fourth Class. The All-American rating is given only to distinctly superior papers.

The ratings are not in the nature of a competition but rather a grouping of papers according to quality. It is planned to enter the *News* in the rating service annually.

An especially fine grade was received on the editorials and entertaining material. The largest score deducted was for poor headlines and makeup. The criticisms are being studied in order to remedy the faults.

Purpose of Paper

According to the National Scholastic Press Association, the primary service which a school newspaper should seek to render is to provide an organ of information that will present all the news desired by those who are actively interested in the school—the students, the faculty, the parents, the administration, and, to some extent, the former graduates. It should also provide an organ for the expression of student thought; it should promote and encourage worthy school activities, true sportsmanship, and scholarship, and it should create a wholesome school spirit, supporting the best traditions of the school.

In order that the staff of the *Armour Tech News* may learn of the newest ideas in scholastic journalism, they have subscribed to "The Scholastic Editor," which is the official organ of the National Scholastic Press Association. By utilizing this service, and constantly striving to improve the paper in every way, it is hoped that the *News* will be awarded the All-American Honor Rating next year.

F.P.E.'s Hear Talk; Smoker Planned

The fire protects were fortunate last Friday in having Mr. Wellington A. Townley, a noted authority in the insurance business, address them at a meeting of their society in D Mission at 10:00 a. m. His topic was "Salvage Operations," and as the former president of the Underwriter's Salvage Company, he was particularly interested in dealing with the relationship between the fire insurance patrols and the particular field of which he is head.

Townley on Committee

Mr. Townley is heartily interested in the fire protection engineering course at Armour for he is a member of the scholarship committee which passes on candidates for the course and is an honorary member of Salamander, the honorary fraternity of the fire protects. He also serves in the capacity of Professor of Insurance at Northwestern University.

Definite plans have been made for the annual smoker of the F. P. E. S. It is to be held on Monday evening, May 16 at the Theta Xi house. All members of the department are urged to attend. E. A. Scanlan, president of the society and in charge of arrangements assures an evening of fun for all.

"Junior Week" Is Presented by Class of 1933

A holiday atmosphere will replace the usual routine this week as the 1932 Junior Week events are staged. The class rush, the Circus Day pageant, the Junior Prom, the annual concert, and the various athletic events are the highlights of the week.

Things will start popping tomorrow with the pentathlon at 9:30 in the morning, the Armour-Lake Forest baseball game in the afternoon and the interfraternity sing and annual musical concert at eight o'clock in the evening. The Dramatic Club's presentation of "The Silent Alarm" will be a feature of the evening's program.

Fraternity Meet Thursday

Interfraternity track will be the focus of attention Thursday morning at nine, when the various houses meet once again to demonstrate who can run the fastest, jump the highest, etc. The rivalry which normally is rather subdued has been fanned into heat by the recent interfraternity competition in indoor baseball, tennis, and golf, so that a snappy track meet is expected.

Another ball game, a non-conference tilt with Michigan State Normal will complete Thursday's program.

Class Rush Friday

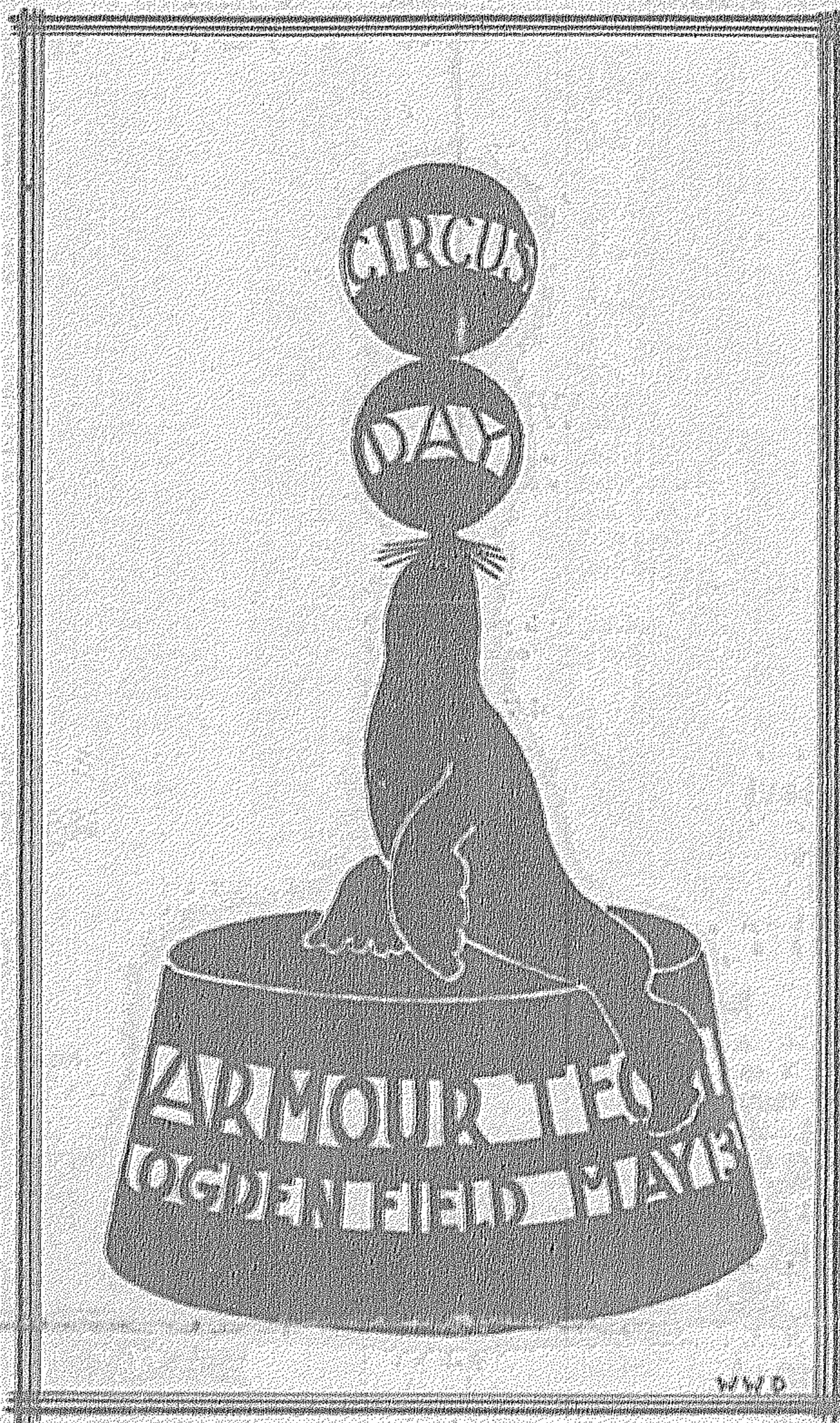
All events are merely the beginning of the climax of the week's—or year's—activities, which take place Friday. The Soph-Fresh class rush, the Circus Day antics, the inter class relay, the interfraternity relay, and the Junior Prom are all to occur within that short span of twenty-four hours, known commonly as Friday.

The two relays are scheduled for Friday morning at 10:30 A. M., and 11:30 A. M., the class rush at 1:00 P. M., the interfraternity stands at 2:00 P. M., and the Prom in the evening.

The event of the year which holds most interest for the two lower classes is the annual Fresh-Soph rush to be held Friday at 1:00 P. M. In the past it has been customary for the two classes to line up at each end of Ogden Field, the sophes attired in red shirts and the fresh in green. At a signal from the Fresh-Juniors, each line surges forward toward the sticks of straw and sand piled in the center of the field and endeavor to dig the sticks back to their respective goals. At the end of ten minutes, a halt is called and the sticks counted, the sand sacks scoring five points and the straw sacks one point.

Junior Conduct Activities

As the name implies, Junior Week activities are supervised mainly by members of the Junior class. Junior Marshal L. C. Johnson and his committee of assistants will be much in evidence, seeing that the events are run off in an orderly manner (excepting the class rush activities which are exceedingly informal). The members of the supervising committee are, L. C. Johnson, M. J. Brisman, R. W. Carlstrom, E. J. DeFoor, and O. T. Harwell.



Fraternity stands, which give Friday its title of Circus Day, are in process of final polishing and will be ready for the judges' decision.

Competition on Circus Day

The judging of the stands is on the basis of originality, execution, and reaction of the spectators. Close competition in this field is seen by the fact that three different fraternities have won the contest in the last three circus day meets. The winners at the Class Day Skills in the last three years have been Theta Xi, Sigma Kappa Delta, and Phi Kappa Sigma.

The Armour yearbook, the *Cypher*, is to be distributed sometime Friday. About eight hundred student copies will be given out.

Junior Prom Friday Evening

As a final polish to be added to

Junior Week activities, the Junior Prom of Friday evening in the Gold Room of the Drake Hotel is offered to socially inclined Armour students.

Although Open House is usually held on Monday of Junior Week, this year it has been postponed until Friday, May 27.

Junior Week is being held a little earlier this year than formerly, causing a conflict with the schedule of night school classes and necessitating the change of the date for the annual Open House. On this day Armour's doors are thrown open to the public and an "inverse inspection trip" will be held.

May Concert Held Tomorrow

Special rehearsals of the musical clubs and the dramatic club have been held in order to make tomorrow evening's program of as high caliber as the talents of the participants will permit. The dramatic production,

"The Silent Alarm," is a response to the demand created by the play given at the Christmas Concert.

During the evening the ten Honor Cycles will be given out, as has been the custom for several years. Ten members of the graduating class have been selected on a basis of scholarship, and general extra-curricular activity.

Fraternities Sing for Cup

The Interfraternity Sing competition will also be held during the evening. The various social fraternities have been busy of late, turning up their voices in preparation for this event. The close ranking of the various houses in this event may be demonstrated by the fact that in the last three years, three different houses won the silver cup which is offered. The harmonious groups are Delta Tau Delta, Phi Pi Phi, and Triangle.

Fresh-Soph Test Strength

All signs point to another fresh victory in the class rush over the weakened ranks of the second year men. Apparently an added year of engineering studies does not compensate for the decrease in class numbers suffered as a result of these studies. At any rate, the fresh have been victorious in the past three years.

The formal conflict on the field, strenuous as it is, is but incidental to the terrible deeds which usually take place on the Thursday night and Friday morning preceding.

Class Leaders Kidnaped

Three years ago, both class leaders were kidnaped before the rush. The soph leader found his way back in time to see his men be defeated, but the fresh leader arrived a half hour after the decision was made.

Two years ago, Michigan Boulevard was the scene of several fraternity raids and promiscuous mixups as the two classes fought to fight it out beforehand.

A year ago, the fresh were hounded outside machinery hall with a hailstorm of ancient eggs.

This year, precautions are being taken by both classes to guard against the kidnapping of class leaders, but as several scraps have already demonstrated, feeling is running high. The forcible ejection of sophes from the recent freshman class meeting shows the spirit of the first year men.

Juniors Have Upper Hand

Although the rush is a fresh-soph affair, the juniors will be much in evidence. If any undergraduate strikes about during the rush wearing a yellow sweater and wielding a paddle handily, the person in question may be safely assumed to be a junior and is to be respected. This advice was forthcoming from one who apparently had had previous experience.

Armour Grad Speaks To A.S.M.E. Meeting

The Armour Branch of the A. S. M. E. met Friday, May 6, 1932 wherein Mr. F. A. Manke, a development engineer with the U. S. Gypsum Co., spoke on "Development and Promotional Engineering." Mr. Manke graduated from Armour in 1923.

His speech dealt with the business end of engineering. He stressed the fact that in the organization of a new business, products, processes, and equipment must be chosen correctly. The market for the article must also be studied in regard to competition, field and use. It must also be considered whether the processes can be improved. With equipment comes the factor of costs and patents.

SPHINX PLEDGES

Sphinx, honorary literary society, wishes to announce the pledging of M. A. Collick, W. W. Lange, and H. M. Kreisman.

Chess Fans Meet For Competition Tomorrow Final Day

Enthusiasts in the coming Armour Tech Chess tournament now have something bigger and better to look forward to. The new idea involves an active and permanent chess club. Although there are not yet any definite plans, the new club is entirely possible and very probable. Professor Ensz has approved the idea and has expressed his willingness to be the faculty member if the club is formed.

The game seems to be much more popular this year than previously. This fact is evidenced by the interest being shown in the tournament. Quite a few students have signed the bulletin board for a chance to play and are now in midst of thoughtful practice.

Those students or instructors who are interested either in having the game or in forming the proposed club should see White, Viel, or Lomasney as soon as possible.

ARMOUR FORMAL ENDS JUNIOR WEEK FRIDAY EVENING

Maitland's Orchestra Will Play at the Drake Hotel

EXPECT LARGE CROWD

The grand finale which will complete the various activities of Junior Week, will be the annual Junior Formal Dinner Dance, which will be held this Friday evening, May 13, at the Gold Ballroom of the Drake Hotel. This affair will be the last social event of the year for Armour and the last to be attended by the present senior class.

Today is the final day for the making of reservations, and the latest reports indicate that a large number will attend. A considerable reduction in the price of the bids over that of previous years insures a large attendance.

Dance from 9 to 2

Syncopeation will be provided from 9 till 2 by Johnny Maitland and his orchestra, whose seductive strains will agree closely with the colorful atmosphere of the Ballroom.

Patrons and patronesses selected for the occasion are: Professor and Mrs. H. T. Hoald, and Professor and Mrs. J. J. Schommer.

Chefs of the Drake hotel have an enviable reputation for preparing fine food which will undoubtedly be the best obtainable. The following menu will be served, starting at ten-thirty:

- Fruit Cocktail
- Cream of Broccoli
- Celery and Mixed Relishes
- Toast Melba
- Beef Tenderloin Steak
- New Green Peas, au Buorre
- Potatoes, Long Branch
- Frappe aux Rose
- Drake Salad
- Lorenze Dressing
- Toasted Wafers
- Chocolate Noluako
- Petit Four
- Deaf Tasse

Each table will be set for two couples.

Committee Makes Plans

Arrangements for this formal event were carried out by the committee composed of Harold Bodinson, chairman, Norman Penfold, Blaise Guettler, Jack Peckman, and William Lange.

As a tradition at Armour the Junior Formal Dinner Dance every year is the big occasion, climaxes Junior Week, and the entire social season of Armour. The Junior social chairman and his committee have spent much time and effort in preparing this gala occasion, and have as a goal, the assurance that the dinner and dance will be the finest that ever has been held.

Fraternity Sing, Musical Clubs, Armour Players Feature Concert

The Annual May Concert will be presented Wednesday evening of this week, May 11, at 8 o'clock in the Assembly Hall.

Featured in the evening's entertainment, are the musical clubs, and the dramatic club, all participating with the one desire of making the concert a successful summary of their year of activities. The Glee Club, with Dr. D. E. Protheroe directing, will present several interesting and entertaining numbers.

Orchestral numbers, popular airs by Stresses and Strains, and an interesting humorous skit, "The Silent Alarm," are all lending individuality to the program. Also the fraternity sing will be presented by the social fraternities of the campus.

Announcement of the honor cycle awards to the class of '32 will also be made during the evening. There are ten of these honor cycles given out yearly.

The complete program follows:

ORCHESTRA

1. Victor Herbert's Favorites Herbert
2. Spanish Dance Rehfeld
- Violin solo by E. H. Lousche
- GLEE CLUB
1. Armour Fight Song Whitfield
2. The Gay Troubadour Wellesley
3. Alexander Ewener
4. Hoodah Day (Yale Glee Club) Bartholomew
5. Landslighting Grieg
- Solo by A. Tiemann

STRESSES AND STRAINS

1. Wabash Blues Meinken
2. Medley—Can't We Talk It Over Petkere
- Starlight Young
- Shadows in the Window De Rose
3. Medley—Somebody Loves You Noble
- By the Fireside King
4. Saw solo—By James Kittie Marks
5. The Waltz You Saved for Me
6. You're the One

(Continued on page 4)

Tomorrow Final Day For Announcements

The time limit for commencement announcements has been extended through today and tomorrow so as to include those who like to place their orders in the last minute.

The first installment will be obtained from the printers in about three weeks.

Jerome B. Dirks headed the committee on announcements and was assisted by H. C. Rossing, J. S. McCall, G. L. Bonvallet and J. R. Jackson.

PUBLICATIONS BOARD

The board of publications will meet in the Tau Beta Pi rooms at 10:30 a. m., Friday of this week. Revision and acceptance of the constitution will require most of the period. At this meeting the decision on a point of misunderstanding will be given by Mr. Adleman, secretary of the development committee.

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A man of intellect without energy added to it, is a failure. Chamfort.

GRADUATE STUDY

There is a very good opportunity for graduate study at Armour Institute beginning next fall. With the new courses that have been arranged an Armour man will find that the best possible advantages will be offered at his alma mater for advanced work. In the past there has been difficulty over the transfer of credits at other schools where the courses differ slightly from those we are accustomed to take.

Now that there is a decided scarcity of positions available to the coming college graduate it would be an extremely wise policy to earn an advanced degree. Of course such a degree has a cultural value that is easily recognizable. But in this age of keen competition and valuation of everything in terms of dollars and cents the degree takes on added significance.

As soon as business recovers to the point where it needs more technical men in fairly large numbers, a large number of college graduates will make their presence known. Men that have been forced to accept positions outside their own field until the readjustment will put in their appearance. With this competition among the number of men available to an industry the man with the more education will stand the better chance of securing the more fruitful of the positions that are offered.

In this present age a college graduate is no longer a rarity. Many of them are ready and willing to work for wages that would have seemed unbelievably low just a few years ago. These men, all coming as they do from four year courses, will be called upon to fill the rank and file of the opportunities that present themselves.

In an economic system that calls for competitive employment the man who has a fine position to offer is going to shop for the man he wants. It is easily seen that he will choose the man with the greatest amount of training rather than the routine graduate of a standard four year course. Because of the fact that employment is rather scarce and the fact that the Institute is offering graduate courses, opportunity's knock should be heeded.

O. T. B.

"The Slipstick"

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

Efforts Rewarded

A touring party, in the Alps,
Climbed up the most rugged trail,
On which it would be certain death,
If a step or rope should fail.
They reached the peak, and there they stopped,
To view the country around.
They were so awed by the grand view
Not one made a single sound.
An old man first broke the silence,
On his face was a broad smile.
He cheered a while and then he said,
"At last I can spit a milk!"

'OO'S 'OO IN JUNIOR WEEK JUNIORS SOPHOMORES

FRESHMEN

SENIORS

The Old Maid: "Has the canny had its bath yet?"
The Maid: "Yes, he has ma'am. You can come in now."
Royal T. P.

The doctor had forgotten his patient's name, but not willing to admit it, said, "Is your name spelled with an 'r' or an 'e'?"
The astonished patient answered, "Why doctor, my name is Bill!"
—The Kid.

"Twas the day of the *Clown Show*, the program's delight,
That the *Red Show* and the *Green Show*,
I certainly had a ripping, good time."
"Yes", responded the *Green Show*, "we were not dyed in vain!"

RATHER CLEVER WE THINK

Fred, Colvert: How would you tell the height of a tower by means of a barometer?
When Soph: I would lower the barometer from the top of the tower, then I would measure the rope.

Have the Angels No —s?

Small Boy—Paw, do angels go to Heaven?
Dad—No, Son, a cat is an animal and animals have no soul, and anything that has no soul cannot enter the Kingdom of Heaven.
Small Boy—Well, then, Paw, do little children go to Heaven?
Dad—(Warily) Nah!
Small Boy—But, Paw, what do the angels use for hair-strings?

The difference between a hairdresser and a sculptor is that while the hairdresser curls up and dyes, the sculptor makes faces and busts.
Beauty.

A freshman received a paper with the following upon it: "D— your paper!"
He took it back and asked, "Please, professor, what is the mark?"

He was peeping his way carefully round and round a page. Finally he muttered resignedly, "See, see, 'm walked in."

SQUIP SQUIBBED!

The missionary, brave but wary,
Paced the Zulu group,
Cut off his head, the chieftain said,
And we'll have mesquite soup.

"Please reconsider, Helen. If you don't I swear I'll blow my brains out!"
"Oh, that would be a good joke on Dad. He thinks you haven't any."

He—Where did you skate when you first learned?
She—Why, you horrid thing.

IT TAKES ALL KINDS

Caller—"I want to see the manager. Is the gentleman in?"
"Yes, I'm here."
"Are you the manager?"
"No, I'm the gentleman; the manager is out back somewhere."

Almost every quiz goes to prove that a fool can ask more questions than a wise man can answer.

A catchy ONE

Greeter: "Here's your flypaper. Anything else?"
Routier: "Yes, sub. I want 'bout six raisins."
Greeter: "Six? Do you mean six pounds?"
Routier: "No, sub. Six am plenty. I just want 'em for decoys."

She—"So you're from the garage. Are you the man who greases cars?"
Him—"Oh, no indeed, lady—only the cushions. I'm the repair man."

Give us this day our daily dread . . . !

Diamond.

ARX NEWS

A. Wischer and R. Peterson in collaboration with two landscape architectural students from the University of Cincinnati, forming two teams, an architect and a landscape architect are in the final stages with their problem. They are working on the Collaborative Problem for the Edward J. Ryerson Traveling Fellowship of the Foundation for Architects and Landscape Architects, of Lake Forest. That is the month-filling title of the competition.

The subject of the problem is the design of the headquarters building for the Garden Club of America to be used during the Century of Progress Exposition in 1933.

And last, but not least, is the award of \$2500 to the winning team.

The lower school of the Art Institute has had some photostatic copies of the minute sketches in the Life classes of Armour, the work of A. Cole, R. Phalk, R. Scabbie and G. Terr. Their use is probably for instruction purposes.

The good news is well around now. J. Sandstedt rated a mention on his Esquise-Esquisse, "A Water Tower for a College Campus." That's good work, Sandy.

Sure Spring Signs

Seniors—Dreaming of commencement.

Juniors—With their heads over their boards (which are vacant).

Sophs—Playing indoor in Grant Park at a dime a chance.

Fresh—Talking of initiations and paddles—analyt' finals and such rot (heh heh!).

And speaking of that Freshman initiation, salt water sure is a wonderful thing.

Senior Electricals Visit Edison Plant

Members of the senior class in the department of electrical engineering journeyed out to the Crawford Avenue Station of the Commonwealth Edison Company yesterday under the direction of Professor E. H. Freeman.

This steam generating plant, furnishing the power for the west and southwest sides, has a modern installation.

A high, direct voltage testing set using Kenatron tubes was seen. With this rectified the Edison engineers are enabled to make excellent tests on cables.

The Juniors appear to be walking about with their heads in their hands; the cause according to someone is this—out of 65 projects sent to New York this semester the boys have received the large total of 6 full mentions. What a small senior class there is in the offing!

Wilfred (Bill) Davies is the new president of Tau Beta for the coming year—incidentally—Bill is thinking of a certain trip east to the good old Potomac. Say hello to Herbert, Bill.

If anyone wants the snake that bothered Wally Anderson out at Evergreen last week they'll find it in Frank Dubsky's golf bag.

HERE'S ONE FOR THE BOOKS

- A—spirations.
- R—estorations.
- C—onsternations.
- H—allucinations.
- I—nspirations.
- T—emptations.
- E—xaltations.
- C—aputations.
- T—ribulations.
- S—ubstitutions.

Professors Meet Honor Students

Dean Penn and Professor Paul, along with professors from Northwestern and the University of Chicago, studied the records of and met forty-eight honor students from Chicago high schools last Thursday in the offices of Benjamin F. Buck, assistant superintendent of schools, for the purpose of selecting five of them to receive scholarships next year.

The University of Chicago took three of the students, Northwestern two, and Armour one. The names of those who won the awards will be announced on the night of May 13 at the annual civic assembly in the Studebaker theater.

There were two students from each of the high schools present. They had been selected for high scholarship, leadership, and participation in school activities. Among them are editors of high school publications, class presidents, athletes, and those interested in dramatics.

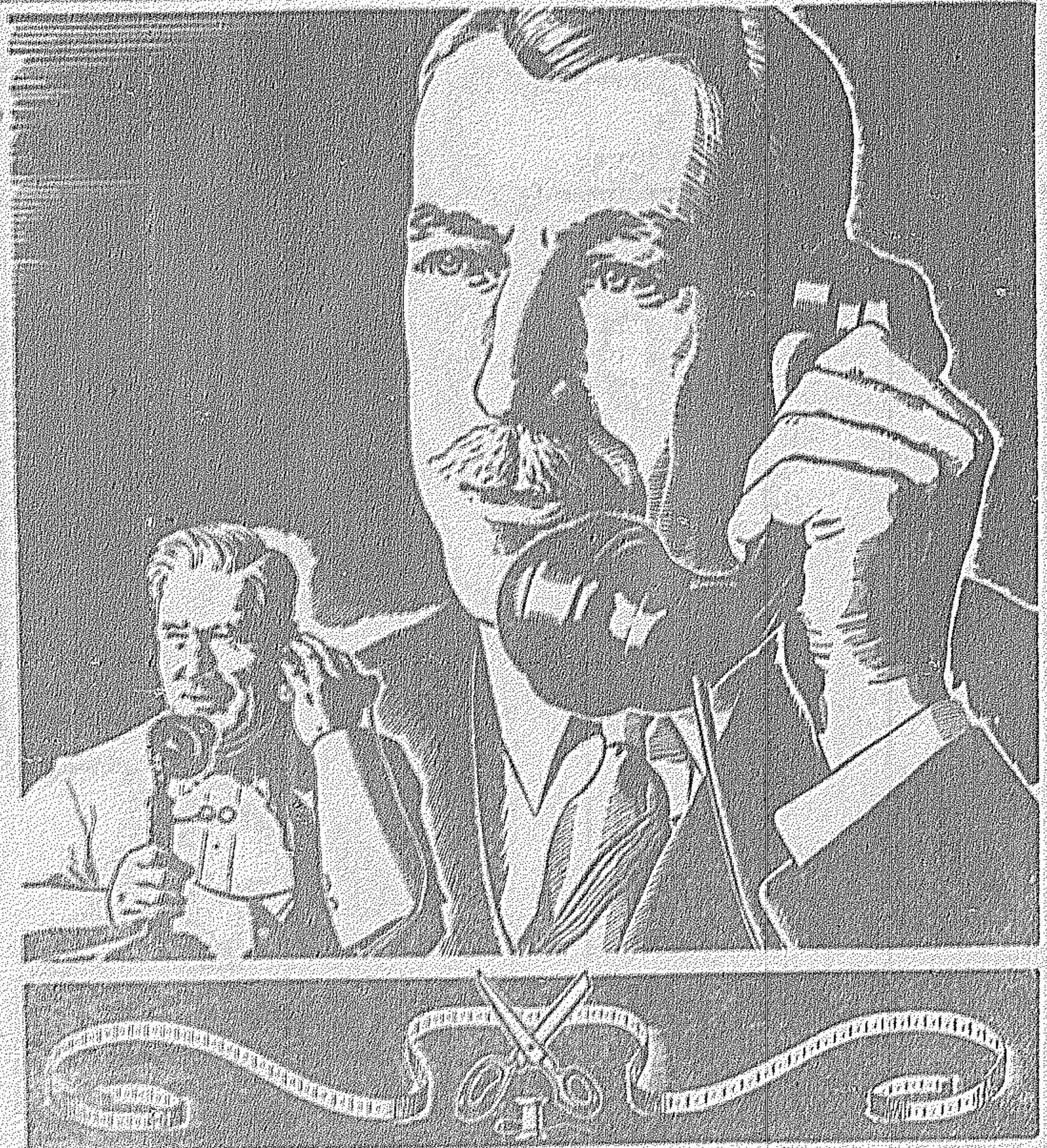
This award is entirely apart from and does not interfere with the scholarship given to each high school in the Chicago area.

DR. RAYMOND RECOVERING

President Raymond has practically recovered from his recent illness. His head has cleared up and his limp is fast disappearing. In about two weeks he intends to start for his summer home at Grass Lake in Michigan.

Dr. McNamara and others have been trying to persuade him to pay a visit to the Institute before he leaves, so that the students and faculty may see how well he is progressing. It is probable that he will do so.

By fall President Raymond will be back at Armour taking charge of his duties in the regular way.



"Made-to-measure" service for business

Whether the business is small or large—the corner grocery or the refrigerator factory—requirements for telephone service vary. So, to meet special conditions, Bell System men custom-fit the service to the subscriber.

They worked out a telephone conference plan for a large manufacturer. Every Friday, at specified times, each district manager calls the home office, where telephone facilities are

so arranged that the chief sales executives are on the line simultaneously. Problems are discussed, decisions given. In minutes, the executives cover the country. This plan lowered selling costs, raised efficiency, helped the user to increase profits 31% in a year's time.

By making the telephone more useful, Bell System men contribute to the success of many industries.

BELL SYSTEM



A NATION-WIDE SYSTEM OF INTER-CONNECTING TELEPHONES

A. I. CH. E. HEARS DR. ADLER TALK ON MANUFACTURING

Dr. Howard Adler of the Victor Chemical Company spoke to the members of the A. I. Ch. E. on the subject "Phosphoric Acid; its Manufacture and Application" at a regular meeting held at 10:30 a. m. last Friday, May 6, in Science Hall.

Dr. Adler is chief chemist of that company and is secretary of the Chicago section of the American Institute of Chemical Engineers. He has been interested in phosphoric acid for the last eight years and during this time has directed many researches on the production and application of it to industry.

Phosphoric acid is becoming of increasing importance in industry and has displaced sulphuric acid in many unit processes such as the production of fertilizer and the formation of formic acid from the acid salt. It is much lighter per unit volume than sulphuric acid, is non-volatile, and has a lesser oxidizing power than sulphuric acid. Because of its property of being non-volatile it is gradually replacing other acids.

Difficulties Listed

Dr. Adler listed the numerous engineering difficulties which had to be surmounted before actual production could begin. Of course the price of the final product had to be such that they could compete with other firms manufacturing the same product. With this as a basis of experimental investigation it was necessary to pick a process which would be the cheapest and produce the best product. Many commercial processes were developed to produce the various products needed by the industries. The acids produced were of different concentrations and many degrees of purity.

It was found possible to materially reduce the price of the acid due to the many by-products recovered from the original reactions. Some of these products are Trisodium Phosphate, Ferric Phosphate, Phosphate of Lime, and Fertilizer.

In concluding his talk, Dr. Adler stressed the important part that the chemical engineer plays in the manufacture and application of products to industry.

Dr. Adler brought samples of the products obtained in the manufacture of phosphoric acid, and the department of chemical engineers is greatly indebted to him for presenting them to the Institute.

Awards to Be Given To Tech Architects

Following their regular semi-monthly luncheon at the Men's Club of Marshall Field and Company last Thursday, Edson Temple of Sears, Professional Architectural Institute announced that next September at the opening of the new school year they will make awards at an open competition of the summer sketch work. Previously medals were awarded for outstanding work in September design but the new idea is to have work representative of all the architectural classes.

At this usual Fall exhibit of the Armour Architectural Society of the students' summer work, Sears will award a silver and a bronze medal for first and second places respectively. The jury will be selected by the Fraternity. Sears members will be considered ineligible.

The Fraternity considers that the making of awards will add a greater incentive to produce some fine material. They announce that the sketches may be in any medium. Last years exhibition included work in pencil, lithograph, water color and pastel.

ALASKANS SEE ECLIPSE

The students at the Alaska School of Agriculture and Mining College, Alaska, viewed a unique spectacle on March 22, when they saw an almost total eclipse of the moon.

Two years ago the students of the "farthest north" college witnessed a partial eclipse of both the sun and moon. It is reported that an eclipse of the sun will be visible sometime in August from that part of Alaska.

Civils Make Joint Inspection Trips

A series of inspection trips have been conducted in the past week for the benefit of Armour's civil engineering students. Last Monday an inspection was made of the Morava plant of the McClintic Marshall corporation, the group being comprised of seniors, juniors, and sophomores.

On Tuesday of last week the junior and senior civils visited the West side and the North side plants of the Sanitary district of Chicago. The West side plant was visited in the morning, where the Imhoff tank process for purification of sewage was seen in operation.

The North side plant was inspected in the afternoon, where the main object of interest was the Activated Sludge process, purification being carried on by blowing large quantities of air through suspended sewage.

Thursday the juniors and seniors inspected the construction of the Chicago Avenue tunnel, after which the party rode up the river by tug boat, observing the bridges under construction. The Incinerator plant at Goose Island was also inspected and then a trip was made by bus to the Lake View, Thomas Jefferson, and Mayfair pumping plants.

The week was concluded with an inspection of the Indiana Harbor plant of the Inland Steel Company on Friday morning and an inspection of the Universal Portland Cement Company in the afternoon.

MOVIE NOTES

"This is the Night," the gay, sophisticated comedy now at the United Artists Theater, boasts of a popular cast of comedians—Charley Ruggles, Roland Young, Lily Hamilton, and Thomas Fudd.

Frank Tuttle directed this last evening comedy of love. It is the sort of thing done as well by Mary Joe Chaney.

Upon spending hours about the final problems of the movie comedy of matrimonial complications set to music in a laugh riot, and a beautiful moment in the whole show.

Edna Ferber's "So Big," a bit in the silent days, is even more so in the talking version with Barbara Stanwyck giving the greatest performance of her career.

Along with this grand screen drama the Primrose Theater presents a stage show entitled "Five Faces," an "in the flesh" offering which does not live up to the high standards maintained by Sabath and Katz during the last few months.

At the Booth this week we have Douglas Fairbanks, Jr. in his latest picture "It's Tough to be Famous." This hilarious satire is the sort of thing done so well by his Dad a decade or so ago. Mary Brian plays the feminine lead.

"Zombie," that thrilling mystery play of supernaturalism, and with a South Sea locale is on the stage. Pauline Starke, screen actress, has the leading role. Be certain to sit near the front as arrests are had.

That gay Broadway revue, "There's a Crowd," is on the stage at the Chicago Theater, and is another in the series of successful stage plays presented intact by the U. and E. organization.

This sophisticated and popular revue which had a year's run in New York City is being presented complete with Fred Allen, star of the original production. "Yellow," "Body and Soul," "Give Me Something to Remember You By"—some hits which swept the country are featured in this brilliant production.

"The Trial of Vivienne Ware" is on the screen, featuring Joan Bennett in a dramatic role. "Steets" Gallagher and Zasu Pitts, popular hit players, are included in the cast and liven up some otherwise dull moments.

Your enjoyment of "The Wet Parade" now at the McVickers Theater depends upon which side of the fence you are.

ON THE LAKES

Victor Rimsha

At the recommendation of a high school teacher, P. J. Rupprecht '22, Armour, I decided to spend one summer as a sailor on an iron ore boat on the Lakes. I packed a few essentials of civilization in a grip and presented myself at the Shipping Office in South Chicago. After paying a fee of one dollar and answering a few light questions I became an "ordinary seaman" and member of the Lake Carrier's Association. A green book showed that I had paid my dollar and was entitled to all privileges thereof. I was to wait in the hall, with the rest of the men, until a call came in from some boat.

There were about thirty or forty men lying at anchor in the long hall, "waiting for their ships to come in." When a boat came into port the men were paid off and after a good time ashore many did not return to their berths. The captain would then call the shipping office just before sailing and get whatever men were needed to complete the crew. During the two days that I waited for a call I heard a lot of amazing stories of adventures, romances and scrapes in far away parts of the seven seas; stories that no one but a sailor would presume to tell. I listened with bidden skepticism for I knew that they would present any doubt as to the veracity of their tales.

Men of Many Types

The story book sailor was not to be found in this group. There were old weather beaten "salts" of various nationalities who just happened to be on the Lakes during the summer because the pay was higher. There were blunders and hobos who had accidentally stumbled into sailing and fascinated by the lure of water always came back for more. There were a few school men who could be identified by their spacious vocabularies and the reluctance to displaying them. I met one man, a junior at Columbia U, who had sailed on and water for the last three summers and was now trying the Lakes. Another was a husky freshman, a high school student from Sandusky, Ohio.

The telephone was ringing quite often and men were being sent out almost constantly. At that time

REVIEWS

A copy of the Students Dictionary has been acquired recently by the staff of the Armour Tech News.

The dictionary is of recent publication and is composed of synonyms and antonyms, both of which are useful to the writer as well as the speaker. The volume is small and the words are arranged in alphabetical order. Under each word there is a list of synonyms, or words which convey practically the same meaning. There is also a list of words bonded antonyms, or words which are opposite in meaning.

At the back of the book there are two sections of sound words with their definitions. One section is devoted entirely to automobile terms, and the other section deals with nothing but radio terms.

In order to make all thoughts clear and at the same time avoid repetition, the dictionary will play an important part in the making of precise statements.

Jimmy "Schmoodle" Durante, Dorothy Jordan, Lewin Stone, Walter Huston, and Neil Hamilton head a strong cast. The picture contrasts the fast hectic life of today with the period before the World War. Lewis Stone and Walter Huston give particularly strong characterizations.

"Miracle Man" is presented at the Uptown Theater. This picture, a talkie version of the great silent picture which featured Lon Chaney in one of his finest roles, is unconvincing and entirely too obvious. Sylvia Sidney and Chester Morris try hard but fail to go over.

Betty Compson, film star, is in person on the stage... she sings, acts, plays the violin, and gives the usual chatter about Hollywood.

1928, there were about thirty boats docking at South Chicago every twenty-four hours. Finally there was a call for a deckhand, deck-watch and two firemen for the "Joe Block" of Indiana Harbor and I was the deckhand chosen. Our books were stamped and we received tickets for the NYC to Indiana Harbor. The four of us showed our passes at the Inland Steel Company's gates and lugged out grips three blocks to the slip where the ship was anchored.

There were four boats altogether at the dock; one steaming out, the Joe Block being unloaded, and two others waiting for the unloading crew. All four of the boats were of the same type, long narrow hulk with deck houses at each end, the middle part of the boat being a series of hatches eight or ten feet wide and running almost clear across the deck. There were four cranes slipping into the yawning chasm that ran from end to end and was only interrupted by narrow cross walks a foot wide.

Aboard Ship

I presented my green book to the first mate and was told to go aft where my room was located. On this particular ship the deckhands were located aft also, though usually they were up forward and the aft end, "fantail", was reserved for the engine crew and firemen. As the firemen and I cautiously stepped toward the stern along the narrow walk between the hatches and the side of the ship we were almost deafened by the clanging of the cranes. Red iron ore dust covered everything. Down in the hold, way down, we could see dust covered figures moving about and jolting up the ore for the cranes. These were Mexican laborers from the steel mills.

The fantail was reached by a narrow stairway, which opened onto the engine room, the rudder room, and the firemen's and deckhand's quarters. I met one of the other three deckhands as I entered a cubicle that was our room and he told me to hustle on deck as soon as I got my overalls on. There were two sets of double bunks, one of which was to be mine. Another "deck" was lying on a lower bunk, obviously drunk and striving to beat the land.

When I got on deck the ship was just clearing the lighthouse and pointing its nose toward Mardinac. (To be continued)



PROFESSOR FREUD

Dr. Scherger Gives Lecture on Palestine

"The claim of the Arabs on Palestine is based on a deliberate distortion of historical facts," declared Dr. George L. Scherger to the Pro-Palestine Herald, in discussing the question of the Palestine Mandate.

Dr. Scherger, who is president of the Pro-Palestine Christian Federation of America, showed in a lengthy analysis that Palestine was never the home of the Arabian people. He said that they came into Palestine at an early time by invading the land. "This was the reason," he concluded, "for the sympathetic approval evinced by the whole civilized world to the reestablishment of the Jewish Homeland."

MUSICAL CLUBS SMOKER

As a climax to the year's work, the Musical Clubs will hold a smoker at the Sigma Kappa Delta house on Tuesday evening, May 17.

Doctor Scherger will be featured on the program with a speech and musical selections on the piano. At this time the officers for the coming year will be elected. All candidates for office must present a petition of fifteen names or more.

Prof. Freud to Present Award

One of chemistry's highest honors, the Willard Gibbs medal, has been won this year by Dr. Edward Curtis Franklin, who was graduated from the University of Kansas in 1888.

This award has been given for the last twenty-one years by the Chicago Section of the American Chemical Society. The presentation will take place at the Midland Club—on May 20, before a gathering of nationally distinguished scientists.

Professor Freud and Professor Bentley have recently been reelected as director and treasurer respectively of this section of the American Chemical Society. Professor Freud will present the award to Dr. Franklin.

M. S. Degree From Kansas

Dr. Franklin was born in Geary county, Kansas. In 1890 he received a degree of Master of Science at the University of Kansas, and in 1890-91 he was a student at the University of Berlin. In 1894 Dr. Franklin received his Ph.D. from Johns Hopkins University and later he received the degree of Doctor of Science from Northwestern and Western Reserve University.

Connected With Government

Dr. Franklin has been connected with several divisions of the United States government including the public health service, the Army commission, the bureau of mines, the bureau of standards and the ordinance bureau. He is also a member of the National Academy of Sciences, the American Academy of Arts and Sciences, the Washington Academy of Science, the American Philosophical society, a life member of the Kansas Academy of Science and a past president of the American Chemical society.

Advertisement for Holliday's Deluxe Shoe Repair Co. with phone number 1516 and address 77 E. 35th St. at Archway Ave.

ALICE RESTAURANT

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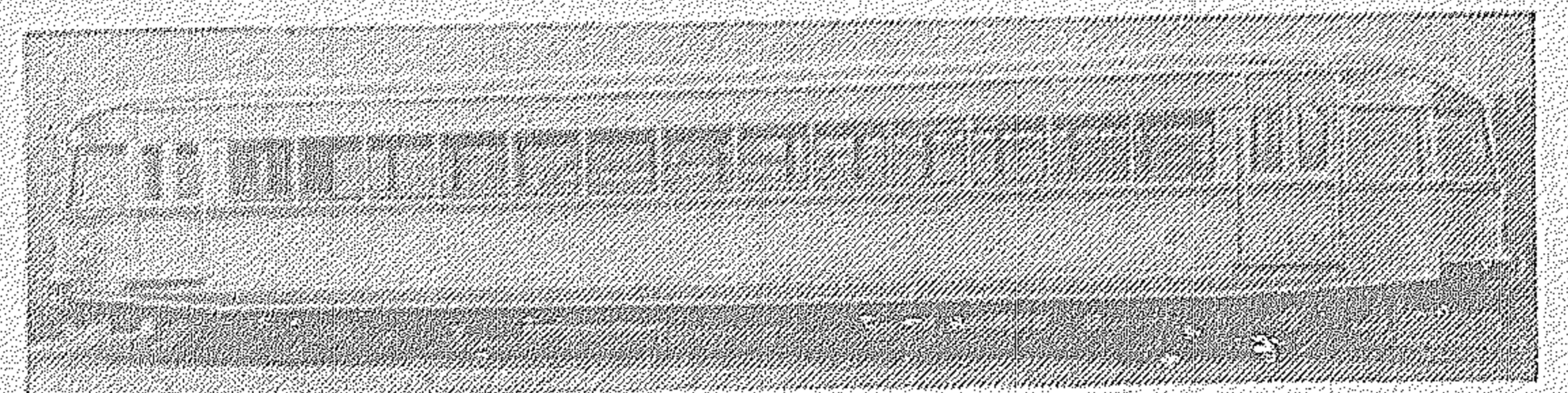
"ELECTRIC BULLETS"



THE result of exhaustive wind-tunnel tests of conventional trolley car models revealed that at speeds of 70 and 80 miles per hour, 70 per cent of the total power was consumed in overcoming air resistance. Streamlining saves approximately 20 per cent of the power.

When the Philadelphia and Western Railway Company decided to replace its cars with faster and more efficient equipment, it chose "electric bullets"—new streamlined cars—each powered by 4 G-E 100-hp. motors. The cars, constructed of aluminum alloy, with tapered noses and tails, are much lighter in weight and capable of greater operating efficiency.

In developing transportation apparatus, college-trained General Electric engineers have conducted extensive tests to improve operating conditions. On land, on sea, and in the air, to-day's equipment is safer, swifter, more dependable, and more comfortable.



GENERAL ELECTRIC

SALES AND ENGINEERING SERVICE IN PRINCIPAL CITIES

FRESHMAN CLASS WILL NOT SHAVE DURING THIS WEEK

Elect Rush Leader at Secret Session of Class

ROBERTS LEADS RELAY

With great secrecy, a meeting of the freshman class was held in the Assembly hall at 10:30 last Thursday morning for the purpose of electing a leader for the class rush. Ray Albano was in charge of the police squad which ousted all prowling sophomores lest they discover who the freshman leader is and kidnap him prior to the class rush.

Besides the many prowlers, it was found that two half-and-half men had dared to come in and sit at the meeting. One of them, Scharinghausen, said he was merely there to get the story for the News.

Upon the completion of the preliminaries, President John Aborn called the meeting to order and business was started. It no sooner started than it stopped again, for two sophs, Frateschi and Schneebalg, had been caught in the act of sneaking into the rooms on the east side of the hall.

Eject Sophomores

Immediately, a minor class rush started. In their enthusiasm the frosh decided that two piles, one on each of the sofa, were not enough, so a third one was started with Joe Siehno as a nucleus. He hasn't been able to find out yet just why he was chosen, but he does realize that he never came so close to losing his panties without actually doing so.

As to the peaceable side of the meeting—first, announcement was made that John Roberts had been appointed as head of the freshman relay team, and that he was going to hold trials that afternoon between four-thirty and five o'clock. Next in order was the election of a rush leader.

Frosh Not to Shave

After that was over several suggestions were made as to what the freshmen should do this week to distinguish themselves from the other classes. Advice had already been given them by Junior Marshal Johnson to the extent that whatever they do should be done by large groups or else the consequences might be disastrous.

Several ideas such as wearing green ties, green hats, sweat shirts, etc. were voted down before it was finally decided that "the freshmen will not shave this week".

Junior Marshal Johnson, in his short address, mentioned the fact that it will be a bit more difficult for the freshmen to uphold tradition this year by beating the sophomores, because of the unusually large number of the latter.

Inquiring Reporter

Question: Are you going to enter the class rush?

F. J. Koko, C.E., '34.

Sure. Really enjoyed last year's rush. We're laying for the big fellows.

A. Lachiska, Ch.E., '35.

You betcha! Just a word for Christoff's safety, for the freshmen chemicals are waiting for him and not for the sacks.

G. E. Meyers, F.P.E., '34.

Me? I hope to tell you I am and the Sophs are going to disperse the freshmen and at the same time show the freshmen they're too young to fool around with the sophomores.

J. H. Tebo, M.E., '35.

I think so, because I enjoy scrapping. It's lots of fun.

A. Tienuu, Ch.E., '35.

Yes sir! We're going to win the rush. Don't know what we'll do Thursday night to celebrate but I do know the sophomores will have to get up earlier.

L. J. McDonald, M.E., '34.

Sure thing! Not laying for anyone in particular. Don't think much

Fraternity Notes

PHI KAPPA SIGMA

The radio dance which was held at the house last Saturday night was well attended by the active members. We have been invited by Alpha Phi, our chapter at the University of Chicago, to attend their formal dinner dance at the Lincolnshire Country Club next Saturday evening. Many of the brothers have expressed their desire to take advantage of this invitation.

SIGMA ALPHA MU

Plans are going ahead at full draft for the Sigma Alpha Mu Alumni Banquet to be given by the Armour Chapter for all Chicago alumni of the fraternity. The gathering will be held a week from Friday in the Italian Ballroom of the Allen-ton House.

Fra Irving Fineman, past supreme prior of Sigma Alpha Mu, and author of "This Pure Young Man" visited the chapter last week. Fin Fineman is paying a visit to each of the chapters while on a round-the-country jaunt in search of material for a new book. He is a civil engineer, a former instructor at Illinois, and is now "authoring".

A gathering is being planned for May 27 at the home of Pledge Stanley Bernslein. This affair and the annual Summer Formal will close the social activities for the school year.

TRIANGLE

Triangle announces the pledging of Robert Lyford, Ch.E., '35, Dunbar and Verena on their return from the National Convention at Urbana. He gave a report to the active chapter last Monday, at the meeting, of events that took place.

We've had quite a number of brothers from other chapters about the house recently. Right now we have alumni of Purdue, Cincinnati and Kansas living at the house, along with visitors from Ohio State, Illinois and Minnesota.

A radio dance was held last evening at the home with Ed Roberts' sister and brother-in-law, Mr. and Mrs. C. G. Smith, acting as chaperones.

THETA XI

The following are the chapter officers for the fall semester: President W. B. Buchanan Secretary J. L. Reinard Treasurer W. T. Simons Student Steward J. R. Peterson House Manager A. Larson Corp. Sec'y C. M. Lundis

The house baseball team played the Phi Psi Phi Interfraternity team in the semi-finals of the Interfraternity tournament but came out with the short end of the stick.

The fellows are all out getting ready for the circus day stunt. We are going to try to keep the skin in the house.

DELTA TAU DELTA

We have the pleasure of announcing the initiation of Ray Kollig and Lawrence Davidson, both Arch., '35, on Sunday, May 2.

A Mothers' Club Bridge Tea was held last Sunday and was well attended.

On Tuesday, May 10, the chapter will be host to the annual of the annual Founders' Day Banquet. We expect a large number of alumni to be at the Shelter for this affair.

of the rush but will enter to help support the class.

P. V. Smith, F.P.E., '35.

Absolutely. I feel we're going to beat the sophomores because we have competent leaders. Larson and Brenner's 220 pounds don't mean a darn thing.

W. F. Krol, Arch., '34.

Yah! I'm going in and the following freshmen better beware: Granger, Forsyth, Sobel, Sverz, Samuels, Cohen, Beckwith, and others, because the sophomores really admire these men.

A. E. Colcord, M.E., '32.

As much as I would like to show the old class spirit Perry's drawing class is demanding some attention, and I think it's about time to start.

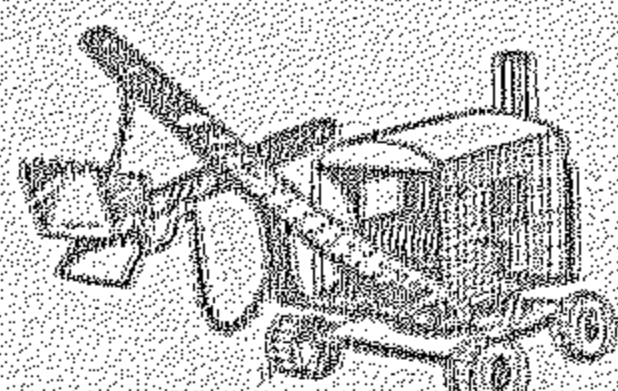
Joe Gun, E.E.

Yes. I'm laying for the junior marshals.

Dean Heald Talks at Froebel High in Gary

Professor H. T. Heald went to Froebel high school in Gary, Indiana last Thursday to give one of the talks on engineering education which Armour has been sponsoring. The field which the professors are covering has been extended a great deal lately. It now includes high schools in nearby cities as well as in the Chicago area.

THE STEAM SHOVEL



Heading the honor roll this week is Norm Colburn, assistant news editor of the News. He was dumb enough to send a sophomore reporter to cover the freshman class meeting.

Several other venturous sophs were also thrown out. The conclusion was so great that a group of frosh were seen trying to toss out Joe Siehno, a dyed-in-wool freshman.

With such spirit we expect a real battle Friday. Those who are sure will refrain from wearing red or green ties that week.

Playing golf Friday the 29th, Gundersen shot 72, Mast, 75. Due to rain the two eminent chemists were unable to finish playing the last 12 holes.

At their class meeting last Thursday it was decided that "the freshmen will not shave this week." It has been suggested that the freshmen are overworking their imagination somewhat.

"Are you two married?" was the question asked of Mr. C. Ray Johnson and a certain young lady, by one of the clowns at the circus. After a moment's consideration the clown reached the obvious conclusion that the girl was too happy to be married to Mr. C. Ray Johnson.

The pet piece of the woman M. D. class—the guy who gets the alien in a cage not to go to a alien and then in the first one there.

Canon has stopped sending cigars since the night of the interfraternity dance. This contribution is signed C. E. T.—S. I. C.

W. Hockett and J. Zimmerman have become quite industrious bicyclists. In fact they rode six blocks and their shop owing to school the other day deeply studying a possible view. We wonder whose profits they were so interested in?

(Adv.) Fire Protection: When stopped out reasonable. See Mike through, R. B. '25. (Prouder lives a specialty)

This week's contributors are: Joe Gunn, Ye Seckrad, Beltracchi, J. R. T. & C. W. C., A. J. J. J., H. S. H., and M. J. S. It isn't necessary but we prefer signed contributions.

RHO DELTA RHO

Our annual dinner dance will be held Saturday, May 21, at 8 o'clock. This affair will bring to a close all fraternal activities for the school year.

The track team held final practice for the interfraternity meet yesterday, and men were selected to compete in the various events.

PHI PI PHI

A Radio Dance was held at the House Saturday, April 30. A good-sized crowd attended and had an enjoyable evening. Our next dance will be the Farewell Party, which is given in honor of the graduating seniors.

The baseball team won all of its first three games and is now ready to play Beta Psi in the final game. Gregerson has hit two home runs in the three games so far.

"Chuck" Winkler was at the House last week and saw the game with Delta Tau Delta.

Post Graduate Course Courses to Be Offered Civils and Chemicals

Opportunity has been provided for the seniors in the Civil and Chemical departments to earn an advanced degree by continuing their studies at the Institute for another year. This graduate work is merely an expedient by which to assist the students in times when positions are scarce; it is in no way connected with the development plan for advanced work in engineering. Students now in the Institute will have preference.

Graduate Work in Engineering

General Requirements for Master of Science Degree:

The degree of Master of Science is awarded to students who have satisfactorily pursued a complete graduate course of resident study of one year and submitted an acceptable thesis. The graduate course shall consist of from four to five unit courses each semester, or their equivalent. A unit course is one which requires at least ten hours of time a week for one semester, or a minimum of 180 hours, irrespective of the mode of distribution of that time in class work, laboratory work and private study. Four such courses, or their equivalent, constitute a full minimum program for one semester and eight such courses, or their equivalent, constitute the minimum formal year's work accepted for a master's degree.

Each candidate for a master's degree is required to present a thesis on some subject approved by the professor in charge of his major work. Such approval must be received not later than the sixth week of the year of residence. The thesis will ordinarily require time equivalent to two units of graduate study. No article prepared for another purpose or previously published will be accepted for a thesis.

Graduate students will be permitted to enroll in certain approved undergraduate courses and work done in these courses may be applied toward a master's degree, provided that at least fifty percent of the total units submitted for the master's degree are earned in courses open to graduate students only.

Tuition: The tuition for fall and spring graduate work is \$125.00 per year, payable one-half at the beginning of each semester. The regular laboratory fees will be charged graduate students electing such courses.

- ### Graduate Courses in Chemical Engineering
- Differential Equations (1 semester—½ unit)
 - Chemical Engineering Economics (1 semester—½ unit)
 - Electron Theory and Atomic Structure (1 semester—½ unit)
 - Chemical Literature (2 semesters—1 unit)
 - Industrial Chemical Calculations (2 semesters—½ unit)
 - Chemical Engineering Research (2 semesters—4 units)
 - Applied Thermodynamics (2 semesters—1 unit)
 - Materials of Construction (2 semesters—½ unit)
 - Hydromechanics (1 semester—½ unit)
 - Cost Accounting (1 semester—½ unit)
 - Radiation (1 semester—½ unit)
- The four units of graduate work which are necessary for the master's degree come in the Chemical Engineering Research course. This course is compulsory.
- ### Graduate Courses in Civil Engineering
- 101 Advanced Strength of Materials. (1 semester—1 unit)
 - 102 Foundations: Mechanics of Compressible Soils. Foundation Design and Construction. (1 semester—1 unit)
 - 102-104 Advanced Structural Design. (2 semesters—2 units)
 - 105 Water Supply Engineering. (1 semester—1 unit)
 - 106 Sewage and Sewage Disposal. (1 semester—1 unit)
 - Thesis (1 to 3 units)
- Undergraduate Courses Acceptable For Some Graduate Credit
- Aerodynamics (1 unit)

- Heat Power Engineering (½ to 1 unit)
- Thermodynamics, (1 to 1½ units)
- Adv. Experimental Engineering Lab. (½ to 1 unit)
- C. E. 101, Advanced Strength of Materials.

Associate Professor Heald

A study of the more advanced problems in mechanics of materials with particular reference to structural engineering applications. Subjects considered include statically indeterminate problems in tension and compression; stresses in cables and cores; combined stresses; torsion on rectangular sections; deflection of beams due to shear; deflection of beams when loads are not parallel to one of the two principal planes of bending; beams of materials which do not follow Hooke's Law; combined bending and twist; energy of strain; complicated problems in bending of beams; curved bars; buckling of bars, plates, and shells; stress concentration and mechanical properties of materials.

C. E. 102. Foundations

Assistant Professor Ensz

A study is made of mechanics of compressible soils. The physical characteristics of clay soil are discussed, as follows: cohesion, compressive strength, determination of permeability, settlement and consolidation. Comparisons of sand and clay are made, such as: physical difference, elastic behavior and friction. Mixed soils are similarly treated and results applied to practical engineering work.

The principal theories of earth pressure on retaining walls, pressures on dock walls, sea walls, and cofferdams due to water and earth submerged in water are analyzed and applied.

Soil pressures on trench sheet piling, with particular applications to subway excavations. Earth pressure on sheet piling, especially those pressures existing below the bottom of a retaining wall or sea wall.

In the design of foundations due considerations are made of the following: pressure distribution, improving the bearing capacity, transmission of load from piles to soil to prevent unequal settlement, to avoid lateral flow and lifting up of surrounding soil.

Further study is made of construction of foundations. The latter will include underpinning, which not only involves the obstacles of difficult foundations, but the additional problem of holding existing structures in place and undisturbed.

C. E. 103-104. Advanced Structural Design

Associate Prof. Stevens and Assistant Prof. Grafton.

In this course particular attention is paid to the development of a technique for analyzing statically indeterminate structures, followed by applications to many simple and complex problems.

Since the determination of deformations forms the basis for all advanced structural analysis, a preliminary study is made of the general methods available, including methods of work, "area-moments", "elastic weights", Willott-Mohr diagrams, etc.

This is followed by the development of general methods applicable to all kinds of statically indeterminate structures, of single and multiple redundants, in which the various methods of evaluating the deformations are employed. By means of such general methods, the student is able to undertake the solution of any ordinary type of statically indeterminate structure.

Special methods of analysis that are of particular advantage in certain types of structure are considered, among which are "Slope-Deflection", moment distribution, graphical methods and mechanical solution.

Among the special applications to be studied are rigid frame constructions (buildings and bridges), arches of single and multiple spans,

ANNUAL CONCERT, FRATERNITY SING GIVEN TOMORROW

(Continued from page 1)

FRATERNITY SING THE ARMOUR PLAYERS

- "The Silent Alarm" A Skit
- Announcement of Fraternity Sing winner and awarding of cup.
- HONOR CYCLES
- Honor Cycles presented to ten leading men of senior class.

ORCHESTRA

- La Golondrina (The Swallow)
- Mexican Waltz Air Lake
- Armour Fight Song Whitfield

All social fraternities on the campus compete for the Sing Cup in the fraternity sing, by presenting their selection, usually consisting of two numbers. After all the fraternities have sung their selections, judges selected for the contest will announce the winner of the sing. J. E. Walker has charge of the fraternity sing, and announces each fraternity as it gives its numbers. Mr. Walker has secured the services of Al Jungles for selecting the cup which is to be presented by Dean Penn, when the winner is announced. The judges of contest have been selected, but the names will not be announced until the night of the concert.

Announcement of the honor cycle awards to the class of '32 will also be made during the evening. There are ten of these honor cycles given out yearly.

Large posters bearing much information as to the program of the concert, have been distributed thru the school buildings, and anyone doubting information received from a friend, can make certain by looking up one of these posters.

E. W. Carlton, manager of the concert, has outlined and formed a program that should bring due praise to the musical and dramatic clubs. As there is no admission charge, faculty members, parents, children, sweethearts, and relatives are all urged to be present to enjoy the performances of the Armour students. Remember, a large attendance helps make success, so everybody come and enjoy the music and dramatics.

Three Initiated by the A.X.S. Fraternity

Alpha Chi Sigma, the professional chemical fraternity at Armour, takes pleasure in announcing the names of the new members. These men are: W. G. Hollmann '35, A. F. Kapecki '34, and R. McFarland '34. The initiation was held last Thursday, May 5, in the Phi Lambda Upsilon rooms.

On the following evening the members held a banquet at the Canton Tea Garden and later attended a performance of "The Church Mouse" at the Adolph theatre.

Among the faculty members present were Professors C. A. Tibbals, A. H. Carpenter, and W. J. Bentley.

suspension bridges by approximate and exact methods, moveable bridges, skew arches and frames, redundant trusses and bracing system and secondary stresses.

C. E. 105. Water Supply Engineering

Assistant Prof. Vagthorg

A continuation of course C. E. 27 with particular emphasis placed on the design of water treatment plants, including the economics and chemistry of water softening. A design problem will be selected and the student guided in the collection of field data, the preparation of a cost analysis of various solutions of the problem, and the ultimate detailed design of the selected solution.

C. E. 106. Sewage and Waste Disposal

Assistant Prof. Vagthorg

A continuation of C. E. 28, with particular emphasis placed on the design of sewage and waste disposal systems. A study of laws affecting pollution and waste disposal and methods of financing is included. A complete sewage treatment plant will be designed as a semester problem.

Eat at the **BOULEVARD CAFETERIA**
31st and Michigan

MILWAUKEE STATE WINS TRIANGULAR MEET AT MIDWAY

Tech Defeats 'Y' College to Place Second In Meet

NELSON LEADS ARMOUR

The Armour track team had to be satisfied with a second place in the annual triangular meet held last Saturday afternoon at Stagg Field against the Milwaukee State Teachers and "Y" College. The strong and well balanced Milwaukee squad amassed a grand total of 97 1/2 points to win the meet while our trackmen garnered 51 points which is a fair total as compared to the meek sum of 14 1/2 points collected by "Y" College.

Due to Coach Stagg's misunderstanding as to the time of the meet, our boys arrived in time to see the end of the second event without having a chance to compete, thus losing the opportunity of adding at least a dozen points to the Tech total.

Nelson, Gerboth High Point Men

As usual Nelson and Gerboth were high point men for their respective teams with 16 points each. Gerboth, Milwaukee star, placed first in the shot put, discus, javelin throw, and took fourth in the high hurdles. Nelson back in old form again placed first in the high hurdles and broad jump and took second place in the low hurdles and high jump. Nelson's broad jump of 21 feet 4 inches was close to the record and easily outclassed the field. Gerboth with a javelin throw of 166 feet tied his own record in the Armour Invitational of 1931.

Teachers Take 11 First Places

Milwaukee State took eleven out of a possible fifteen first places, showing plainly what a well balanced team they have. The Tech tracksters took the remaining four first places while "Y" College did not get a first place in the entire meet. Thus far, Milwaukee is the only track team that has defeated the Armour squad this season.

SUMMARIES

100-yd. dash—Won by Dörson, M.; second, Foubinck, M.; third, Hochstetler, M.; fourth, Fox, A. Time—14.3.
 Mile run—Won by Fustin, M.; second, Stearns, Y.; third, Chadler, Y.; fourth, Zerkow, M. Time—14:12.
 220-yd. dash—Won by Dörson, M.; second, Fox, A.; third, Foubinck, M.; fourth, Krumpalump, A. Time—23.4.
 110-yd. high hurdles—Won by Nelson, A.; second, Roberts, A.; third, Wukman, M.; fourth, Gerboth, M. Time—14.8.
 440-yd. run—Won by Bachman, A.; second, Vanolise, M.; third, Hochstetler, M.; fourth, Hopkins, Y. Time—33.8.
 220-yd. low hurdles—Won by Hochstetler, M.; second, Nelson, A.; third, Fox, A.; fourth, Rosen, A. Time—26.8.
 2-mile run—Won by Fustin, M.; second, Schenk, Y.; third, Foubinck, M.; fourth, Thomson, A. Time—30:41.0.
 800-yd. run—Won by Lind, A.; second, Fagin, M.; third, Lawler, Y.; fourth, Stearns, Y. Time—2:39.8.
 Half-mile relay—Won by M. Foubinck, Hochstetler, Vanolise, Dörson; second, A.; third, Y. Time—12:16.
 High jump—Won by Jozard, M.; second, Nelson, A. and Crown, M. 110; third, Brown, M. Height—5-10".
 Broad jump—Won by Nelson, A.; second, Vanolise, M.; third, Hochstetler, M.; fourth, Roberts, A. Distance—21-4".
 Shot put—Won by Gerboth, M.; second, Foubinck, A.; third, Fox, M.; fourth, White, M. Distance—46-10 1/2".
 Discus throw—Won by Gerboth, M.; second, Komer, M.; third, Jurevic, A.; fourth, Schibler, M. Distance—111-6".
 Javelin throw—Won by Gerboth, M.; second, Jordan, A.; third, Powers, M.; fourth, Verbanne, M. Distance—166-0".
 Pole vault—Won by Ellet, M.; second, Muebeck, M.; third, Roberts, A. and Peterson, Y. (tie). Height—11-0".

Tech Relay Proceeds Go to Olympic Team

A total of \$160.45 taken in as admission at the Armour Tech Relays on April 2, was donated toward the support of the American Olympic team. The American Olympic Committee acknowledged this contribution with a card of thanks which is now posted on the bulletin board. The fund is being raised to finance the American entries in the Olympic games to be held at Los Angeles in the summer of 1932.

Armour Tennis Squad Defeats Loyola Team

Avenge a defeat at the hands of the Loyola University tennis team earlier in the season, the Tech tennis squad turned the tables and handed the Loyola team a defeat by taking four matches out of seven played. Loyola had previously defeated Armour by the same score on their home courts. The matches were played in a drizzling rain at their first meeting, but last Monday the weather was ideal and the Armour team availed itself of the opportunity and played winning tennis.

A review of the matches shows that Armour won three out of five singles matches while splitting even on two doubles matches. In the singles Stroh of Armour defeated Zwikstra, captain of the Loyola team, in a grueling three set match, losing the first set 6-3, but coming back strongly to take the next two by scores of 7-5 and 6-4. Paine of Armour lost to O'Connor of Loyola, 6-3 and 6-4; and McDonough of Armour lost to Frisch of Loyola, 6-1 and 6-4. Armshury and Come of Armour took the remaining singles matches from Schramm and White of Loyola. The scores were 6-4, 6-0; and 4-6, 7-5, 7-5, respectively. Come had quite a battle with his persevering opponent, White, and many of the games were long drawn affairs.

Paine and McDonough teamed together in the doubles and avenged their defeat in singles by announcing Frisch and Schramm of Loyola by set scores of 6-4, 6-0, 6-2. In the other doubles match the Tech team of Stroh and Armshury was defeated by Zulkstra and O'Connor in straight sets 6-4, 6-3.

Armour Golfers Lose to Loyola

In the hardest fought game of the season the Armour golfers lost to Loyola last Thursday by the close score of 10 1/2 points to 7 1/2 points, the highest score in the last few years. These are good signs, for our team returns in a body next season, while this year's veteran Loyola team passes out of active competition. The Armour team of this year has a lot of new material. In light of these facts we count heavily on turning the tables next year.

Fine Armour Showing

The game was played on the Evergreen course and a soft, balmy, spring day inspired the men of both teams to turn in a run of beautiful scores. All the scores were down close to the 80 mark. The best scores of the morning round were turned in by Johannison of Armour who shot a 78 and Davidson, also of Armour, shot an 80. Cavanaugh, of Loyola, shot a 77, the best score of the day. Davidson shot a good score in the afternoon round of 78. Both the morning and afternoon rounds showed the Armour team to be the equal of Loyola in playing quality, lacking only in experience. The match was practically a tie until the eighteenth hole, which cost Armour those three points which lost the game.

Cavanaugh was the mainstay of the Loyola squad. Davidson turned in a very neat trick on the ninth hole. His first shot was unplayable, the ball being perched in the crotch of a tree. Taking a penalty of one shot he put his ball in a playable position, and took his approach shot for a three. Paine also did some neat work in sinking some of his approach shots.

Golfers to Meet New Opponent in Toledo U.

On Saturday, May 14, the Armour golfers have a meet with Toledo University, the first in several years. This season St. Johns of Toledo has been dropped from the schedule and the University substituted in its place.

In looking over the men on the Toledo U. team, our men feel that they shall have competition enough to make things interesting. Probably the best man on the Toledo team is a player by the name of Cooke, who has faced Armour in competition before. Last year he played against Armour on the St. Johns team, but this year he has changed to Toledo U. so he will again meet the Armour men.

Coach Leigh has expressed his satisfaction at the performance of the team against the competition it is encountering. Despite the fact that every member of the team must play thirty-six holes of match play in every meet, which, as most of us who play golf to some extent know, is quite a bit of walking besides swinging at the ball, every member of the team is playing at his best.

Armour-Loyola Golf

Doubles	
Davidson-Pearson; (A)	3/4
Cavanaugh-D'Esposito; (L)	2 1/2
Johannison-Weldon; (A)	2 1/2
Morrissey-Vonish; (L)	3/4
Singles	
Cavanaugh; (L)	3
Weldon; (A)	0
Pearson; (A)	2
Vonish; (L)	1
Davidson; (A)	2 1/2
Morrissey; (L)	3/4
Johannison; (A)	0
D'Esposito; (L)	3

LAKE FOREST IS ARMOUR'S NEXT TENNIS OPPONENT

After turning back the University of Loyola tennis squad early last week, the Armour Tech team turns its attention to two meets scheduled this week and the early part of next week with Lake Forest and Wheaton. Both of these were originally scheduled away from home; but because of the fact that the meet with Lake Forest is on the sixteenth, which is during Junior Week, manager Schodde is trying to secure this match at the Armour courts. The Wheaton meet will be held at Wheaton Monday, May 16.

Quite a bit of interest is attached to the match with Wheaton. The Wheaton tennis team early in the spring went on an extended tour of the southern colleges playing matches with such teams as the University of Kentucky, University of Tennessee, Centre College, and Berea College. Since the Wheaton squad did very well against these well known teams, the results of Armour's meet with Wheaton will show how Armour's team compares with other better known schools.

Coe College of Cedar Rapids, was scheduled to meet Armour here last Friday, but the visitors were unable to get here in time for the match.

INTERFRATERNITY SCORES

May 2—Kappa Delta Epsilon	0
Sigma Alpha Mu	6
May 3—Phi Pi Phi	12
Delta Tau Delta	4
May 4—Beta Psi	15
Rho Delta Rho	3
May 5—Phi Pi Phi	11
Theta Xi	1

PHI PI PHI EARNS PLACE IN FINALS WITH TWO WINS

Phi Pi Phi won two games last week to cinch a position in the finals. Both games were won by overwhelming scores, 12 to 4 and 11 to 1. Last Tuesday, May 3, Phi Pi Phi played Delta Tau Delta at Armour Square. Although Phi Pi Phi started slow it is the finish that counts as the score of 12 to 4 proves.

On Thursday the Phi Pi Phi nine defeated Theta Xi, 11 to 1. This game was not won so easily as the Theta Xi men had already tasted victory and could not see themselves as losers.

Two other games were played last week between Kappa Delta Epsilon and Sigma Alpha Mu, and Beta Psi and Rho Delta Rho. The first game was played on Monday, May 2, between the first mentioned teams, Kappa Delta Epsilon winning by a score of 9 to 6. This game was remarkable because neither team scored at least ten runs. This was the only game in which such a thing happened this year.

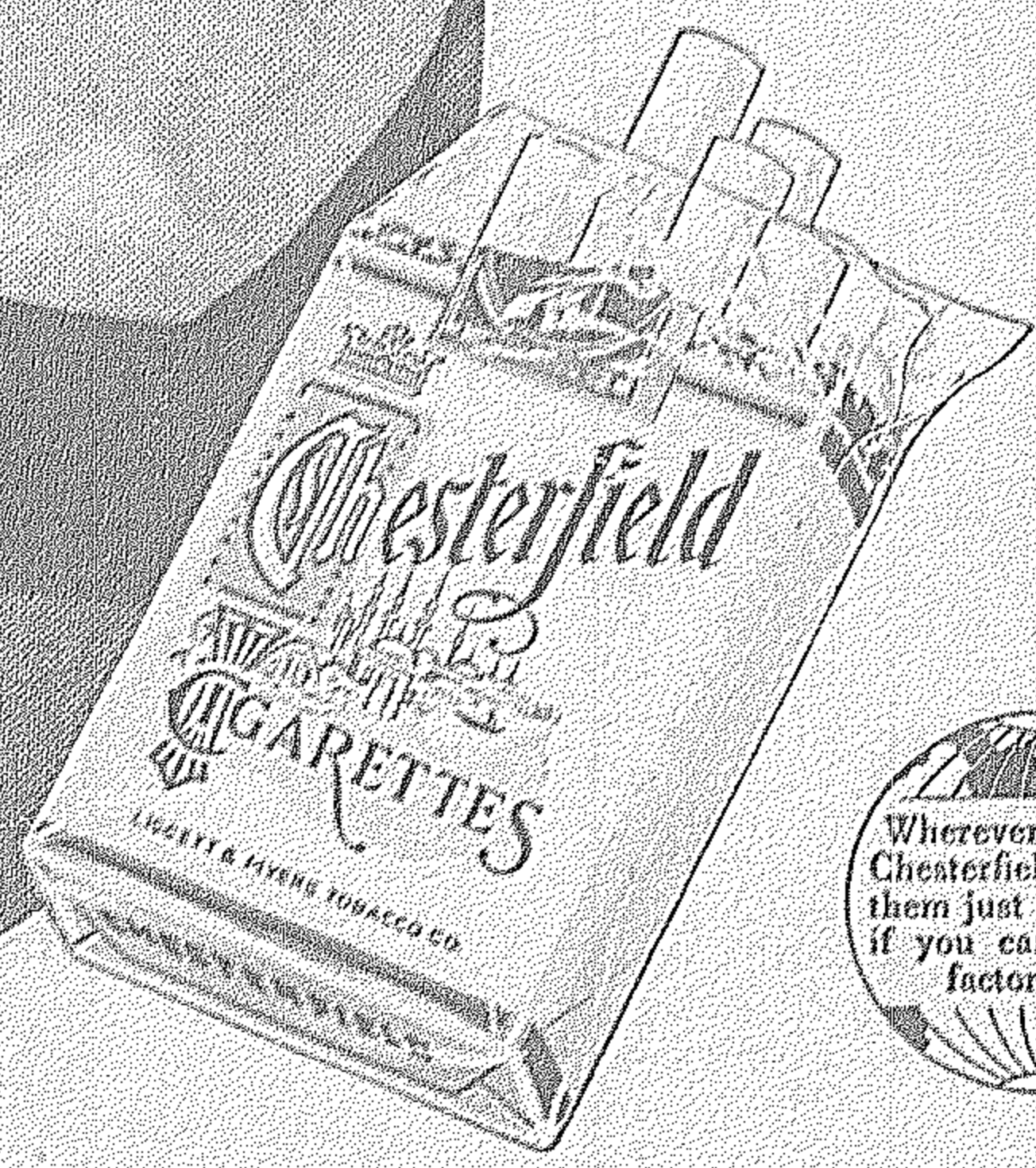
A nine run first inning attack gave Beta Psi the decision Wednesday, the final score being 15 to 3. Except for one man who struck out, every Beta Psi man scored at least one run in that fatal first.

Much to the regret of certain loud voiced gentlemen the game between Beta Psi and Kappa Delta Epsilon, scheduled for Friday was called off on account of rain. The winner of this contest will meet the Phi Pi Phi nine in the final game. The final game will probably have to be shifted to a later date as many of the players can not appear on Saturday.

Get that Boswell Rhythm!



What those sisters can't do to a tune!



Every Monday and Thursday evening at 10:30 E.D.T.

COLUMBIA coast-to-coast NETWORK

ARMOUR TECH BASEBALL NINE BEATS MT. MORRIS COLLEGE IN FIFTH CONFERENCE GAME

Plays Lake Forest Wednesday and Michigan State Normal Thursday at Ogden Field

RAIN STOPS OUT OF TOWN GAME

BASEBALL STANDING			
	W.	L.	Pct.
Wheaton	4	1	.800
ARMOUR TECH	3	2	.600
Mt. Morris	3	2	.600
Lake Forest	2	2	.500
North Central	2	3	.400
Elmhurst	1	5	.167

Defeat Mt. Morris 4-1
Mt. Morris proved to be a dangerous team only for the first few innings of last Wednesday's game when the Tech squad traveled to Mt. Morris to play that college for the first time this season. The engineers were to be confronted by a pitcher of some note who had held league opponents practically hitless in games previous to the Tech tilt. This individual lasted exactly three innings against the Tech men and in these three innings they made five hits and scored one run. His successor fared just as badly while Mayer held the Mt. Morris batsmen to six scattered hits and gave no bases on balls. The rest of the Tech squad gave Mayer all the support he needed, making only two errors throughout the game, both of which however, proved fruitless to Mt. Morris.

Mt. Morris Scores on Two Hits
The game would have been a shutout as far as Mt. Morris was concerned had it not been for the fact that a Mr. Cassiope of the aforementioned team decided to swing at one of Mayer's foolers. The ball hit his bat and sailed into deep center field for a triple. This happened in the seventh inning with one out, and the next man up obliged by singling to score the man on third. For his trouble he was allowed to die on first base. In previous and ensuing innings, the other four Mt. Morris hits were scattered about, no two in the same inning.

Armour Scores in Third
The Tech men started the hitting early in the game. With two out in the second inning, Lillis and Stehno singled consecutively, but the next man grounded out. Mayer led off the third inning with a single to right field, and although the next two men struck out and grounded out respectively, Evans and Lukas followed with hits to score Mayer, but both died on base. Then the Tech men took a rest until the sixth inning, when Tad Omiecinski hit a single, stole second and came home on Lillis' second hit of the day. The seventh inning was a repetition of the sixth. Sommer singled, stole second and came home on Evans' second hit. To clinch the victory, the first man up, Tad Omiecinski hit a double, took third on Reed's sacrifice hit and stole home on a wild pitch.

BOX SCORE					
Armour—1	ab	r	h	po	e
Sommer, cf.	5	1	1	3	0
V. Omiecinski, ss.	5	0	0	6	0
Evans, lf.	5	0	2	1	0
Lukas, c.	4	0	1	9	0
T. Omiecinski, 1b.	4	2	2	4	0
Lillis, 3b.	4	0	2	1	2
Stehno, rf.	3	0	1	0	0
Reed, cf.	0	0	0	1	0
Biegler, 2b.	3	0	0	1	0
Mayer, p.	4	1	1	1	0
Totals	37	4	10	27	2

Mt. Morris—1
Kensinger, cf. 4 0 1 2 1
Royer, ss. 4 0 0 1 0
Boyer, lf. 4 0 0 3 0
Potter, p-1b. 4 0 2 9 0
Solvem, 2b. 4 0 0 0 0
Cassiope, 3b. 4 1 1 1 1
Daughenb'h, 1b-p. 4 0 1 2 0
Kelsey, rf. 4 0 1 1 0
Mulcoy, c. 3 0 0 8 0
Coffman, ph. 1 0 0 0 0
Totals 36 1 6 27 2
Two base hits: T. Omiecinski. Struck out: Mayer, 7; Potter, 2; Daughenbaugh, 7. Bases on balls: Mayer, 0; Daughenbaugh, 0; Potter, 1.

In an effort to establish itself at the top of the league again, the Armour Tech baseball team will begin the second half of the league season with two games this week. Lake Forest, a league opponent, will come to Ogden Field tomorrow for a return game with the Tech squad. These two teams were to have played last Saturday, but due to rain, the game was postponed to a later date. Lake Forest, with a strong veteran squad, bids high for this year's league championship and the game tomorrow should be a hard struggle.

Play Michigan Normal Thursday
Thursday, the squad will meet a non-league opponent when Michigan State Normal arrives for the return game with the engineers. The Armour team will be out to revenge a defeat at the hands of the Normal squad at Ypsilanti earlier in the season. In spite of the fact that Biechne allowed only three hits while the Tech men garnered five, the Michigan team considered a run to win by a 1 to 0 score. This game was exceptional for the Tech squad in the fact that Michigan Normal has defeated several middle-west universities. The students are urged to come out to cheer the team to a victory, which although non-league, will nevertheless be an important one.

Postpone First Lake Forest Game
Because last Friday's downpour of rain put the Lake Forest diamond in no bad condition, the Tech team did not travel to Lake Forest to play the scheduled league game. However, four league opponents did meet over the week-end, and Mt. Morris defeated North Central in their second meeting. In the other game, Wheaton beat Elmhurst to run its standing to four wins and one loss, the latter being administered by the Tech team. Wheaton now leads the league with an .800 percentage, while Armour is second with a .600 standing.

Tech Boxer Crowned Intercollegiate Champ

Warren Sandstrom, captain of the Armour boxing squad, and the only Tech entry in the Central Intercollegiate Tournament sponsored by the American Legion, won the 112 pound championship last Saturday evening at the Chicago Stadium. This was his last bout for Armour as he is graduating in June.

Boxers in eight divisions were crowned champions in the first intercollegiate amateur boxing tournament ever held in the Central States. Thirty-two fighters from seven Big Ten universities and three Chicago colleges competed in these bouts which started at 8 o'clock Friday evening.

Sandstrom Drew Bye First Night
Due to the fact that there were three entries in the 112 pound class, draws were drawn to determine the first pair for the Friday evening bouts.

Sandstrom drew a bye and had to wait till Saturday evening to fight the winner of the first match for the title. In the first bout Frank Diamond of Minnesota qualified to meet Sandstrom when he defeated Francis Fleichle of Illinois. The final three round bout between Diamond and Sandstrom was all that could be asked in the way of speed, boxing skill and punching aggressiveness in which Sandstrom showed his superiority by winning the judges and referee's decision.

TECH SHORTS

Defeat Mt. Morris
Armour's baseball team journeyed to Mt. Morris last Wednesday and defeated them 4-1 for its third league victory.

George Mayer only allowed the opponents six scattered hits, while Tech garnered ten hits off of two opposing pitchers.

The team is now in second place in the league with three victories and two defeats. Wheaton is in first place with three victories and only one defeat.

Incidentally, Armour gave Wheaton their only defeat when Biechne allowed them only two hits on Friday, April 22.

Archie Evans, Tad Omiecinski, and Steve Lillis each got two hits for Tech at Mt. Morris. Tad got a double in the eighth inning and later scored on a wild pitch.

The team was supposed to have travelled to Lake Forest last Saturday to play an out of town league game, but before the team got started, the Lake Forest aggregation reported a swimming pool in the baseball diamond and the game was postponed. A return game with this team is scheduled for tomorrow.

Attend Baseball Games

This week, Tech's nine will be host to Lake Forest on Wednesday, and Michigan State Normal on Thursday. Both games should be knockouts.

The Northern Illinois baseball league will officially close next week Saturday, May 21.

The team winning the championship will be awarded a silver loving cup. Twelve individual gold baseballs will also be awarded, besides one to the winning coach and manager.

Evans Leads Batters

Evans is still leading the regulars in hitting with a league average of .428 and a season's average of .357.

Charlie Sommer, center fielder, and Roy Young, right fielder, were out of the game with injuries obtained in the North Central and Ypsilanti games.

At present, Young is batting .357, while Sommer has an all season average of .333. All the boys are hoping they recuperate immediately.

Leroy Lynch has also been on the sick list this semester. Last year, he was one of Tech's leading pitchers, winning five games and only losing one.

Captain Chuck Jens has been out of the track meets because of an injury he received in the "Y" College meet.

Elmer Sademan won four first places and two second places in the double dual track meet held a week ago Saturday with Lake Forest and Milwaukee State Teachers.

John Roberts, '35, also did well by winning two first and three second places. He tossed the javelin, pole vaulted, and won the broad jump.

If he keeps up the good work, he should easily break three existing Armour field records. John also runs the 440 yard dash and the hurdles.

Trackers At Bradley

The track team will journey to Peoria this Saturday for their last meet of the current season.

Interfraternity golf and tennis started their first matches this week. Baseball and track championships will be concluded this week.

Varsity golf and tennis teams have won several of their matches and are showing mid season form.

The annual athletic banquet is tentatively scheduled for May 23. It is always a gala affair.

H. P. R.

TECH TRACKSTERS WILL COMPETE IN PEORIA SATURDAY

The Armour Tech track team with its two disabled veterans, Captain "Chuck" Jens and George Nelson back in the fold again, will travel to Peoria, Illinois. The squad will meet the Bradley Polytechnical Institute tracksters next Saturday afternoon in the fifth meet of the current season.

Since this is the final meet of the 1932 outdoor track schedule our thinly clad are determined to make it a successful one. Although very little is known of the all around strength of the Bradley squad, the Tech tracksters are confident of a victory.

Bradley New Opponent

According to the latest dope, Bradley Tech has a one man track team in a person named Redd. He participates in a half-dozen events with equal skill. Redd is a better than average hurdler, puts the shot over forty feet, high jumps, broad jumps and is a fast dash man. He has been clocked for a :00.8 100 yard dash.

Armour tracksters will find their hands full in coping with the Bradley star but the Tech runners have a well balanced team that should score plenty of points next Saturday.

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