



## Tibbals Officially Made Dean; Freud Resigns Night Deanship

### Successor to Freud Not Yet Announced

Dr. C. A. Tibbals, who during the past year has been serving in the capacity of Associate Dean of Armour Institute, was officially appointed to the post of Dean of the undergraduate school of the Institute as announced today by H. T. Heald, president. Dr. Tibbals, it was also announced, will devote all of his time to the administrative duties of this office, and takes over the position formerly held by H. T. Heald, who was elected to the Presidency of the Institute a few weeks ago.

#### Graduate of Wisconsin

Dr. Tibbals, who is fifty-two years old, spent his undergraduate days at the University of Wisconsin, where he also held the rank of instructor in chemistry from 1902 to 1906. Receiving his Ph. D. there in 1908, he joined the staff of Armour Institute the same year as an instructor in chemistry, serving as an assistant chemistry professor until 1918.

During the war, Dr. Tibbals served in the United States Army as Captain in the Ordnance division and returned to the Institute in 1919 as associate professor of Analytical chemistry. In 1928 he was promoted to the rank of full professor in the same department. In September of 1936 he received appointment as assistant dean of the undergraduate college and in 1937 became associate dean.

#### Devotes Time to Teaching

It was also announced by President Heald that Dr. B. B. Freud, professor of analytical and organic chemistry since 1923, who has been serving in the capacity of Dean of the evening division since September of 1937, has resigned this latter position in order to devote all of his time to his teaching duties. The resignation will be effective at the end of the 1937-38 academic year. At the same time, Dr. Freud received appointment as chairman of the section of chemistry under the chemical engineering curriculum.

In tendering his resignation of the Deanship of the evening division, Dr. Freud said: "The duties of Dean of the evening division have become so insistent and heavy that, had I continued as Dean, I would have been forced to forego all teaching functions as well as other professional activities. The importance of the evening division is already so great, and its possibilities for development so

(Continued on page four)

## Alumni Banquet, May 10; Schommer To Be Toastmaster

Armour alumni will gather once again next Tuesday at their annual Alumni Banquet, which will be held at 6:30 at the Medinah club. Among the speakers of the evening will be President H. T. Heald, whom many of the alumni will remember from undergraduate days as dean of the Institute. The indications are that when master of ceremonies John Schommer calls this year's banquet to order, there will be an even greater enthusiasm and unity of action between the alumni, trustees, and administration than in previous years.

One of the features of the evening will be the concert by the Armour Glee Club and Orchestra. At 5:00 the Musical Club members will gather at the Sherman Hotel luncheon room on Lake Street, where they will have dinner. At 6:30 they will appear at the banquet, and the orchestra will play during the meal. The Glee Club will then give a 15 minute concert, after which the Musical Club members will be allowed to leave before the business meeting opens.

There will be an address by Mr. J. D. Cunningham, president of the Armour Board of Trustees and representatives from the various classes whose graduation number differs by five from 1938 will make their reports as to attendance and the activities of their classes.

### Interfraternity Council Revises Rush Week Rules

The interfraternity council held its regular meeting last Wednesday, at the Phi Pi Phi fraternity house. A new board was selected and the fraternity rushing rules were amended.

The new board consists of T. Collier of Phi Pi Phi, president; B. Bernstrom of Delta Tau Delta, treasurer; R. Dodge, of Pi Kappa Phi, secretary; and J. Lindahl of Phi Kappa Sigma, handbook editor.

The amendment embodies the changing of rush week rules. Instead of being held in the second week of school as formerly, it will now be held the week before the official opening of school.

## Tibbals Appoints Fifteen Marshals

In a bulletin issued last Monday, Dean Tibbals announced the appointment of the following men as honor marshals for the baccalaureate and graduation ceremonies. Juniors: George J. Derrig, Max Ephraim, Jr., Daniel W. Jacobson, E. J. Loutzenheiser, Jr., Thomas W. Yeakle, Jr., and A. M. Zarem. Sophomores: John R. Gerhardt, Sidney A. Heenan, Thomas A. Hunter, Robert S. Kohn, Henry F. Newman, and Francis A. Opila.

Freshman: Marvin Camras, Edwin L. Hass and Henry V. Dryer.

These men will be assistants to the head marshal, Prof. C. A. Nash, to see that the ceremonies go off smoothly. The baccalaureate sermon will be given in Orchestra Hall, as in previous years. Commencement exercises will be held in the auditorium of the Museum of Science and Industry in Jackson Park.

Several interesting facts can be culled from the list of men who are to occupy the honor positions. Eight of the fifteen won freshman competitive scholarships, and eight of the twelve juniors and sophomores were honor marshals last year.

The selection of the marshals is made on the basis of scholarship. The six highest men in the sophomore and junior classes being chosen along with the three top men among the freshmen.

### Call for Your Cycles in Bookstore Now! 300 Left

Cycles were distributed to the student body during JUNIOR WEEK, but 300 still remain in the bookstore. Each student that pays an activity fee is entitled to a copy of the yearbook, copies of the *Armour Engineer and Alumnus*, and also a subscription to the *Armour Tech News* without additional charge.

At the present time, many freshmen and sophomores, who have paid their activity fees, have not obtained their copies of the *Cycle*. It will be impossible to hold so many on hand so the men who have not received their copies are asked to do so this week.

Additional copies may be secured for three dollars.

## English Dept. Sees 'You Never Can Tell'

Last night and the night before last saw two groups of Armour students down at the Goodman theater. The occasion was the presentation of George Bernard Shaw's new comedy, "You Never Can Tell." The trip was sponsored by the men in the English department in connection with the departmental study of all forms of literature. Since the modern play has been taken up as the final phase of this study, it seemed fitting and proper to go and see one at first hand.

By a purchase of one hundred tickets, fifty for each night, that number of students were permitted to witness the performances. From all reports, every one of the fortunate hundred had a goodly number of laughs and a thoroughly enjoyable evening. Two of the English professors accompanied each group on the two nights in order to point out the important constructional features of the play in a discussion afterwards.

### Anthone Elected President of Chi Epsilon Honorary

At a meeting of Chi Epsilon Fraternity last Friday, H. S. Anthone was elected to succeed M. Zar as president. B. Kirz was elected to the office of vice president. The office of secretary as well as *Transit* editor for the coming semester will be filled by C. W. Reh. Professor R. L. Stevens was unanimously reelected as treasurer.

Memorial day was celebrated by the fraternity members by a week-end party at the cabin of T. L. Speer, graduating senior at Valparaiso, Indiana.

## Large Alteration Program Planned

Details for the remodeling of Armour Institute, other than the Mission Building have just been released by W. Koster, Superintendent of Buildings and Grounds.

The main building will undergo extensive remodeling. The fifth floor shower room will have new steel partitions installed, the basement washrooms will have the tile floor removed and replaced by concrete and a complete set of new sanitary fixtures will be installed in addition. New lighting fixtures will replace the old lights in the corridors and laboratories.

The Physics Building is also included in the plans. The second floor will be rebuilt. New laboratories and offices for the instructors are to occupy this floor. The fourth floor drafting room will be entirely redecorated and new lights will replace the old hanging type of lamp.

Included in the building program is the campus in back of Chapin Hall and Physics Building. The unfinished brick surface, left when the porches were torn down, will be painted a dull red. Black, seeded dirt will fill in all of the low spots. The entire area will be landscaped with trees and shrubs. Contracts have been made for this work and actual operations will start very shortly.

Machinery Hall will have modern light fixtures in all of the shops next fall.

All of the contemplated improvements will be carried out under the direction of Mr. Koster. Actual work will begin in a few weeks. As much work as possible will be completed during the summer months. In the event that the work is not completed by September it will be continued during the school year until completed.

### Loutzenheiser Elected to Tau Beta Pi Presidency

Tuesday, May 24, fifteen men were initiated into Tau Beta Pi. After the ritual, the initiates and active members had dinner in the faculty grill. Afterward business was transacted and officers for the year 1938-39 were elected: president, E. Loutzenheiser; vice-president, T. W. Yeakle; corresponding secretary, B. Lyckberg; recording secretary, P. Peltier; and cataloguer, N. Rice. Since Professor Peebles had resigned his office of treasurer of Armour's chapter of Tau Beta Pi, Professor Spears was unanimously elected to succeed him in that capacity.

After the dinner and election, the members adjourned downtown where they attended the theatre. Some saw "Robin Hood," others saw "Marco Polo."

### Erisman and Sternfeld To Lead Players Guild; New Men Plan Revisions

Facing the loss of five members through graduation, the Armour Players' Guild met last Monday to reorganize and plan for the next year.

The election, in which only the seniors voted, culminated in a new slate of officers. Sophomores Ralph Erisman and Bernard Sternfeld won the positions of president and treasurer, respectively. The other office, that of secretary, went to William Buckman, a junior.

The new officers lost no time in swinging into action. Tom Hunter and Gene Worcester were pledged, and a petition for a portion of the reconstruction finances to be diverted to the stage rehabilitation was circulated. In addition, plans for a constitution to be made during the summer recess and the completion of the guild's room in Mission were drawn up.

A revising of policy seemed to be the keynote of the meeting. Expansion of membership, presentation of only the more modern plays, and rewards in the form of minor credits for participation in plays were included in the future program.

With President Heald's personal promise to provide a full time director to aid the Players, the Guild looks forward to the new year with complete confidence.

## Shannon Delivers Baccalaureate Sunday to Graduating Seniors

### Phi Lambda Upsilon Holds Election and Initiation

Phi Lambda Upsilon, the honorary chemical fraternity, held its initiation and annual election last Wednesday evening at the Triangle fraternity house. Those initiated were: R. B. Boertitz, J. D. Keane, B. K. Lyckberg, S. J. Moleculeski, and R. T. Smith, juniors, and J. A. Kubik, senior. Following the initiation ceremonies, the officers for the coming year were elected. The new officers are: R. B. Boertitz, president; B. K. Lyckberg, vice president; R. T. Smith, secretary; J. D. Keane, treasurer. E. F. Wagner was re-elected alumni secretary. After the election, the members went to a dinner and show downtown.

### Civil Camp Opens June 13. J. C. Penn to be Director

Camp Armour, the civil surveying camp, will begin officially on Monday, June 13. All civil engineering students between their sophomore and junior years are required to spend six weeks at field practice in surveying. Camp Armour at Trout Lake, Wisconsin has been established to provide a place for the students to do their work.

Professor J. C. Penn will, as in previous years, be the director of the camp. As the camp is situated in a state park, students are forbidden to take any firearms with them. Camp officially closes on Friday, July 22.

### Salamander Elects Daniel Jacobson New President

Salamander, the honorary fire protection fraternity held an election of officers on Last Tuesday in their rooms in the Physics Building. D. Jacobson was elected president and P. Hoffman secretary-treasurer. T. Yeakle was chosen for two positions, vice-presidency and editor of the *Deflector*.

L. Lange, graduating senior member of Salamander, is planning a senior farewell party for the graduating members.

## Expose! Dark Secrets of Professors Now Revealed for Edification of All

By the Old Rep

Those of you with an ear to the ground may have heard rumors of certain auspicious occurrences quaintly called, by those in the know, "Final Exams." Now, this little expression towards the end of each term has been causing full many no end of worry and of, why-in-the-Lord's-n-a-m-e-didn't-I-do-more-cal-homework. This attitude is wholly unnecessary, and has been brought about purely through unfair terroristic tactics of professors who, in a no doubt well-meaning mood, have, with home-work, persisted in attempting to cut into the night's revelry at the neighborhood cocktail lounge, locally known as "Stoppys Joe's."

The process generally consists of a little dialog, which we shall call type A. Professor: (After laboring through half the period and enlisting the aid of the massive intellects in the class to arrive at the solution of a problem.) "Any questions?" Student: "Uh, we won't have any like that on the final of course, will we, Professor?" Professor: (With happy smile, he has been anticipating such a query.) "Well-I-I, I think we will. (Reassuringly) Just two or three though. However, here's a problem we gave last year." Whereupon he proceeds to draft the outline of a problem that would have caused Newton to ponder. Scene closes out on class trembling violently and whispering to each other on how they heard he flunked nine tenths of his class last year and the rest had to argue vociferously to get an incomplete. The psychology of the thing is flawless. The class shows up haggard and worn on the morn of the final and finds as a rule

### Commencement Held in West Wing of Rosenwald

One hundred and sixty-one seniors of Armour Institute of Technology will participate in two of the most colorful and traditional functions of their undergraduate days at the Institute when they meet Sunday morning, June 5th, at 11 o'clock for Baccalaureate Services at Orchestra Hall, and on Thursday afternoon, June 9th, at 4 o'clock in the auditorium of the Museum of Science and Industry in Jackson Park for the 42nd annual Commencement Exercises.

#### Shannon Speaks Before

Reverend Frederick F. Shannon, D.D., Litt.D., LL.D., well known minister of Central Church, will, as he has for a good many years, deliver the Baccalaureate Sermon to the graduates, their parents, and guests. Immediately following the services, President and Mrs. H. T. Heald, with the Board of Trustees of the Institute, and the faculty, will meet the graduating class, their parents, and their guests, in the foyer on the second floor of Orchestra Hall.

#### L. W. Wallace, Speaker

Commencement Exercises, to be held in the Museum of Science and Industry, will signify the finale of four years of hard work for these seniors who will receive the degree of Bachelor of Science in either chemical, civil, electrical, fire protection, or mechanical engineering, engineering science, or architecture. The commencement speaker is to be Mr. L. W. Wallace, director of research for the Crane Company. He is very prominent in industrial and engineering circles, is vice president of the American Society of Mechanical Engineers, and has been decorated with the Cross of Knight of the Order of the White Lion of Czechoslovakia.

Arrangements for the Commencement Exercises are under the direction of a student committee of seniors composed of A. N. Schreiber, chairman; R. A. Kliphardt, R. F. Beardsley, W. J. Laise, Carmen Basile, and W. R. Marshall.

## Begin Distribution of 25,000 Copies of Engineer and Alumnus Tomorrow

The new issue of the *Armour Engineer and Alumnus*, which will be ready for distribution tomorrow, is going to contain several important and timely articles by prominent engineers. Dr. Charles M. A. Stine, vice-president in charge of research for E. I. DuPont & Co., has written an article with the Du Pont motto "Better Things for Better Living" as its title. It tells some of the interesting ways in which the development of modern chemistry has aided the public. The invention of new synthetic plastics. Lacquers and dyes have played a part in all of our lives whether we recognize the fact or not. Most of the new cars are furnished with synthetic paints or lacquers; our clothes are dyed with synthetic colors; our fountain pens, clocks, and any costume jewelry are all synthetic products.

In addition to Dr. Stine's article there will also be a story by Frank F. Fowle which concerns the engineer and his service to society. This article is titled "All Honor to the Engineer" and is by way of tribute to the genius of modern engineers for their work in improving our world.

Also in this issue is a story by Dr. Gustav Egloff of the Universal Oil Co. on "Modern Oil Refining." While this article will be of special interest to chemical engineers the mechanicals and electricals will find it interesting because oil refineries use just about

every kind of engineer some place in their cycle of operations. Several of the modern industrial methods of oil refining are discussed, including cracking, polymerization and recovery processes.

Mr. Edward J. Brady of the Hollup Corporation has contributed an article on "Arc Welding of Stainless Steels." This topic is one of great importance at the present time, because of the increasing use of the stainless steel type of metal. More and more utensils are being made of stainless alloys and new processes have had to be worked out to take care of each problem. This article is a discussion of one of the principle fabrication methods—welding.

One of the engineers for the Chicago Sanitary District, Mr. William Trinkhaus, Jr., has sent in an article on Chicago's modern sewage system. As most of us know, Chicago has a serious pollution problem to combat. The fight against typhoid and other diseases has taken many years and has cost many millions of dollars. At present there are several large sewage treatment plants in the city for the handling of all the city's waste. Mr. Trinkhaus discusses the operation and processes that are involved in the safeguarding of our lives from this particular viewpoint.

To round out the issue Prof. Hendricks has written an article entitled

(Continued on page two)



Armour Tech News

Student Publication of the  
ARMOUR INSTITUTE OF TECHNOLOGY  
3300 Federal St.  
CHICAGO, ILLINOIS  
Published Weekly During the College Year  
1937 Member 1938  
Associated Collegiate Press  
"Entered as second class matter December 8, 1937, at the post office at Chicago, Illinois, under the Act of March 3, 1879."  
\$2.00 Per Year Single Copies, 10 Cents Each

EDITORIAL BOARD

EDITOR-IN-CHIEF	RUSSELL KOTAL
MANAGING EDITOR	ROBERT JAFFER
NEWS EDITOR	MAX EPHRAIM
SPORTS EDITOR	HOWARD COYLE
COPY EDITOR	THOMAS YEAKLE
BUSINESS MANAGER	ROBERT WINBLAD
FACULTY ADVISER	WALTER HENDRICKS

EDITORIAL DEPARTMENT

Desk Editor	Carl Reh
Reprint Editor	John Kenne
Assignment Editors	Robert Bartussek, James Meyer, Francis Opila
Asst. Sports Editor	Tom Clark
Fraternity Editor	Douglas Macdonald
Feature Editor	G. Frost, B. Mead, E. Paulakis
Copy Readers	A. Hansen, J. Hobson, B. Sternfeld, A. Zarem
Columnists	M. Camras, E. Colant, I. Dziukowski, J. Hartman, T. Hunter, C. Iker, E. Kalnin, H. Krantz, B. Mandel, B. Milleville, J. Nicholson, P. Reh, J. Reidel, E. Rosenthal, S. Silverman, W. Waddington, H. Zimmerman
Sports Writers	L. Norhus, J. Ratto, E. Worcester
Sports Reporters	F. Anderson, F. DeMoney, J. Fahey
Cartoonist	J. Mirosznic

BUSINESS DEPARTMENT

Advertising Manager	Frank Slavin
Circulation Manager	Ralph Erisman
Circulation Manager—Co-Ops	Robert S. Kohn
Circulation Manager—Exchanges	Roger Smith
Business Assistants	W. Speth, P. Mayer

take more than a diploma away. There is the resultant ability which comes from four intensive years of study; there is the realization that they are Armour men. The only flaw in the rosy picture is that industry is under the so-called "repression" and can not absorb all of them.

A good number of them who do not obtain jobs will accept fellowships to Armour or other schools. The rest will do what? If they are wise they will keep their finger in the engineering pie in some way or other. If they are not working in an engineering field continuation of their studies in evening school leading to a M.S. is an excellent method.

Engineers have made possible whatever claims this world may have to a concrete civilization. If the world is to continue to progress, it needs and will continue to need engineers—the young engineers who are graduating now. Therefore, although the world is seemingly rejecting young engineering talent and brains at present, it must absorb them in the future or backslide to a lower civilization.

The system of government under which we will exist then is immaterial—the engineer will be an essential factor in it.

And so to those one hundred and sixty-one graduates we offer our congratulations and the advice to "keep plugging."

**Next Fall**

Upon returning to school next fall, we will find a "new school". With a completely modern cafeteria and soda fountain, redecorated assembly hall and a general modernization program promised, many of us will be anxious to return again in September.

New lighting fixtures will be installed throughout the Main building and Machinery Hall. The grounds behind Chapin Hall will be landscaped, carrying on the Institute's program of "Improving Armour".

Honoraries will find the private dining rooms invaluable for their smokers, banquets, pledging or initiation ceremonies.

The Slipstick

Cleave to the slipstick; let the slapstick fly where it may.

First Foo: "Say, that new farm hand you hired is certainly a dumb bunny."

Second Foo: "How come?"

F. F.: "Well, the dope found some milk bottles and he swears up and down that he's found a cow's nest."

\*\*\*

CHALK IT UP FOR EXPERIENCE

Bottle.  
Expectation.  
Grab.  
Wild elation.  
Smell.  
Palpitation.  
Drink.  
Damnation.  
Hair tonic.  
Expectoration.

\*\*\*

THE HUMAN BRAIN

Is the most wonderful organ in the world.

It starts working the minute we get up in the morning and—

It doesn't stop until we get to 33rd and the tracks!

\*\*\*

Woolworth Bldg.; "Why do you have one light?"

Statue of Liberty: "The less light, the more liberty."

\*\*\*

The technical name for snoring is sheet music.

\*\*\*

Judge: "I fine you \$1.10 for beating your wife."

Customer: "Yer overcharging me. It should only come to a dollar."

Judge: "That extra dime is for Federal amusement tax in your case."

\*\*\*

Are you still reading? Let's take time out for coffee. How many lumps of sugar? (Kind reader, here is where you get a break). Well, have a lot. Take one!

\*\*\*

Some people think it's wrong to stand on street corners, but not me; I always stand there. Almost everybody stops for me, and those that don't are foolish. I'm attractive and sleek looking, and although I caution people I guess they can't help going for me. You see, I'm a traffic light.

\*\*\*

SONNET TO A SCARECROW

When I was young I wanted to be,  
A big strong man, an engineer you see.

I saved my dough, for many a year,  
And came to Tech, with many a fear.  
I wasn't wrong, I soon found out,  
The dear old pros would whoop and shout.

Study to twelve, sleep to six,  
School by eight, or be in a h - - -  
of a fix.

Four long years, cramming for 'zums,  
Finally a sheepskin in my hands.  
Out into the world I happily went,  
Picturing the time I'd be a retired old gent.

Eight long years, I've reposed in peace,  
Gosh the nut house is a great place.

\*\*\*

He was in the chem. lab, and the professor was explaining reactions to him.

This liquid turns blue if your unknown is basic, and it turns red if the unknown is acid.

"Sorry, but I'm color blind," apologized the brain trust. "Have you got anything with a bell on it?"

\*\*\*

First Drunk: "Jee, whizz, we must be having an earthquake or shum-think."

Second Likewise: "Land shakes alive!"

First Polluted: "Oh, boy, you know it!"

\*\*\*

"Boy, oh boy! That was some blonde with you last night. Where did you get her?"

"Dunno, I just opened up my bill-fold and there she was."

\*\*\*

He: "Wanna hear a good joke?"

She: "Is it clean or funny?"

\*\*\*

Blue law of Illinois: ". . . and a person can not take a picture of a man with a beard."

Law student: "Of course not, he has to use a camera."

\*\*\*

If Ethyl married Shell, where would Texaco?"

\*\*\*

I must be leaving (so soon?).

J. P. B.

OLDEST ?

THE NEW HOME OF ALPHA KAPPA PI FRATERNITY AT ST. JOHN'S COLLEGE, ANNAPOLIS, IS 216 YEARS OLD!

GOOD CLEAN FUN !

IN A CLASS RUSH AT THE UNIVERSITY OF GLASGOW, SCOTLAND, 20,000 EGGS AND A TON OF FLOUR, SCOT AND FISH HEADS WERE HURLED. GIRLS ALSO JOINED THE BATTLE!

Vol. XXI. June 1, 1938 No. 15

We take this opportunity to extend to the members of the faculty and student body our best wishes for a pleasant summer vacation.

**After Commencement**

Baccalaureate sermon, commencement day a diploma and—finis: one hundred and sixty young engineers have completed their undergraduate education.

It is, of course, superfluous to say that these men

Fraternity Notes

By DOUGLAS MACDONALD

All fraternity notes must be received by the fraternity editor before noon Thursday in order to appear in the next issue.

PI KAPPA PHI

Last Thursday, we installed the following officers:

Archon . . . . . Raymond A. Dodge  
Treasurer . . . . . Frank J. Heindenreich  
Secretary . . . . . Robert B. Maxwell  
Historian . . . . . William B. Buckman  
Warden . . . . . Roy B. Burman  
Chaplain . . . . . Edward V. Malala

After the installation we held a smoker and splash party for the new officers.

The Mothers' club bridge party of last Tuesday was a huge success.

Congratulations to Brothers Paul Hoffman and William Buckman, the former on his election to the presidency of the F.P.E.S. and Sec. Treas. of Salamander, and the latter on his election as secretary of the Players' Guild.

On June 10, the last Pi Kap social event of the academic year will be held. It is to be a senior farewell party. Since this is the last issue, Au revoir to Brothers Perlet, Speer, and Thomas, graduating seniors.

Camera Club Plans Fall Term Projects

Completing a most successful year, the Camera Club officers are now making plans for next semester. They are thinking of cutting down the membership of the club in order to provide maximum benefits for the more active members.

Plans for a photography salon have also been discussed. The salon would be in the club rooms and would contain a permanent exhibit of mounted photographs. Some of the photographs will be obtained from time to time through camera contests sponsored by the club.

Ernest Mehlinger, student founder of the Armour Eye, is graduating this June. The club will miss him and his invaluable aid towards the development of the organization.

F.P.E.'s Have Smoker in Mission Thursday

Twenty members of the Fire Protection Engineering department turned out last Thursday for their annual smoker. The function was held in room "D" of the Mission. All of those present thoroughly enjoyed themselves at a "Monte Carlo" evening, the phoney mazuma being supplied by president-elect Paul Hoffman. Several lively games of red dog and black jack started the rapid transit of "money" from one player to another more fortunate.

Along toward 9:30 the annual award of the Crosby-Fiske-Forster Handbook was made to Tom Hunter by Professor Finnegan. This award is given each year by Salamander, the honorary fire protection fraternity, to the sophomore who made the best record in the department during his freshman year. The award is one that is really worth working for as the handbook mentioned has come to be looked upon by fire protection engineers as their "Bible." It contains just about all that is known about fires and fire hazards at the present time.

RHO DELTA RHO

Last Saturday thirty-five Rho Delt couples "stomped at the Stevens" at our annual dinner dance. The affair was adjudged by all as magnificent. We now point to finals and then, as a celebration, to Brother Saltzman's party.

We held our last formal meeting last Friday where several summer affairs were planned, among them beach party and picnics.

Study for finals is going on in dead earnest here, for we plan to assume our old position on top of the scholastic heap.

PHI PI PHI

Gamma Chapter of Phi Pi Phi Fraternity takes great pleasure in announcing the initiation of the following men:

Harold Anthon, C. E., '39  
Daniel Conant, Coop., '41  
Earl Covington, Ch. E., '41  
Philip Virtue, F.P.E., '41

The Chapter is also pleased to announce the Pledging of

Robert Schmidt, Coop., '41  
Vern Parker, Coop., '41

Congratulations to Brothers Anthon and Parker on being initiated into Tau Beta Pi. Nice going, fellas! Congratulations also go to our President, Tom Collier, on being elected Vice-President of the A. T.

ENGINEER—

(Continued from page one)

"A Day's Visit to Armour Institute." His article describes the every day activities about the school in all of their phases. Since this magazine is sent to most of the alumni it should bring back many memories to them.

The issue of the Engineer is to be the largest that has ever been published. According to the publication staff there will be almost 25,000 copies printed. They are being sent to all of the alumni, students, and several large industries. The magazine reaches people in every state in the union.

This issue of the Armour Engineer and Alumni will have a larger circulation than any other school publication in the entire world. Because of this, Armour Tech is receiving added prestige among the technical schools of the country, bringing the graduates of our institute a higher standing wherever they go. Because the Engineer is such an outstanding publication it gives employers who have not had any previous contact with Armour a favorable opinion.

S. A., also on his being elected President of the Interfraternity Council and President of Beta Omega Nu, an interfraternity honorary on the campus.

Luck to our tennis team which is now all set to play off the finals for the cup.

The men of Gamma are looking forward to the annual Senior Farewell Party which closes the year's social season for the chapter. We will be sorry to lose Brothers Deuter, Dunbar, Johanson, Monson, Parker, Plummer, and Widell, but we wish them much success in the work which is before them.

Lyckberg to Lead Alpha Chi Sigma During '38-'39

Officers of Alpha Chi Sigma for the coming year were elected last Thursday at the regular election meeting. B. K. Lyckberg was elected Master Alchemist; C. R. Adesko, Vice Master Alchemist; R. T. Smith, recorder. Reporter P. J. Pletier and treasurer R. B. Boertitz will continue their duties next semester.

An informal initiation and smoker was held on Friday, May 20, and on the following Sunday the formal initiation ceremonies were held. Following these, the members held a banquet downtown and later attended a show.

Applications for Student Work Now Being Taken

As in past years, part time work will again be available next semester for students desiring to earn a portion of their tuition expenses. Students who have attended Armour at least one year are eligible for the school jobs. Application for these jobs should be made to the cashier on or before June 15.

While there will be no definite information concerning N.Y.A. jobs until August, Mr. Setterberg believes that the program next year will be about the same as at present. Applications for work under the N.Y.A. will be taken in the latter part of August when quotas have been set.

Stoopbrain Bids School Fond Farewell, Home To Hillbillies and Sally Soon

Deer Sally,

Plato Ducksoup, imminent author-ity on Hydrophilosophology sed to the assemblage of reseerch fown-dashon A.I.T. scyentists, quote—Gantlemen, ovr long reeserch and experiment withe hundreds of blew-printz and micromeeters on the question of wich kame first, the hen or the egg, are futile. The egg are a duck's egg, unquote.

Wel, Sally, a stpidenduows move-ment started at skoll laste weak, namely a 40 millyon (anyway it had a lot of zeros) dollar stewartd unyon. Oh, boy, iz it going tew bea swel. The tentative plans is az follows, and they wil probably double it. First they is going tew compleatly remodell and redekorate the Misshing Bilding. They is going to streemline it, and paint it up four the first tyme in 103 years I gess. Then they are going tew make big lownges and study rumes. In won rume they ovr going tew billed a bige bar, and sterve frothy, intoxicating, invigorating, threa per scent chokolate sodies. There iz a ugly rumor that they are going tew hav sum classes also tew compete withe awl this. Gee, I can hardly wate for skoll to klose, summer vakashion pass, and skool to open agin next fawl so that wea can get going withe awl this.

Skoll Gets A. A. L. R. C. Prize

Deer Sally, a grate honor befell the skoll laste weak. The A. A. L. R. C.—American Associashon of Love and Romeos in Colledge—awarded us the yeerly metal and tin cup for ovr outstanding (under the balcony) acheavements in those fealds. We hav the largest amount of grate lovers and womin's idols in this skoll than in any other in the land (challenge?). Our cassonovas receive letters and photos from awl

over the kountry, including New York, Smith, Wellsly, Vassar, Alca-traz, Sing Sing and many other points. Feminin harts melt and there eyes drool wen they sea and hear these men. And I hav ben doing my share tew help.

Plannz Fishing Trip

Wel, deer Sally, another weak and a halve and I'll bea hoam agin, withe awl the foalks and yew, fishing horshue erick, swimmin in grand-pappy's well, hunting possum and rarebits in Bowser's wood, climmin the crags of Foothill mountins, and gazing into yewre eyes, wich are like moonlit pools of sunlite as Paddle-brain, my pet hog, fondly rubs aginst my leg. Oh, boy, Sally, and I hav only won thing to worry about five tymes beetween now and then—craminations. I am afrade the ezams our going to hit mea on top of my hed and give mea fallen arches. Again the profs hav meen glints in there eyes, and sneers on there fazes, as they face the trembling stewdents and withe a hollow laff rattle off the ninety-nine and one topics that wea are expected tew no for the exams, the fore thousand equasions, and the possibility of being axed about anything beetween page won and page 1203.

Yes, there iz nothing like the summer I am going tew spend withe yew and the foalks. By the waye, tel Pa tew sharpen my axe. I'll be darned if I'm going tew battle those six foot moskitoes with a butcher knife, like I did laste summer. I always think I get away frum them, but they get mea in the END.

Wel, Sally, must klose, as sum-won iz cawling mea sweetly, and it isn't the iceman.

Yures,  
Stoopbrain Bliss.

Electromotive Corporation Visited By Armour A.S.M.E. Last Week-end

Members of the Armour A.S.M.E. were conducted through the Electro-motive Corporation in La Grange, Illinois, last Wednesday, Thursday and Friday afternoons, May 25, 26 and 27. The tour was arranged by Prof. Roesch for three days in order to allow the entire membership of the society to attend as the plant restricts the number of daily visitors to thirty.

The plant, which is one of the newest large industrial plants in the Chicago area, is the home of many of the newest types of Diesel powered streamliners and switch engines. The popular Rock Island "Rocket," which is known to all Armour students, was built in this plant. The group was able to see the finishing touches being applied to a new Baltimore and Ohio streamliner in the paint shops.

Of interest to many of the members was the assembly floor where the locomotive is begun. Here workmen are cutting and welding huge slabs of steel, some 3 inches thick, to form the frame of the car which will contribute over 35 tons to the locomotive's total weight of 120 tons.

The absence of castings in the construction was apparent, notably in the truck suspension where the entire support for car, wheels and electric motors were built up of repeated welded sections of steel. After the frame is completed the Diesel units and the corresponding electrical equipment is set in place. The Winston Diesel units which are assembled at the plant are unique in the respect that the entire motor block is built up of welded steel. The engines range from eight to twelve cylinders, have 8 inch bores, strokes of 10 inches and will develop up to 300 H.P. at 750 R.P.M.

After the assembly is complete the trains are test run and given a final inspection. The plant is capable of turning out a complete locomotive a day running at capacity. Construction of switch engines and the stream-lined locomotive differ only in the exterior cover. The only differences being in the gear reductions of the trucks in order to enable the switch engines to develop its greatest pull at low speeds.



# BALLMEN TAKE YPSI 2-1; TRACKMEN VICTORS 72-59

## Triple Error In Eighth Upsets Pitcher' Duel

### Tech Executes Pair of Double Plays

E. Joseph Pacocha may be little, but he's got plenty of stuff. The Michigan State Teachers came all the way from Ypsilanti to look at some mighty fine pitching as the Techhaws won their season's final in an hour and a half to the tune of 2 to 1. The Armour boys dropped a twelve inning duel by a similar score Friday, May 13, at Ypsilanti, and here was sweet revenge.

Martin Zachar pitched excellent ball for the visitors and would probably still be trading the mound with Joe had his team not pulled three errors in the eighth to drop the game.

### Leonard's Bunt Scores Green

Armour's two runs were a gift—but they won the game. Green led off the eighth and used a nice eye to take a pass. Leonard got the sacrifice signal from the bench and promptly laid a pretty bunt down the first base line. Zachar picked it up and tossed it easily to first for an intended put out, but Everett got excited and let it pass by him into the right field foul territory.

Green went to third on the over-throw and raced for home. Everett tried to redeem himself with a peg to cheek Green at third. It was only an idea, because his throw went wide of the plate and Green scored. Hope still in their hearts to retire at least one man, the catcher, Anderson, tried to get Leonard at third and threw the ball into left field, the runner scoring standing up.

### Mound Work Is Excellent

Fast fielding and very little generosity from the mound saw the sixth and seventh innings pass in five minutes each. Ypsilanti scored her lone tally in the eighth on a single, an unintentional sacrifice and a single to the Gas Lab.

Box Score							
ARMOUR (2)			YPSILANTI (1)				
	AB.	R. H.		AB.	R. H.		
Bauch, c.	4	0	1	DeFrosca, 2b.	4	0	2
Dunne, 2b.	4	0	0	Walsh, 3b.	2	0	0
Wagner, ss.	3	0	0	Todd, 1f.	4	0	1
Kruse, cf.	3	0	2	Scripter, cf.	3	0	0
Krause, lf.	3	0	0	Zachar, p.	4	0	0
Gebel, 3b.	3	0	1	Fekryia, rf.	4	0	0
Green, 1b.	2	1	0	Russell, ss.	3	0	1
Leonard, rf.	3	1	0	Everett, 1b.	3	1	2
Pacocha, p	3	0	1	Anderson, c.	3	0	0
	28	2	5		30	1	6

## Ballmen Blanked By Foresters, 7-0

Failure to display any offensive strength last Wednesday afternoon at Ogden Field caused the Tech diamond men to be blanked by Lake Forest 7-0. The defeat was the second of the season at the hands of the Foresters.

Pitcher Maiman, of Lake Forest, had a little too much on the ball, with the result that only four safeties were banded out by the Techhaws. Kruse went the route for the hosts, and although striking out nine, gave up nine hits which, combined with some shaky support at times, gave the North Shore men victory.

## Armour Trims DeKalb In 13th Inning, 10-7

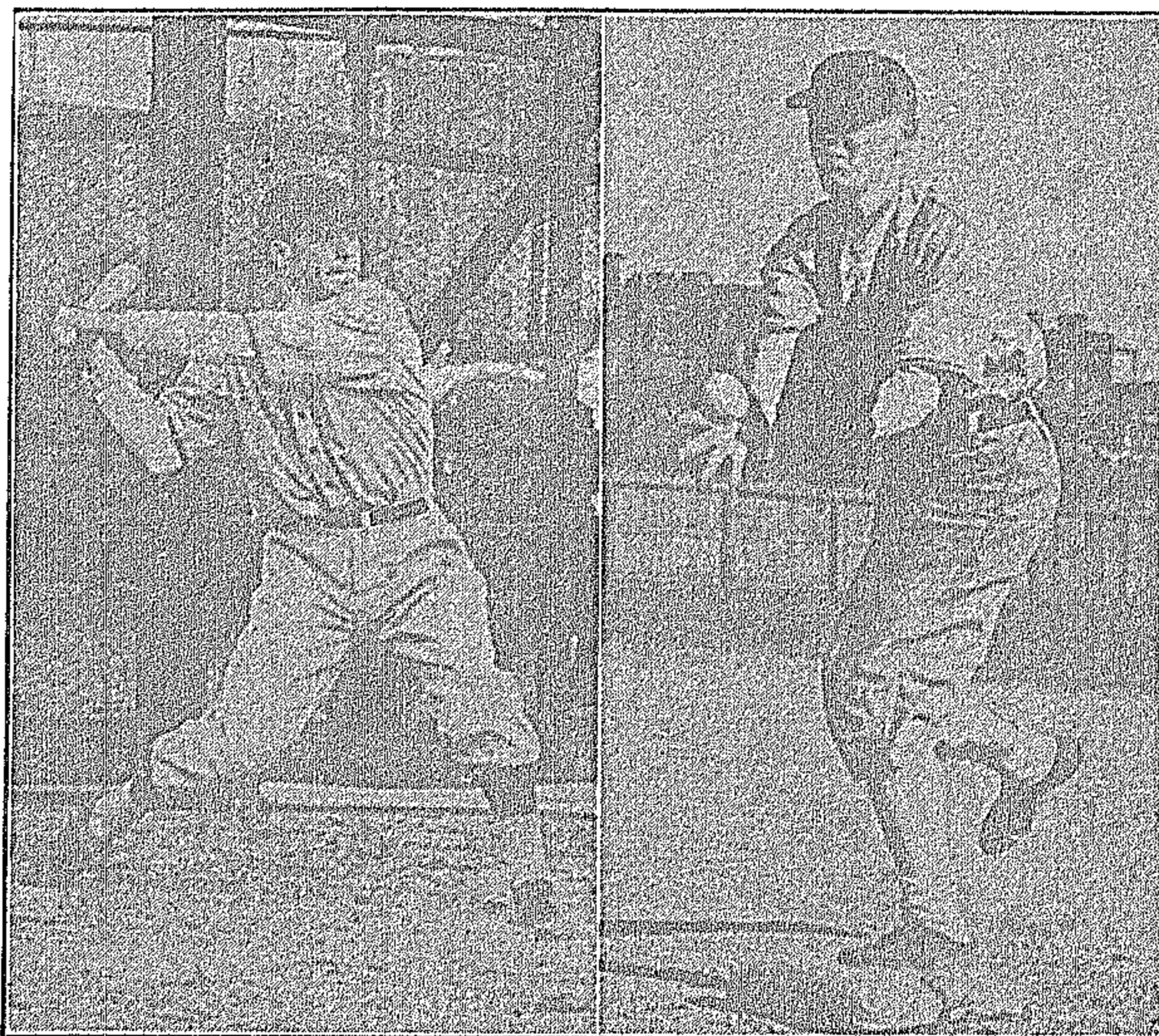
Lead by Joe Pacocha and Willie Kruse, Armour defeated the DeKalb State Teachers in what almost turned out to be a double header. The game went 13 innings and lasted four hours before Armour gleaned a 10 to 7 decision. The aforementioned gentlemen collaborated to win the game with some mighty good pitching and timely hitting.

Leading by a run with two down in the ninth and a lone Techhawk on first, pitcher Singer faced little Joe Pacocha with a grin of confident delight. Singer's mind must have been on Ted Weems and the school dance that night.

Joe let two bad ones go by for a couple of called strikes and on the number three delivery he exploded a beautiful triple into the creek bed out in left center, tying up the game and eventually bringing victory. The best ball of the contest was played in the extra innings, neither team allowing runners past first, while both pitchers bore down.

(Continued on page four)

## Co-Captains Turn Pro



### Cy 'n Wag

While Armour men have made their mark in the engineering world, the Techhaws have as yet to place a man in the field of Professional Baseball. Last Friday, Armour's co-captains, Irv Seidenberg and Ed Wagner announced their intentions of leaving

## Soph Schmiers Play in Finals At Noon Today

The soph chems versus either the junior juicers or the senior chems is the setup as the final of the softball tournament is billed to become a reality today. The uncertainty as to the upper bracket representative is due to conflicting schedules and special exams which seemed to put off the playoffs last Friday. The game between the senior chems and junior electricals was to have been played yesterday and the winner booked to face the soph chems at noon today.

The soph chems in reaching the finals barely waded through some tough opposition. Both the soph mechs and the Rats ran them into extra innings but lost 7-6.

### Overtime Win for M.E. '38

In the soph meech and chem game, the chems won, 7-6, after eight innings of argument and play. The game took nearly 90 minutes to complete due to the constant bickering. Bob Carpenter won the game for the schmiers in the eighth when he walked a homer against the right field fence. This hit marked the only run off Wolniak, who succeeded Epstein.

In their second game, the chems beat the Rats in another eight inning affair. The Rats lost 7-6. The sophs scored first when they tallied three times in the second. Johnny Cultra drove in two of the runs and scored the other. However the Rats came right back and, paced by Newhouse, assumed a lead of one run. The game see-sawed back and forth and was finally tied by the chems in the sixth.

### Sher Scores Winning Run

In the eighth the chems went ahead when after Sher had singled, Grigas grounded to third. A bad throw got Grigas at first but allowed Sher to get to third due to the awkward position of the first baseman, who made a beautiful catch. A throw to third in an effort to catch Sher went wild and the eventual winning run scored.

In their half, the frosh loaded the bases with two out but couldn't score as a pop foul ended the game.

The juicers reached their spot by beating the junior chems and the senior mechs. The chems were easy but the mechs proved quite stubborn before losing 6-5.

The game was a feature of home runs, the telling blow being a homer by Anderson with two men on. This move then made up for a similar blow by Bill O'Brien with bases empty.

The senior chems meanwhile took it easy waiting for someone to win the eliminations.



Graduation is always a great thing to the student and to the professor, but to the coaches it's just a big problem. Some thirty senior athletes will start looking for jobs this summer, while six coaches will start looking for men to fill their places—if they can.

Coach Stenger gets hit the hardest. Seven men will receive their diplomas this June, leaving a big gap in his Techhawk infield. Co-captains Wagner and Seidenberg will shoot for bigger honors in baseball this summer, while Gebel, Green, Dunne, Skeppstrom, and Roache will be leaving the infield, outfield and batteries a bit lean.

Grant Stenger loses some more good men on the basketball court. Co-captains O'Brien and O'Connell are off to commencement, and Sheehan and Wagner will also leave the roster. Wagner has been a major letterman in both baseball and basketball.

Sunny Weissman will have to try and find grappers to fill those weights just left open by captain Jimmy Dunne, Maxant, McDaniel, McIntyre and Kubik. Dunne with an unmatched record of 32 wins against but 6 defeats during his four years will be a hard man to let go in the 135 pound class, as well as at second base on the diamond. Weissman also bids farewell to Stober and Hoek on the punching squad.

Norm Root isn't overjoyed at the thought of leaving Capt. Clair Dunbar, Bingham, Faust and Widell off his starting squad next year. Many meets were won by these men, although a strong junior squad offers some consolation.

We especially congratulate all those seniors who helped keep every sport above the .500 mark this season. They should be proud of this, having left a precedent which will be rather stiff for remaining Techhaws. We face this problem each year, however, and those of us who return next fall may watch new stars rise to fill the positions of our present ones.

Howard Coyle.

## Kruse New Captain

At a meeting held in the field-house after the Ypsilanti victory last Friday, Willard Kruse was unanimously elected to pilot the baseball team in its '38-'39 season.

Kruse, a regular on the team for three seasons, is well qualified for the captainship, having both pitched and hit for the Techhaws. Assisted

## Colvertmen Whip North Central, 6-1

### Close with Seasonal Record of 8 Wins

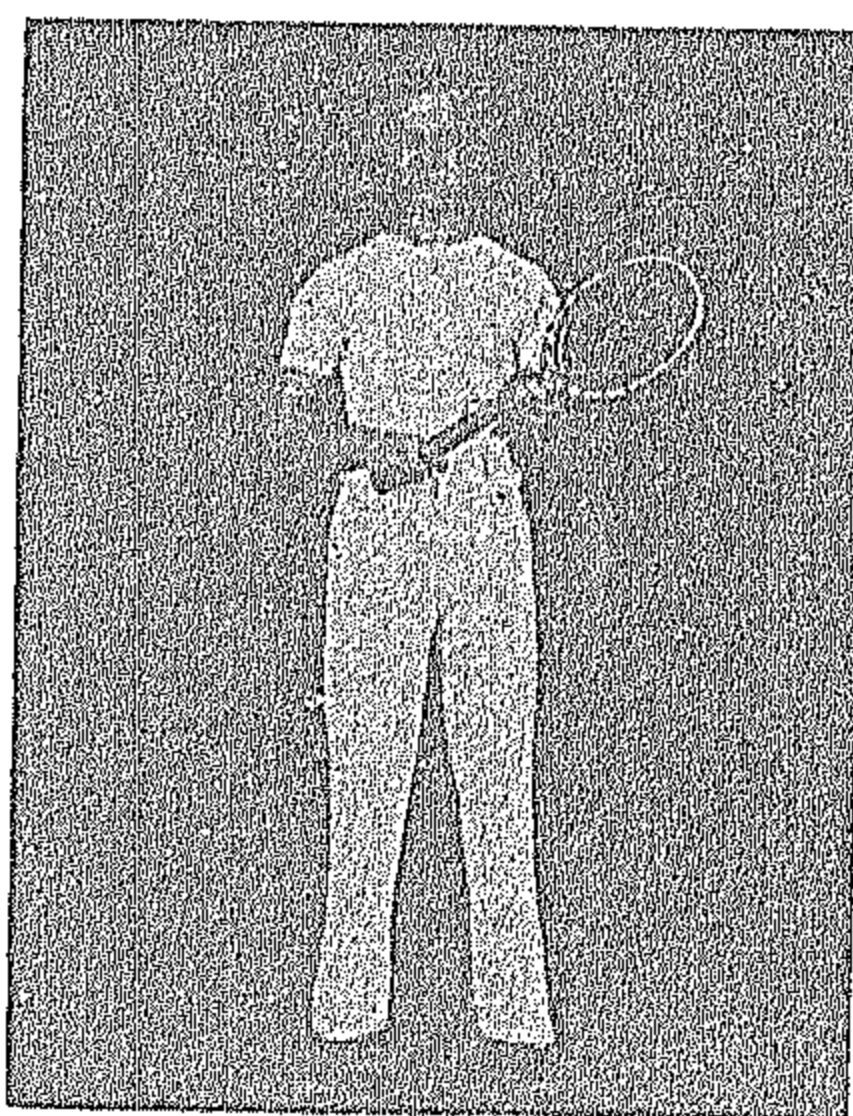
Decisively whipping the North Central Cardinals at Naperville for the second time, the Tech tennis team scored a 6-1 victory last Tuesday.

Losing the only match was the Natinchek-Swanson double combination. It took the Naperville duo three sets before finally settling the matter and winning the only match.

Boasting an enviable record of eight wins, two losses, and a tie, the Tech tennis team brought to a close one of its best seasons.

Some of the more pleasant victories were those over Indiana State and Illinois Wesleyan, while Purdue barely defeated Armour by one match, as Loyola did within one match game, and Swanson had the particular distinction of defeating a Chicago "B" singles man.

The individual honors go to Capt. Joe Kubie, who played a very dependable type of game while winning all



Nick, Captain Elect

but one of his eleven matches. Nick Natinchek and Ed Swanson, No. 1 men, both had nine wins and three defeats for their seasonal record. Nick was elected captain of the '39 squad last week.

Just beginning his net career under the tutelage of Coach Colvert was Bob Lange, who did a pleasing job of scoring eight victories while becoming a victim to four matches. Wagner held a 5-3 seasonal score card.

In the doubles competition the top lads did not fare as well. The Swanson-Natinchek had to be content with taking but four out of ten matches. The Kubie-Lange concern seemed to click better and oftener, losing only one and winning five. Still better was the doubles of Lange and Wagner, who smashed over all of their four opponents.

This year's team had only one senior, captain Kubie. This means that next year the U. of Chicago "B" team, Purdue and other Indiana schools will have a tough schedule to complete when they meet the more experienced Armour layout.

## Techhawk Golfers Win Final by 13-5

In the final match of the season, Armour's golfers were victorious over Wheaton, 13-5, at Green Valley Country Club a week ago last Saturday. Included in the victory were shutout wins by Schmal and Fox in the doubles, and Schmal and Sunde in the singles.

Schmal, soph co-op, shot the best golf of the afternoon with a 77 in the doubles and a 75 in the singles. Fox, soph architect, teamed with Schmal in the doubles, shot a 78.

The Wheaton victory gave the golf squad a season's record of four wins against three losses. The victories included two wins over Wheaton and an 18-12 triumph over a strong alumni squad.

Schmal showed the best individual record with a 16½-4½ in the singles and 12-9 in the doubles. The varsity got their final action of the season against the "B" team at Southmoor Country Club last Saturday.

The golf team promises to return strong next season because of the number of men returning from this year's squad. Twick Davidson and Carl Malmfeldt are the only men who will be lost through graduation. The next year's team will be built around

## Win Over Loyola Gives Squad 9th Victory of Year

### Clark High Scorer; Ties High Jump Record

Last Saturday's victory over Loyola brought the track season to an end with the records showing nine wins against three losses. The Techhaws scored nine firsts to five for Loyola.

Clark walked off with high scoring honors as he took firsts in the javelin throw and the broad jump, and equaled the Armour record as he tied for first in the high jump.

The discus throw was a clean sweep for Armour as Vandekieft, Burman, and Stehman tossed the plate far ahead of Loyola's entries. In the high jump Graham and Looney of Loyola were practically conceded the first two places until Clark hit his stride and cleared 5 ft. 10 in. to tie for first.

Rothenberg scored good firsts in the two hurdles events. The relay team of Matthews, McDonald, Cervoski, and Covington had only a little trouble in winning that event.

### POINTS SCORED FOR 1938 SEASON

	Ind.	Out.	Tot.
Vandekieft	23½	110	133½
Dunbar	10½	102	112½
Bingham	38	43	76
Rothenberg	24½	47½	72
Clark	13½	65½	69½
Covington	19	41½	60½
Finnegan	10½	35	54½
Platz	16½	37½	54
Elwood	16½	35½	52½
Dixon	11½	28½	40
Faust	8½	33	39½
Deuter	3½	21½	31½
Burman	6	25	31
Cervoski	1	29½	30½
Stehman	30	30	60
McDonald	15½	12½	28
Kyan	7½	18½	27½
Matthews	7½	17½	27½
Heidenreich	2½	6½	9
Bodnar	1	3	4
Garrity	4	4	8
Abbott	3½	3½	7
Parker	3	3	6
Simeon	1	1	2
Loftus	1	1	2
Ewing	1	1	2

## FOUR RECORDS FALL

By Jack Ratto

This has been one of the most successful seasons that the track squad has enjoyed for several years as the well-balanced squad swept over Loyola and Elmhurst indoors and then went on to beat Beloit, Elmhurst, and Wright outdoors before Illinois Wesleyan won a 66-55 decision.

The Techhaws were not to be denied though and they came back the following week to beat Wheaton and Elmhurst in a triangular meet and Wheaton in a dual count. Another week and another win was donated by the powerful Bradley squad.

### Upset Bradley Tech

The 65-61 win over Bradley Tech was the first win over these trackmen in eight years and featured the lowering of the two-mile Tech record by Steve Finnegan. North Central won its second over Armour by 99-32 a week ago.

The season brought with it several new and tied records. In the first meet of the season Dixon cleared eleven feet six inches to hang up the new pole vault record. The following week at North Central Elwood also cleared that height to gain a tie. This record was tied twice more before Elwood pushed it up to twelve feet in the Armour Relays.

### Bingham Sets Record

Bingham, the first Armour man to win a major event in the Armour Relays, tied the 60 yard dash record of :06.5 several times during the indoor season and in a meet again Elmhurst tied the 70 yard low hurdle record of :08.1. He broke the 70 yard dash at the Relays. The first meet of the outdoor season brought a new record in the discus throw as Vandekieft tossed it 127 feet 3 inches.

The Bradley meet gave Finnegan the chance he wanted and he stepped out to run way out in front and come in with a new record in the two mile run.

Schmal, Fox, Sunde, Mackey, and Korrell.

You Can't Spend  
a Second-Hand  
TEXT BOOK  
Till You Turn  
It Into

CASH

Bring in All Your Books  
and Realize Today's  
TOP PRICES

Remember . . .

Sell Them Now While They Have Value

WILCOX & FOLLETT CO.

1255 So. Wabash Ave.

Chicago, Ill.



ARX NEWS

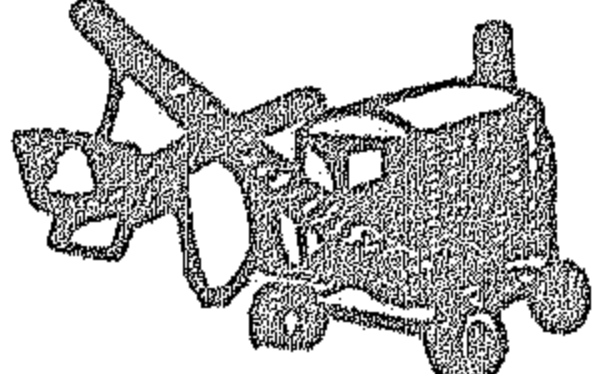
Well, here it is, almost vacation; that's what all of us have been waiting for, ever since September.

With June comes the graduation of the seniors. . . . It's too much to list their names; anyway, you all know them. . . . They're bright, cheerful crits, (who made that noise?). . . . Here's hoping that they'll come and see us next year. . . . We heard at the big "end-of-the-year" party, which Mr. Macgaughey gave at his home in Park Ridge, that Mr. Lader was gayer than ever before in his four years at Armour.

Big news in the junior room was the above mentioned party given by the junior crit. . . . It seems that Shaeffer was the casanova. . . . Mosley is in the grocery business now; he has half a carat for sale and \$1,000,000 worth of free advice with it. . . . Boulard smacked one of Mac's five pound cigars; Mr. Suter asked him if he ordered a stretcher with the cigar. . . . BOZ-ART thanks ART GUM, alias, John Rea, for the above info. Tanks keep!

Last week in the soph room, singer Hutton was dragging his head around on the floor. Who mentioned after-effects? . . . Tsk, tsk, Mr. Potter, watch your language. . . . Moy showed the sophs some real Chinese food the other day, Fox claims that he hasn't got a cast-iron stomach, otherwise he would have enjoyed it.

Steam Shovel



There is a suspicion that everybody has been leaning on the shovel this week. Little shoveling, not much "dirt." However, one can come to the conclusion that the dear Techers have nothing to hide—not much!

With school almost out, the only thing that the fellows have to worry about are those little matters of exams. Of course, things like that will not phase the astute seniors, who are blissfully contemplating those sheepskins. You can tell by the moody looks in the eyes of "BIG APPLE" CHELGREN and JACK O'CONNELL.

"Kiss-o-meter" fame is still spreading. Witness the fact that pictures of it with Chuck Modersohn doing his stuff have appeared in the roto sections of papers in Milwaukee, Cleveland, Kansas City and other points all over the country. The inventors, Larry Strocchia and "Cupey" Daniels, received last week an offer for the purchase of its wiring diagram from M.G.M. movie studios. The old adage, "build a better mousetrap, and the world will beat a path to your door," should be changed to "All the world loves a lover, but when you can measure the intensity of his love—wow!"

Obituary Column (Almost)  
CARL REH, DARING YOUNG DANSEUSE AND DESK EDITOR OF THE TECH NEWS, WAS SO ENGROSSSED IN HIS SHEET OF COPY WHEN CROSSING THE FIRE ESCAPE ON THE THIRD FLOOR CHAPIN THAT HE SLIPPED DOWN THE VERTICAL SHAFT AND WOULD HAVE QUICKLY ACCELERATED AT 32.2 FEET PER SECOND HAD HE NOT PROMPTLY GRABBED A RUNG OF THE LADDER ABOUT SIX FEET DOWN.

If the Mission organ doesn't perform anymore we can look to ART HANSEN and his jovial colleagues for an explanation. Art will probably say that three broken eggs caused it all. But after all, three unbroken hours of playing are pretty strenuous for any organ.

Yep. We hear BOLZ and CARSTENS are now looking for night crawlers. What are they for? We're sure you're not going fishing, so . . .

Since this is the last issue of the year, we will not bother you again until next September. Then we will be back with more and Letter "dope" about bigger and better "dopes," and we don't mean one of the seven dwarfs.

Research Labs To Enlarge Quarters

Several new laboratories and research projects were recently announced by Prof. H. A. Vagtborg, associate director of the Research Foundation.

The laboratories will occupy the third floor of the research building, which will make it almost completely devoted to laboratories and offices.

Universal Oil Products Co. is supporting its second project for the foundation. It will be devoted to the determination of the true temperature of catalytic conversion. Dr. Max Jakob will conduct the investigation. The theoretical work is now complete and the experiment work ready to be started. At the recent meeting of the A.I.Ch.E. in White Sulphur Springs, W. Va., Dr. Jakob delivered a paper on this topic entitled: "The So-Called Thermal Effect and the True Temperature of Catalytic Conversion." The apparatus with which Dr. Jakob intends to make his measurements consists of concentric tubes, the lining between the tubes being packed with catalyst, and the inside equipped with thermocouples.

A new X-ray and spectroscopy laboratory will occupy approximately 2,000 square feet of the fourth floor. Dr. Ziegler will be in charge of the X-ray works in this lab, and Dr. Copeland the spectroscopy work.

Another new addition to the Foundation's facilities will be a furnace

RESIGNATION—  
(Continued from page one)  
unique, that it is entitled to the primary interest of its Dean. Because I recognize the very large opportunities to serve the Institute that are inherent in the Deanship of the Evening Division, I find that the time has arrived for me to choose between this and teaching. Not without regret, I choose the latter." No successor has been appointed to take over the duties of Dean of the Evening Division.

The appointment of W. N. Setterberg, assistant registrar of the Institute, graduate of the Institute of the class of 1929, to the position of registrar of the evening division was also announced. In 1929, after his graduation, Mr. Setterberg entered the firm of Deere and Company as architect and later that year joined the engineering staff of the Chicago and Northwestern Railway Company. In 1934 Mr. Setterberg returned to the Institute to assume the duties of placement officer and in 1936 he was promoted to the position of assistant registrar.

room which is to house in part two of the long term research projects requiring high temperature furnaces.

The furnaces will be used by Dr. Kintner and Dr. Walker. Dr. Kintner is working on the Dolomite Research Project which utilizes a rotary furnace whose temperature ranges up to 3,600 degrees fahrenheit. Dr. Walker's work with the furnaces comes in connection with his research in high pressure. Five furnaces are to be installed, three electric furnaces and two gas fired furnaces.

Also installed on the new floor is a combined glass blowing and welding shop.

Ballmen Close with Seven Wins, Six Losses without N. I. C. Title

By virtue of their victory over Ypsilanti, Armour's Techawks were able to finish the season with a .539 average. While .500 is usually considered good ball, it marks a disappointment to the Armour team.

Touted as the best in Armour history, the team expected to finish the season undefeated and although they started out with five straight were checked by Lake Forest after a fourteen inning duel.

After Willie Kruse, mound as well as batting ace, set down the University of Chicago with no runs the Techawks felt assured of a good sea-

son. Elmhurst fell 19 to 6, Wheaton succumbed 6 to 2, and De Kalb in turn were taken, 7 to 6.

The team then went out to Lake Forest where despite great pitching by Kruse and similar hitting by Seidenberg, the Foresters finished on the long end of the 7 to 6 score.

After this the team seemed to just fall to pieces. With the sparkplug of the team, Irv Seidenberg, on the bench with a bum leg, the team played through a 11 to 0 defeat to North Central. This defeat was looked on as a natural relapse after a long victory string but a 13 to 12

setback at Naperville proved this to be an error.

Wheaton proved easy on Armour's home lot, falling 19 to 7 before the slants of Kruse. The team then took their annual trip, meeting Ypsilanti and Michigan State on the foreign fields. After 12 innings of brilliant pitching, Joe Pacocha dropped a heart breaker to Ypsi when an error set the stage for the winning run.

The team then went to Lansing and faced the Michigan State nine. Here Kruse again pitched a fine game but was beaten 5 to 4 when State rallied with two runs in the seventh. The final games included last week's wins over De Kalb and Ypsilanti, and a loss to Lake Forest.

However, midst the disappointment of the record, the Hawks have a couple of bright spots in the outlook.

Although North Central took away their title the squad had some enjoyment in blanking the Mills Stadium team 1-0 in a practice game.

BATTING AND FIELDING STATISTICS																
Player	AB	R	H	2B	3B	HR	SO	BB	SH	SB	Av.	PO	A	E	Av.	
Seidenberg .....	39	5	16	0	1	0	5	5	2	3	.410	63	16	2	.985	
Kruse .....	62	9	23	2	2	0	3	1	0	2	.371	18	21	5	.887	
Pacocha .....	52	17	15	0	2	1	3	7	2	5	.284	10	35	2	.958	
Dunne .....	58	10	15	1	0	0	16	5	3	6	.269	41	26	7	.905	
Gobel .....	39	9	10	2	0	0	6	4	0	2	.256	15	7	7	.759	
Wagner .....	56	12	14	2	1	0	11	8	0	3	.281	36	39	8	.802	
Newman .....	14	0	3	0	0	0	3	1	0	0	.214	6	6	4	.750	
Krause .....	38	8	8	0	0	0	4	0	0	0	.211	10	0	2	.833	
Green .....	56	8	11	2	1	0	10	4	1	3	.193	117	10	8	.977	
Bauch .....	21	1	4	0	0	0	4	1	0	0	.191	37	3	1	.979	
Leonard .....	37	7	7	0	0	0	8	3	1	1	.189	14	5	1	.950	
Roche .....	23	2	4	1	2	0	4	5	0	1	.174	5	2	3	.700	
Skeppstrom .....	8	1	1	0	0	0	2	0	0	0	.125	0	1	1	.500	
Gilbert .....	3	1	0	0	0	0	0	0	0	0	.000	0	0	0	.000	
Rehwaldt .....	1	0	0	0	0	0	1	0	0	0	.000	2	0	0	1.000	
Lyckberg .....	1	0	0	0	0	0	0	0	0	0	.000	0	0	0	.000	
<hr/>																
	598	90	131	10	9	1	80	44	9	26	.258	374	171	46	.922	

TRIM DEKALB—

(Continued from page three)  
Wagner opened the thirteenth with a long fly that quaked many a De Kalb heart, but the left fielder snared it out of the weeds for a put out. Kruse caught on to the idea and hit the first pitch ten feet further than the fielder out in left, and chalked up another double.

Green observed the precedent and slammed a double to center, Kruse scoring. Leonard then got a single, and Green tallied. After a change of pitchers and some sundry hitting, Leonard dusted off home on a balk, for the tenth run. Kruse had no trouble retiring the Teachers in their last chance.



Makes 'em all take Notice...

... just a wisp of Chesterfield's aroma tells you right away—there's a real cigarette.

That's because Chesterfields are blended with skill from aromatic Turkish and mild, ripe home-grown tobaccos.

Light one and at once you'll know that Chesterfields are milder and taste better.

give millions of smokers MORE PLEASURE than any other cigarette

For aroma... for taste... for mildness

Weekly Radio Features of the PLEASURE cigarette

GRACE MOORE  
ANDRE KOSTELANETZ  
PAUL WHITMAN  
DEEMS TAYLOR  
PAUL DOUGLAS