

## Fifteen Honor Men Selected By Tau Beta Pi

At the general assembly last Friday, fifteen of Armour's most outstanding students were publicly pledged to Tau Beta Pi, the national honorary fraternity. Tau Beta Pi membership is the most coveted asset of the engineering student, and it gains him the respect of the entire engineering profession. Eligibility is limited to the upper eighth of the Junior class and the upper quarter of the Senior class. While scholastic standing is the most important single qualification for membership, integrity, breadth of interest, character, and adaptability are also necessary. The student who earns his college expenses is given special consideration.

### Fifteen Men Pledged

The men pledged were John Catlin, Clark Crawford, Fred DeMoney, George Frost, LeRoy Goetz, Edward Hanuska, Frank Heidenreich, Constantine Kazmierowicz, Donald Mackey, Robert Mead, Henry Newman, Leo Stoolman, Aloysius Veras, David Whittingham, and Peter Woods.

Dean Tibbals introduced Prof. S. M. Spears who gave a brief talk before announcing the names of the pledges. Prof. Spears pointed out that, besides possession of competent professional skill, a successful engineer has an obligation to his community and to his fellow men which he must fulfill. Contrary to the belief of many students, the possession of a Tau Beta Pi key is not a detriment to the student's success at his first job. Instead, the key entitles the possessor to the respect of all with whom

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## Interviews In Mornings Only

In view of the important and extensive desk work that must be accomplished, the Placement Office is installing the policy of morning interviews exclusively. Another reason for this new policy is the planned vacation of Mrs. Carroll, Professor John Schommer's assistant in the placement work.

In about two weeks Mrs. Carroll is planning to take a three week visit to Maryland. Her absence will make it necessary for Prof. Schommer to personally interview all of the applicants for positions.

### Interviews Today

This afternoon Mr. Ellis A. Carson, Assistant Vice-President of the Sunbeam Electrical Manufacturing Company of Evansville, Indiana will interview applicants for positions in his company. Besides interviewing 12 senior mechanicals and electricals, Mr. Ellis will interview eight sophomore and junior students.

The company's plan is to employ these undergraduate students during the summer, in order to acquaint them with plant operation. In this plan, similar to the co-operative plan, the students will be employed as full time workers after graduation.

Last Thursday, the Commonwealth Edison Company interviewed 43 senior electricals and mechanicals. Mr. George E. Rodman of the training division and Mr. Frank M. Childs of the personnel division were the interviewers. It is expected that the results will be known within a week or two.

### Many Out of Town

Many students have been placed in more advantageous jobs recently. William Cade, a graduate civil engineering student, has accepted a position as an instructor of mathematics at the University of Hawaii. Edward Wagner, senior chemical, has been offered a job with Standard Oil of Ohio, while L. J. Wolniak, a mechanical, has accepted a job with the Caterpillar Tractor Company in Peoria.

Most of the seniors have had at least one interview to date, and many have had as many as four or five. The results of the interviews will be announced about the middle of April.



12th Annual  
**ARMOUR TECH  
RELAY GAMES**  
March 16, 1940  
U. of C.  
FIELDHOUSE

## Kenny Leighton Will Entertain Junior Couples

To the dashing rhythm of Kenny Leighton and his Edgewater Beach Orchestra, in the exotic, cushion-floored Bal Tabarin of Hotel Sherman the Junior Formal, the year's most important social event will take place. Of course it is a well known fact on the campus that the date and time for this coesetic affair are March 29, at 8:30 P.M. Not only have all arrangements been made as to the dinner which will be served at 9:00 P.M., but provisions as to facilities have been considered. The Hotel is easily available by private automobile or public conveyance; parking costs inside the hotel will be at most \$0.60 for the entire evening.

### Continuous Music

Continuous music is guaranteed throughout the evening with the Four Esquires, a string quartet, supplementing the music of Kenny Leighton. It was Leighton's Orchestra that played for the recent Interfraternity Formal and in view of this fact the dance committee feels particularly fortunate in obtaining his services.

A cuisine of an exceptionally artistic nature is assured, the menu having 9 courses, the piece de resistance being broiled milkfed chicken.

Reservations for tables for the probable 125 couples that will attend may be made on any Thursday from 11 to 1 in the Student Union Lobby. Half payment on the total required for four couples will assure absolute reservation of a table.

Men who desire to be fitted for tuxedos should appear in Sonny Weissman's office Thursday, March 14 at any time between 9:30 and 2:00. For all accessories and the tuxedo the cost will be \$3.00, shoes not included.

## Juniors Elect Head Marshal

Being Head Junior Marshal is a great honor, but a tremendous responsibility. Yesterday the runoff between the two highest candidates took place, the opponents being Charles McAleer and Frank Pfeffer. A ruling states that the winning candidate must have a majority over his nearest opponent of 10% of the total number of votes cast.

### Entire Class Votes

Each department elects two men for Junior Marshal, the man getting the second highest number of votes being alternate. The junior class then elects the Head Marshal, whereas the other candidate automatically becomes marshal for his department.

Bill Bauch, Ben Cole, Ray Dodge, Charles McAleer, Frank Pfeffer and Rudy Zoellner were elected marshals. The alternates are R. J. Hruska, L. H. Naum, Daniel Miller, D. W. Long, James Murray, and R. W. Greenberg.

These men are to take care of all athletic events during Junior week, to provide for exhibits during open house, and to make sure that visitors to the institute will be well-entertained during the open-house days.

Junior Marshalls will be differentiated from the rest of the school by a distinctive uniform. They will wear blue trousers and white sweaters containing insignia. This will bring the marshalls to the attention of those who need their assistance or information, regarding open-house activities.

There will be an important meeting of all Armour Tech News reporters at 12:00 today in the News offices. New men desiring to join the staff are also requested to appear at this time.

## Photographer Will Give Talk At 'Eye' Salon

Mr. Harry Wells, well known North-shore color photographer, will give an illustrated lecture at the monthly meeting of the Armour Eye, one next Friday evening at 7:30, with numerous color pictures of our National Parks, Europe and South America. After the lecture Mr. Wells will act as one of the judges of the Armour Eye salon and with the aid of Peter Stanley, who is president of the club, and several members of the audience, will decide upon the pictures to receive awards.

### Will Treat Results

Skipping rapidly over complicated technicalities, Mr. Wells will deal at more length upon illustrating results, and, with the aid of special equipment, will show numerous examples, relating his experiences in taking them during the last several decades.

This meeting is open to the public, and the gentlemen are invited to bring their lady friends. The program will be unusual and of general interest. The Salon is open to all undergraduate students of Armour Institute as well as the members of the Armour Eye. The prints should be mounted on regulation 16 by 20 mounts, with the entrant's name and other pertinent information on the reverse side. Each entry must have a title, and should be turned in to the club rooms on the fourth floor of Chapin Hall, second entrance, by 6 P. M. on Friday. There is no entrance fee, and the prints will be returned as promptly as possible. There are no limitations as to subject, but the prints should be eight by ten inches or larger and must be the work of the entrant.

An amendment to the Armour Eye constitution was passed at the meet-

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## Armour Tech Relays on Saturday Night at U. of C. Fieldhouse

### Student Body To Hear Van Doren's Talk Friday at 10

Carl Van Doren, one of the foremost of American critics, will be the speaker at a general assembly next Friday morning, March 15, at ten o'clock, in the Student Union. His subject, "The American Imagination," is one to which he has given years of study and reflection. It amounts to a new analysis of the American character reduced to the terms of common experience.

### Eminent Scholar

In a long and active career, which includes teaching, writing, editing, and public speaking, Carl Van Doren has earned a position of eminence in the world of scholarship and letters. He has just completed a biography of Benjamin Franklin as the result of a long, steady task; and it has been chosen unanimously by the Book-of-the-Month Club, has been awarded the Pulitzer Prize for 1939, and promises to be a permanent addition to great works of early American history. Of his autobiography, *Three Worlds*, Sinclair Lewis has said: "... It presents a sane and enormously talented American who has found our fields and cement canyons ... full of normal and exciting living."

A native of Illinois, Carl Van Doren took his first degree at Illinois University in 1907, received his Ph. D. from Columbia University, and studied further in Europe. Upon returning, he taught at Columbia. As a member of its English department, his lectures on American literature became so popular that they were regularly attended by many more students than had enrolled in the class.

### Editor of NATION

As literary editor of the *Nation* magazine, his unparalleled short book reviews resulted from his offer of one cent per word to well known professors for their reviews. Upon receiving the usual one-to three-thousand word essay, he would cut it down to three-hundred words, after the manner of a cream separator, and inevitably surprised the original writer with the brilliant results.

Mr. Van Doren's principle interest is studying American thoughts, feelings, and actions. Besides his many professional activities, he is an amateur expert on motion pictures, and has several hobbies among which are meeting people, gardening, and cruising in the Caribbean Sea. Mr. and Mrs. Van Doren have just recently arrived in Chicago from Hawaii where Mr. Van Doren has held the chair of professor in the University of Hawaii.

Saturday night is the night. That night will see the 12th Annual Armour Tech Relays put through its paces. Ever since its beginning in 1929, the Relays have held the spotlight of attraction for collegiate track luminaries of the Middle West.

With the preliminaries starting at 7 o'clock, a full evening of thrills is in store for the audience. For three hours the cream of track and field stars will be on parade. The dashes, the hurdles, the distance events, the relays, the field events, each will have its share of attention as thinclads of merit, as Davenport, Piker, Hackney, Smith, and Lenover grace the cinders of the University of Chicago field house.

### Fenske Star Last Year

Last year it was Chuck Fenske and Walter Mehl of Wisconsin that grabbed the lion's share of stardom. This year Max Lenover of Loyola will try to fill the great Fenske's spikes in the mile. A sure record breaker will be Elmer Hackney of Kansas State. Hackney broke the Relay record in the shot put last year, and is expected to smash his old record this year.

These, however, will not be the only stars to watch Saturday night. There will be fully 400 athletes participating in the Relays. These boys represent the best in the line of track and field men that 40 colleges and universities can produce. Many colleges are sending full teams to the relays, with the hope of taking home the team trophy. Kansas State College is sending a team of 24 men. This represents the largest contingent to represent a college in this year's Relays.

### High School Relay To Be Run

In addition to the running of the Relay events will be a special High School relay and a special Junior College relay. It has been the custom in recent years to hold the Chicago Public High School championship relay midway in the Relays program. This year will not prove to be an exception. Last year Crane won the event, with Englewood, Tilden, and Austin finishing in that order. The Junior College relay is a new addition to the Relays schedule of events, and teams representing Wilson, LaGrange, Wright, and Morton junior colleges are expected to complete the field for this event.

### Many Schools Enter

To date the following entries have been received: Cornell College, U. of Nebraska, Coe College, Western Teachers College, Northern Illinois State Teachers, Kansas State Teachers, Northwestern U., Monmouth College, Elmhurst College, Morton Junior College, Culver-Stockton College, Loyola U., Yankton College, Kansas State College, Central State Teachers, U. of Dubuque, Heidelberg, Lawrence, Wilson Junior College, Iowa State Teachers, St. Joseph, Illinois State Normal, Wisconsin State

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## "Stop, It's Wonderful!" Cries Reporter as Bubbling Bonnie Baker Lets Hair Down

By Tom Brown

It was with ill-concealed excitement and breathless anticipation that over 150 high school and college rag-



writers piled into "private dining room 17" in the Palmer House last Thursday afternoon to obtain, at long last, the deep-dark secrets of the life and love of Bonnie Baker. Details in a nut-shell: Love....there ain't none...yet; and life.....darn little of that.

Crawling through crowded legs, climbing up the back of a chair, and gently and courteously unseating three chattering females, your perspiring reporter managed to obtain a front-view seat at the inquisition. As a few minutes later the fabulous Bonnie trotted demurely into the room on the arm of genial Robert Orrin Tucker. Perched upon a table and surrounded in the luxurious folds of a costly fur-coat, the bubbling Bonnie was immediately bombarded by an incessant stream of questions. But the "shy voice of wee Bonnie Baker" is-

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# HACKNEY IN ARMOUR RELAYS

## Last Year's Events Reviewed; Hackney and Thistlewaite Star

### Michigan State Normal, Marquette Take Top Honors

By Warren Spitz

As we are practically on the eve of another running of the Armour Tech Relays, the *Tech News* herewith brings to the reader a review of last year's event so that, by comparison, he may be able to judge the forth-coming presentation by what took place one year ago. Good logic tells us that we can not forecast what is to come, by using past events as a premise, but we assuredly can't go wrong by leaving it up to our readers as to whether or not on the eve of March 16 we may expect a repetition of glorious past track performances.

#### 1939 Relays Tops

The 1939 staging of the Relays was run off with the precision and timing of men well versed in the art of track, both as to athletic and spectacle attractions of the sport. An excellent field and near-perfect conditions left much room for startling performances and expectancies were not disappointed as records were constantly defied throughout the evening.

It seems as if a husky young full-back by the name of Elmer Hackney had never heard of an Armour Tech Relays' record in the shot-put, for the Kansas State star stepped into the pit and put the shot 51 feet 9 1/4 inches to better the former record by more than three feet. Hackney will return this year and in all probability will better the record which he now holds, because he has tossed greater distances in current meets.

#### Michigan Normal First

In team scoring Michigan State Normal stole first honors—a powerful North Central squad which had won in 1938 in the college division. State Normal scored 561 1/3 points whereas North Central garnered 42 points. Marquette was top scorer in the university division by counting 56 1/2 points to Wisconsin's 50 1/2. Grinnell and Kansas State placed third in the college and university divisions respectively.

#### Shelton Scores Upset

Michigan State Normal's superiority was displayed in nearly every event. The Normal lads collected points in every event throughout the evening, excepting in the 70-yard dash. In the two-mile relay the Normal four established a new meet record of 8:06.5, thereby shattering the former record set by Illinois Normal in 1934.

Kauffman of Wisconsin and Shelton of Marquette equalled the meet record of :07.1 in the 70 yd. dash. Kauffman tied the mark while running in the semi-finals, whereas Shelton scored an upset by beating out both Kauffman and the highly-touted Piker of Northwestern in record time. We may rest assured that the dashes will again furnish their share of thrills in the 1940 show.

#### Wisconsin Had Mehl

Individual honors in the university division went to Walter Mehl, famed Wisconsin distance man, who practically single-handed, won the two-mile and sprint medley relay events for his team. Mehl ran anchor on both teams and came from behind to win going away. Later in the evening he edged out all competitors to win the one mile run.

Ed Thistlewaite, Northwestern star set a new meet record in the pole-vault as he vaulted to a height of 13 feet 11 1/4 inches to break the height set by Milt Padway of Wisconsin. Wagner of North Central pulled the fourth record breaking performance of the evening as he established a mark of :49.4 in the 440 yard dash. The old mark of fifty seconds was set by Heg of Northwestern in 1936.

#### Fenske and Deckard—Wow!

In the feature spectacle of the night, "Chuck" Fenske, formerly of the University of Wisconsin was pitted against Tommy Deckard, ex-Indi-

ana runner, in a one-mile match race. Cooper, another Wisconsin man paced the runners through the first two laps and Fenske went on to mark up a time of 4:12.5. As "Chuck" returns Saturday night, we may expect a finer performance on the basis of his recent wins over Cunningham and other top milers in the country.

Eddie Burke, former world record holder in the high jump, failed to set a new meet record as he clipped the bar three times in his attempts. The six foot six inch mark established by Charlie Betchel in 1938 still remains as a challenge to the '40 aspirants.

#### Grinnell College Constant Threat

Grinnell College was a constant threat to the point-setters in the college division. Third position was won by Grinnell as they totaled thirty seven points. Powers of Grinnell showed his heels to the remainder of the field in the 70 yard low hurdles to win over Mayer of Iowa Teachers. Pfohl tied for first in the collegiate scoring in the high jump.

Four records were broken and one was tied in the '39 edition of the Relays. As the times are decreased and the heights and distances increased, it is surprising that the Tech Relay marks are becoming a gauge as to what may be expected of our outstanding track performers of the country. A very select field has again entered in Saturday's feature and the caliber may be expected to improve as time marches on.

## Stenger Releases Baseball Schedule

Interest is running high on the campus concerning the prospects of the baseball team for the forthcoming season. It is the general belief that a good year is ahead, although the squad will be handicapped somewhat by the loss of Willie Kruse and Berndt Lyckberg through graduation.

#### Dozen Men Returning

However, Coach Stenger has about a dozen men returning from last year's squad and with these men as a nucleus a good team should develop. The men returning are Alex, "Wildcat" Yursis, Red James, "Slim" Holle, "Moon" Mankus and Bay, pitchers; Bill Bauch, catcher, "Hod" Carrier, Red Mueller, Capt. "Jug" Leonard, Jim Thodos and "Stump" Grosse, infielders, and "Moose" Krause, "Windy" Rehwaldt and "Pe Wee" Achinikian in the outfield. To support these men there are some fine prospects among the underclass men. However, Coach Stenger said that all positions are open and urges everyone to try out.

#### Baseball Meeting Will Be Held

A baseball meeting will be held during the week and all men interested should be present. A notice will appear on the Bulletin Board with the announcement.

A tentative schedule has been arranged and includes thirteen games.

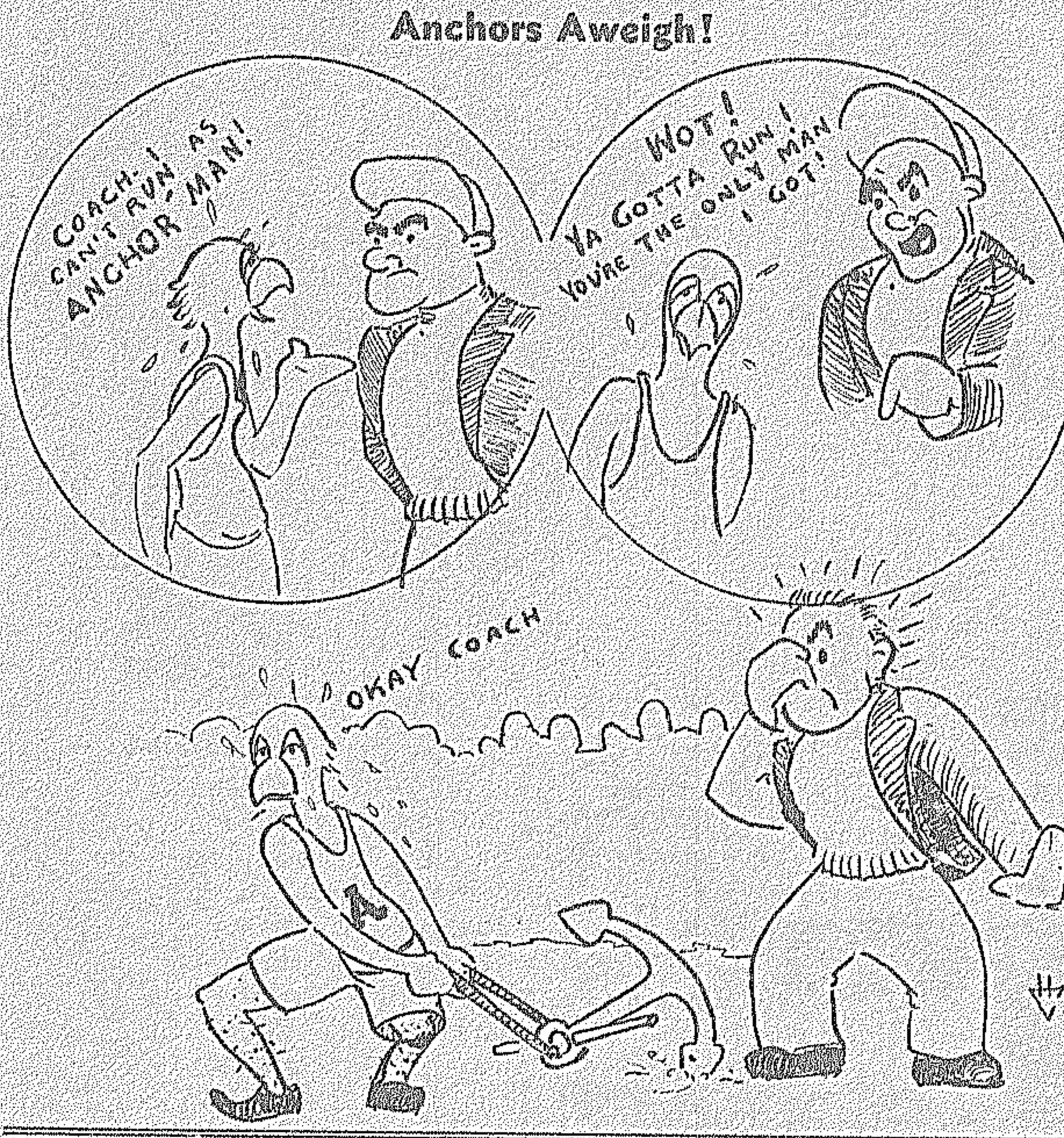
### Schedule—1940 Baseball

Date	Opponent	Place
April 10	Geo. Williams Col.	Here
April 16	Elmhurst	There
April 20	No. Central	There
April 24	Lake Forest	There
April 27	Chicago Teachers	Here
April 30	Lake Forest	Here
May 3	De Kalb	Here
May 9	Augustana	Here
May 11	De Kalb	There
May 14	Elmhurst	Here
May 17	Wabash	Here
May 18	Augustana	Here
May 22	Open	
May 24	No. Central	Here

### TECH RELAYS—

(Continued from page one)

Teachers, Beloit, U. of Illinois, and U. of Chicago, North Central, Wisconsin, Michigan Normal, Carleton, and Grinnell are few of the many colleges that have notified John J. Schommer that they will participate but have yet to send in their entry blank.



PAST WINNERS OF TECH RELAYS	
1929	Chicago
1930	Armour
1931	Loyola
1932	Indiana
1933	Chicago, Illinois State, Northwestern
1934	Michigan State
UNIVERSITY DIVISION	
1935	Pittsburgh
1936	Kansas State
1937	Wisconsin
1938	Illinois
1939	Marquette
1940	???
COLLEGE DIVISION	
1935	Butler
1936	Wayne
1937	Wayne
1938	North Central
1939	Michigan Normal
1940	???

## Tech Thinclads Seek First Win Of Year in Meet with Elmhurst

This Wednesday afternoon, March 13, Armour Tech's Track team will compete in its fourth meet of the current season, against Elmhurst at the University of Chicago Fieldhouse. The Armourites will be seeking their first meet victory, although the other meets have all been close.

High hopes have been expressed for this ice-breaking victory. Despite the fact that Elmhurst is reported through reliable sources to have a fairly good team, the steady improvement of our team seems to indicate victory, according to supporters of the track team.

#### Cerovski Back in Shape

Ralph Erisman, manager of the track team, commented, "We are certainly due to have a few breaks come our way in the Elmhurst meet. Besides, with John Cerovski back in



Norm Root, Track Coach

shape and the rest of the team in good form, we have great hopes of winning the meet."

According to the results of the first few meets, the leading point-getters can be picked out. In the sixty yard dash Charles Ryant is considered the best bet, while Co-captain Cerovski is the star of the middle distance men. In the mile Henry Jackowski is the leading candidate. Albert Bujan and Donald Keigher are the best hopes in the hurdles.



By Fred DeMoney

Faced with the task of computing ideas we will start off with "corrections." This item concerns the smiling star boarder of the Union building. Sonny Weissman did not graduate from Loyola, but from DePaul. In 1927 he received his B.A. degree; and in 1928 he was presented with the LLB degree. Only needing 72 credits for a degree, Sonny raised the ante to 84 and hence graduated with a surplus of 12 credits. Mr. Weissman's duties as a coach started in September, 1928. Then he had only boxing. The next year he added wrestling to his job, and the rest of Sonny's history is well known.

Here are a few facts about that Kentucky swimming team. They have no pool, and hence are called the "pool-less" Cats. The nearest pool is some 20 miles away. This compares favorably to the U. of C. pool. The "Kaintucks" are forced to take an annual winter training trip down to Fort Lauderdale, Florida. There the boys whip into shape, and swim against Florida, Georgia, and Georgia Tech. After this jaunt, the Cats head for home and have a few meets in their neighborhood, including the state conference meet. For the past four years the Kernels have been state champs. Then the tanksters turn north and swim DePaul, Loyola and Armour. Not a bad program. There is only one drawback, however, and that is the Florida escapade. We're afraid the boys had to break the ice this time before they dove in.

We thought the basketball season was over, but now it appears that the old adage "It's all over but the shouting" is true. We believe that Mr. Luber and Shukes have a point.

To Quote:  
A recent article by Jim Fahey gave us quite a laugh. To quote his *Memoirs in the Tech News of March 5*, "The best material in seven years isn't much of a season."

Perhaps Jim never heard of the stellar squad of 1934 consisting of Pflum, Heike, Merz, Warner, Dollemier, Christoph and Lauchiskis. Each man was a star in his own right. That was the team that succumbed to Frank Linskey and his National Championship crew at De Paul 41-40 after two overtimes. It's too bad that the underclassmen have to be fed on this "best material" hokey. We're not trying to cast any reflections on the team's ability, but we doubt very much if the boys could have handled De Paul's Frosh this year.

It's too bad that the fellows on the team won't place even one particle of blame for a disastrous season on themselves but are very willing to pass the entire buck elsewhere.

Maybe Jim would like to write the Slipstick, no?

Morton E. Luber, '38.

Charles J. Shukes, '37.

P.S.—The squad of '37 didn't do so bad either facing a similar schedule and being under the tutelage of the present cage mentor.

### WAISTLINES

When are those basketball letter winners going to be measured for their sweaters? . . . Or when are the players going to hand in their equipment? . . . I need a pair of gym shoes . . . that Cat team from the U. of Kentucky . . . whew . . . their medley has lost once in four years . . . last season they went through a ten meet season undefeated . . . Jimmie Dunne is finally married to Pauline and settled in the Southwest . . . oil it it . . . tennis, golf, horseshoes, baseball . . . they start soon . . . the Bibbmen have a five day trip planned . . . it needs some additions . . . how about that Intercity conference . . . spring is here . . . we pick a Co-op team to win the softball championship . . .

## Piker, Smith, Thistlewaite Also Perform

### Outstanding Men Make Competition a Guarantee

By Jim Fahey

I can't forget the glamour—  
Their eyes held a fiery light,  
And stars shone at the Relays  
Again that night.

Another year and another Relays about to take place under the guidance of John Schommer. Another year and another parade to Chicago of collegiate stars from all over the Midwest. Big schools, little schools, universities, colleges, high schools, all seeking honors at the top affair in indoor collegiate track.

Among the galaxy of stars coming to the Relays are past champions, present champions, and future champions. But despite the big names, the eyes of the experts will be glued on four men especially. First of these will be Elmer Hackney of Kansas State. Elmer, who last year shattered the shot put record by nearly six feet, is back for another try but under different circumstances. This human Merchandise Mart earned Big Six and All Mid-Western honors in football last fall when he played second fiddle only to Mr. Kimbrough of Texas Aggies. However, during the course of the season, Elmer injured his right wrist to such an extent that he cannot grip the shot properly. This didn't stop Elmer though, now he's throwing left-handed and rigorous practice has enabled him to gradually pull up to his previous effectiveness. This Saturday night will be the big test for Hackney will be trying extra hard to climax a comeback at the meet which saw him become a star.

Another star who will be watched carefully will be Myron Piker of Northwestern, who specializes in the sprints. Last year the Purple Phantom was expected to wade through the opposition on the strength of his victories in the Big Ten meet, but Myron came up with a bum leg and was unable to show any speed. This year he expects to lower the sprint record without the greatest trouble. Opposing him will be Johnny Davenport, sprint king of 1938, and ex-captain of an ex-Maroon football team. Davenport's football playing has knotted his muscles and removed some of his effectiveness.

A star of the 1938 meet returns in the person of Ed Smith, colored streak from the University of Wisconsin. As a sophomore two years ago, Smith broke the record in both hurdle races and became the first double record breaker in the Armour Relays. Last year Wisconsin split their team and sent Smith with Padway to Butler while Mehl and Buxton came to Armour. But this year, after splitting his duel with Gedeon of Michigan at Butler, the bronze timber topper is again headed for Chicago and Relay honors. Despite his past record, Smith is expected to have trouble winning especially against Schrilla of Marquette, who has been particularly effective this winter in the Hilltoppers meets.

Fourth in the eyes of the experts will be a lanky junior from the home of the Wildcats, Thistlewaite of Northwestern. Son of the famous football coach, Ed Thistlewaite, this younger edition is expected to remove the pole vault record from existence. Last year, he failed in an effort to smash the record, after he had broken it by a matter of inches. Again there will be a fight for first place as Bob Davidson of Chicago, who has been tied for first place repeatedly this year with Thistlewaite, will be jumping in his home pit and this might prove important.

Other stars who will threaten the records are Buxton, Wisconsin na-

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**WHERE, WHY, WHEN, ABOUT THE RELAYS**  
**WHAT**—12th Annual Armour Tech Relays.  
**WHERE**—University of Chicago Fieldhouse, 56th and University.  
**WHEN**—Preliminaries start at 7 o'clock.  
**TICKETS**—General admission, 40 cents. Reserved seats, 75 cents. Armour students will be admitted on their ATSA cards. (Obtainable in the cashier's office.)  
**HOW TO GET THERE**—"L" to 51st Street, street car east on 51st to University, walk one block south. Surface lines, automobile.

## Matmen Cop Fifth at Wheaton; Illinois State Wins Invitational

### Balsewick Gets Second In Heavyweight Division

John Balsewick, Armour's one-man gang, seemed to be the only Techawk to garner any pleasure out of the Wheaton Invitational Wrestling Meet held Saturday, March 2. Besides getting four of the five points Armour managed to total in winning fifth place in the meet, John defeated two of the men who had previously beaten John in dual meets.

Fighting in the heavyweight division Balsewick won over Vaughn of Beloit when the latter injured his shoulder after 2:10 minutes of wrestling. In his next match Balsewick drew Pinter of DeKalb, the boy who had just managed to beat him twice before in dual meets with Armour. Balsewick won, 8-7, in another one of the close bouts which had featured previous meets. In the final match in the heavyweight division, Balsewick tried hard, but was finally pinned by Fuldghum of Bradley after 5:10 minutes of tussling, and had to be satisfied with second place.

### Wolniak Goes Places On Bye, Forfeit

Wolniak, wrestling at 175 lbs. drew a bye in the first round, and lost to Ryan of Dubuque on a fall after 8:24 minutes of grunting and groaning. In a match later in the day, Wolniak won by virtue of a forfeit from Davenport who had also lost a match, to obtain third place in the 175 lbs. class.

In the 121 lbs. division Till lost to Switzer of Normal 5-13, and then lost to Miner of Wheaton on a fall in 2:10 minutes. Cole at 128 lbs. lost to Ellwood of Beloit 6-9. At 145 lbs., Captain George Hanna failed to get sufficient points and dropped a decision to Jungles of Normal, 5-13. Harrison, fighting at 135 lbs., was pinned by Chamberlain of DeKalb in 7:20 minutes. At 158 lbs. Nigrelli lost a close match 7-8 to Thomas of Beloit. In the 165 lbs. division, Kazmierowicz lost on a decision 8-11 to Hasdelhorn of Illinois State Teachers.

### Illinois State Teachers Win Meet

In the meet Illinois State Teachers beat out Dubuque by one point to get first place with a total of 23 points. Wheaton, failing to win their own Invitational for the first time in years, came in a bad third with eleven points. Bradley came in fourth in the meet with eight points and DeKalb and Beloit trailed behind Armour, tied with four points each.

## Plans Set for Next Season's Hockey Team

It looks as though hockey is over for this year, since the Techawk-University of Chicago game was called off because of the warm weather. Plans for a game with the Mid-way boys at the Chicago Arena have been temporarily dropped because of the high rent, however, next year there are games with the University of Chicago, the University of Illinois, Notre Dame, Northwestern, Beloit, Ripon, University of Wisconsin and the University of Montreal in prospect.

Five out of the six first string men are freshmen and have three more years of play ahead of them. Five of them are Canadians and have some experience playing in the amateur circuits, but they haven't played together enough yet to really click as they can. Armour boasts of one of the best hockey teams in any Chicago amateur leagues with this lineup for next season.

Left Wing—George McKchnie  
Right Wing—William Watson  
Center—Emerson Ryan  
Goalie—Chas. "Casey" Jones  
Left Defense—Richard Metcalfe  
Right Defense—George Crawford  
Alternates—Wendell Christensen

Charles Woerhl  
Morgan Fitch  
John Trontell  
James Bell  
Howard Young  
George Martinek

Hockey has gained the support of the freshman class and with such support the Techawks should go places.

## Armour's Softball Team Will Enter Collegiate League

Although softball is still in the distance, preparations are now under way for the formation for another year of the Intercollegiate Softball League of Chicago. This league, inaugurated last year, will again find Armour's Techawks an active member.

Last Friday, Jim Fahey attended the first meeting of the league at the Sovereign Hotel, where this year's plans were made known. Instead of being sponsored by Butler House as of last year, the tournament will be sponsored by the Sovereign Hotel and the Amateur Softball Association. The winning team will receive a handsome trophy and medals as a reward and will be given either a dinner or a dance by the Sovereign Hotel. Mr. Wicker, manager of the hotel, is the man behind the throne.

The winner of the tournament will also qualify for the elimination round of the Evening Herald-American Tournament and receive the corresponding awards.

Teams entered thus far in addition to Armour are last year's winners, American College of Physical Education, Central "Y," De Paul and Loyola, with Chicago Normal on the verge of entering. It is hoped that either Chicago or Williams will enter on the South Side, and Northwestern on the North Side so that two divisions may be formed.

"Sonny" Weissman will handle the coaching and management of the Armour team. Anyone who thinks he is a good player is asked to report to Weissman as soon as possible as all positions are open. Last year Armour won but one game, beating Wright Jr. College in the last inning by one run.

## Phi Kaps Win Greek Tournery

One of the hardest fought games in the history of interfraternity basketball games was played a week ago last night in the 5th floor gym. The final game between Phi Kappa Sigma and Alpha Sigma Phi was the cynosure. The game carried as many if not more thrills, chills, and spills than many of the games that the varsity played.

### Phi Kaps Show Tight Defense

For a few minutes after the jump, it seemed as though Alpha Sigma Phi might win the game. However, they soon were faced with a tight defense put up by the Phi Kaps. The heaviest scoring occurred in the first half but the last was by far the most exciting. With the score at 15-14 with the Phi Kaps having the one point edge, the atmosphere in the gym tense with expectation. Soon the Phi Kaps started stalling. On a free throw, the score became 16-14, and just before the gun a field goal for the Alpha, Sigs tied the score.

One basket was made in the three minutes overtime period, but it was sufficient to win the game for the Phi Kaps, with the final score standing at 18-16.

### Alpha Sigs Second Defeat In 22 Years

This defeat marks the second time in 22 years that Alpha Sigma Phi has not won the interfraternity crown. Last year the Alpha Sigs, in the name of Phi Pi, trounced Pi Kappa Phi to the tune of 34-23. In that game Schmidt and Hussander led the victors to their win. Schmidt had averaged more than 20 points per game during the entire tournament. In this year's tourney the Alpha Sigs finished the season with about that average.

Phi Kappa Sigma (18)			Alpha Sigma Phi (16)		
G.	F.	P.	G.	F.	P.
Lange	4	0	Schmidt	4	1
Charlton	1	1	Shaw	0	0
Clark	1	0	Pepinbrink	2	1
Taylor	0	0	Larson	0	0
Shanley	1	1	Hussander	0	0
Christensen	1	0	Diez	1	0
Rider	0	0	Brown	0	0
Bunce	0	0			
<b>Total</b>	<b>8</b>	<b>2</b>	<b>Total</b>	<b>7</b>	<b>2</b>

## Frosh Cagers Face Soldiers To End Season

Tonight the Frosh cagers will ring the curtain down on the 1939-40 basketball season when they invade the armory to take on Company C of the 108th Engineers. In their last encounter with the guards, the Techawks were defeated 27-23 in a very fast and exciting game.

### .500 Average If Win

Captain Casey Jones will lead his merry men in this tilt providing his injured knee is completely healed. Coach O'Brien will probably start Brazelton and McMacken at forward, Lagodny at center, and Jones and Guetzow in the guard positions. This game promises to be a lively one as the Frosh will be attempting to end the season with a win and loss percentage of .500, something no cage team at Armour has accomplished for several seasons.

### O'Brien Molds Greenlings Well

Bill O'Brien has done a fine job of molding green freshmen into the smooth functioning machine the freshman team now is. Armour's 1939-40 frosh cagers is a team without individual stars—each man working for the best interests of the team and always helping out his teammates. This is attested to by the fact that the points scored this season are evenly distributed among the various players on the team.

### RELAY HEADLINERS—

(Continued from page three)  
tionally ranked half miler, Lenover of Loyola, and Wanamaker of Marquette, both milers, Michigan Normal's and Loyola's mile and two mile relay teams respectively, and White of North Central who may soar past Thistlewaite and Davidson in the pole vault. These are a few of the known stars but there are many more as well as a couple hundred unknown potential record breakers. Stars fall on the Relays is indeed a true statement.

## Tankmen Splash to Six Firsts In 46-20 Onslaught Over Beloit

### Powers Takes Second First in Fancy Diving

### DE PAUW HERE SATURDAY

By virtue of their 46-20 win over Beloit College Saturday, March 2 in Bartlett pool, the Tech mermen made it six wins against two losses for the season. It was the second time this season the Wisconsin school has suffered defeat at the hands of the Techawks. Way back in 1939 the locals traveled up to Beloit for their first meet of the season, and returned victorious by a 37-29 count.

Armour copped six blue ribbons, including a double victory in the relay events. Along with these firsts were coupled four seconds. Beloit, handicapped by a long wait before the meet, was able to score only in the 100 yard back and in the 200 yard free-style. In those events Nelson paddled his way past Huxhold and Blume for a win in the backstroke, and Morton did the remarkable time of 2:17.9, the fastest time yet turned in by any of the competitors in the Tech meets, to whip Dodge in the long free-style event.

### McGillivray Present At Meet

The meet was marked by the attendance of Coach McGillivray, who made his first appearance at an Armour meet since recovering from a severe illness. The meet was also marked by the clashing together of Pearson and Morton in the 100 yard free style. At Beloit, "Whit" was taken by the Wisconsin flash. However, all Bartlett pool was witness to the revenge of Morton as Pearson beat him out by two body lengths.

For the second time this season an Armour lad took top honors in the diving. Bill Powers, whose antics on the board have been above the general "Armour" average, won this event from the same boys who beat him at Beloit. Against Chicago Teachers, Powers snared his first win in that event. Saturday's meet was the second time that he has come

out on top in the fancy diving. This Saturday the Techawks face the powerful DePauw squad from Greencastle, Indiana. On February 9 the tanksters visited the Hoosiers with the result that the Federalists had their ears and hopes pinned back by a 52-32 onslaught. Pearson was the only lad who was able to score a first, and he did that in the 60 and 100 yard free style events. He also anchored the winning relay team. Last year, at Bartlett, the potent Techmen lost the relay and the meet with a consequent 39-36 score. This Saturday DePauw will present a well balanced team composed of sure winners in Erdman in the 220 free style and Sellers in the diving.

40 YARD FREE STYLE: Won by Pearson (A.); Rademacher (A.) second; McIlraith (B.) third. Time—1:19.6.

100 YARD BREAST STROKE: Won by Koot (A.); Svagdis (A.) second; Shervis (B.) third. Time—1:14.5.

200 YARD FREE STYLE: Won by Morton (B.); Dodge (A.) second; Mankus (A.) third. Time—2:17.9.

100 YARD BACK STROKE: Won by Nelson (B.); Huxhold (A.) second; Blume (A.) third. Time—1:13.7.

100 YARD FREE STYLE: Won by Pearson (A.); Morton (B.) second; Geister (B.) third. Time—1:17.4.

FANCY DIVING: Won by Powers (A.); Hinchaw (B.) second; Geister (B.) third.

120 YARD MEDLEY RELAY: Won by Armour (Huxhold, Svagdis, Powers). Time—1:10.0.

100 YARD FREE STYLE RELAY: Won by Armour (Rademacher, Mankus, Pearson, Blume). Time—1:17.

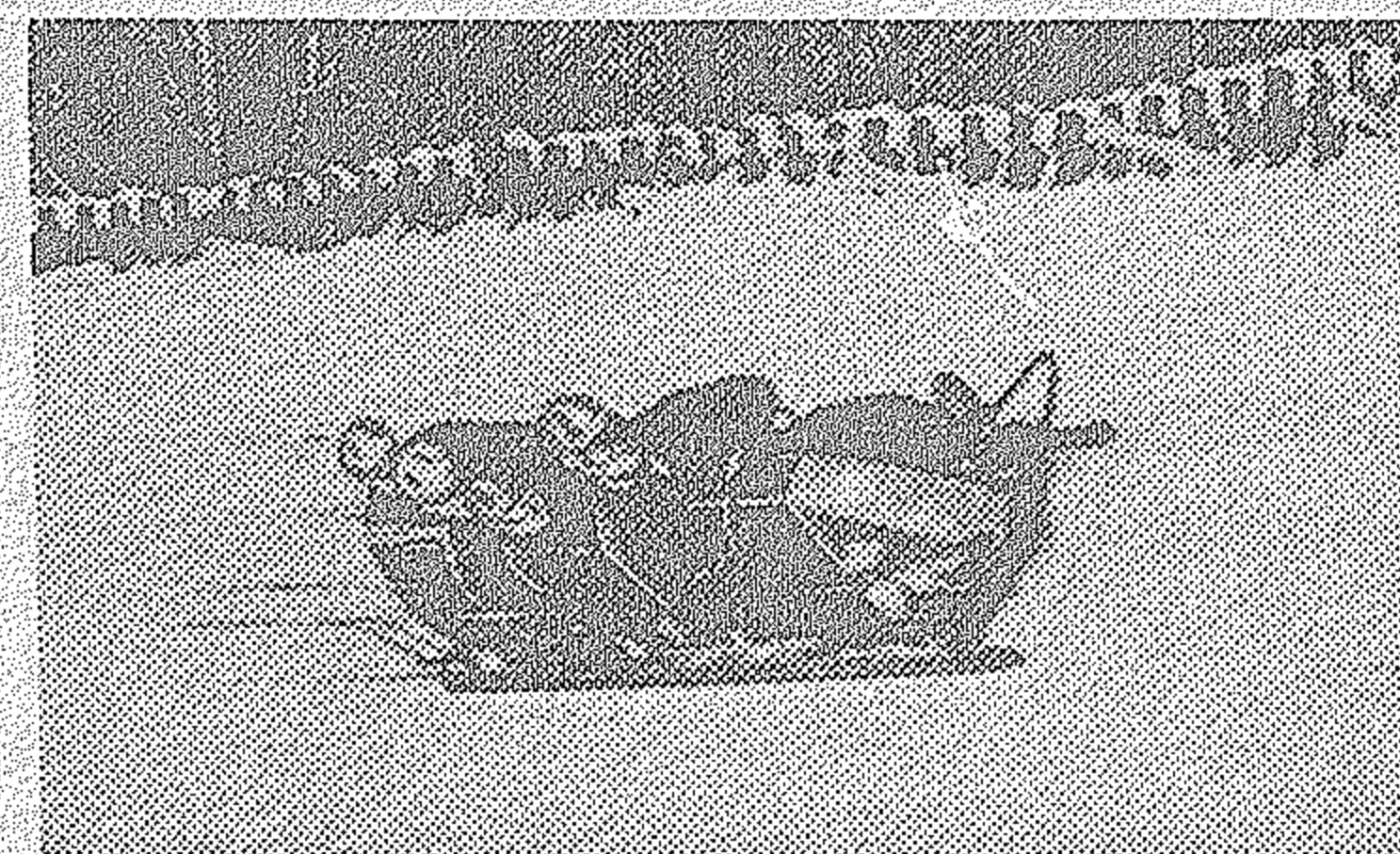
## Twenty Men Attend New Fencing Session

Tutored by R. S. Kirk and R. E. Tannehill, Armour's Fencing Club held its first practice in the gym last Thursday. About twenty men turned out for practice. Several of the men are adept swordsmen, and the group as a whole showed much promise as Kirk and Tannehill instructed them in the proper technique of lunging, advancing, and retreating.

Officers will be elected at the next meeting which is to be held Thursday in the gymnasium. It is not too late to join the club, and any students that are interested are urged to attend the next meeting.



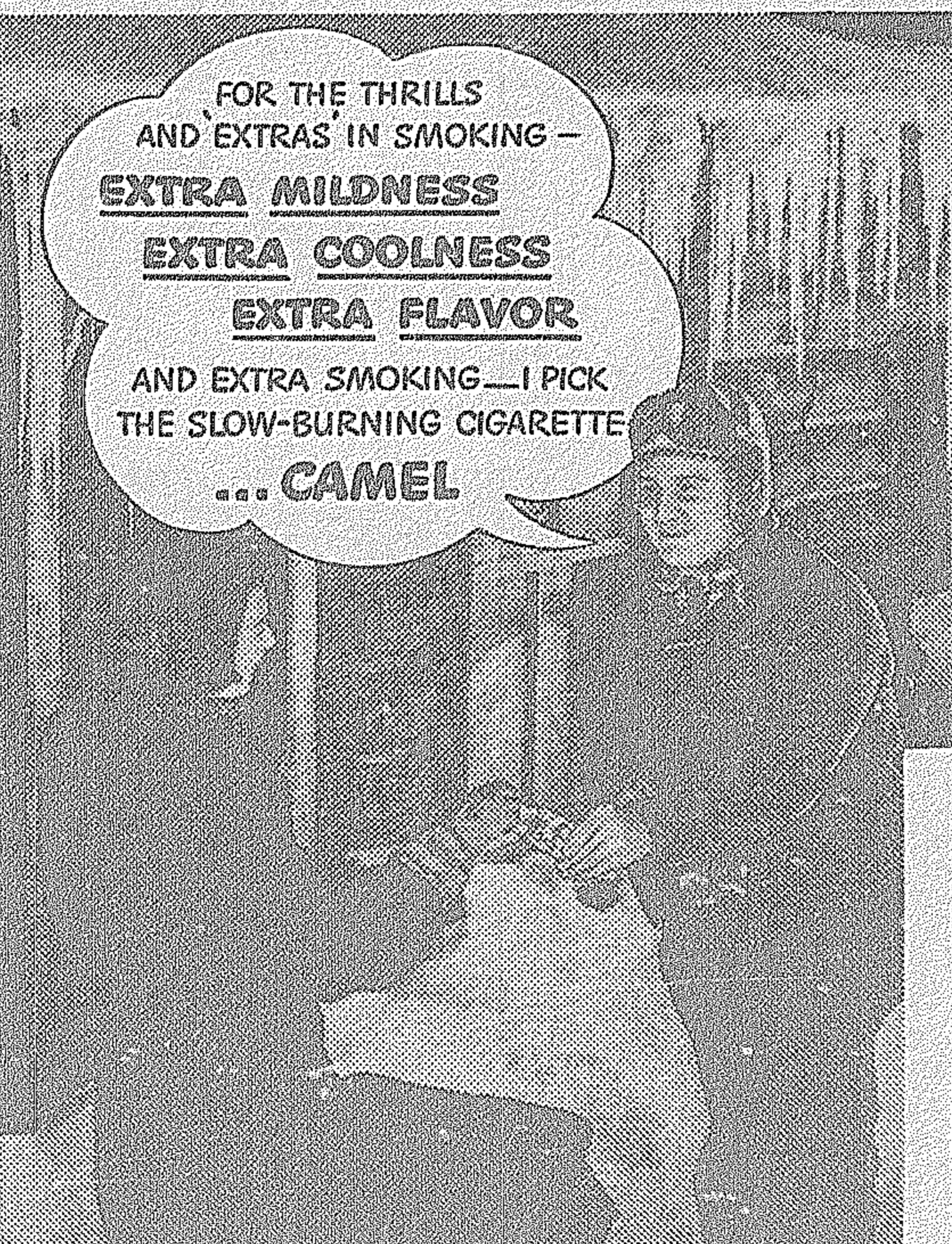
THEY'RE OFF! Streaking down the mile-long icy trough of the Mt. Van Hoevenberg run at Lake Placid, N. Y. with "Bucky" Wells driving. Fifteen breath-taking turns to go. Fifteen chances to taste the supreme thrills of speed. But in smoking it's different, very different. "It's slow burning that makes a cigarette tick with me," "Bucky" Wells says. And he means what he says, because slow-burning Camels have been his cigarette for ten years.



"ONE-TWO-BOB! ONE-TWO-BOB!" And, as the crew bobs, "Bucky" picks up speed...60-70-80 miles an hour, driving high on the glassy wall of ice as he swings the quarter-ton steel sled around the curve. But in the field of cigarettes, this daring speedster gives the laurels to the quality of slow burning that he finds in Camels. You can tell by their mild, mellow taste that Camels burn cooler, slower—and scientists have confirmed this. (See panel, right.)

MORE PLEASURE PER PUFF  
MORE PUFFS PER PACK!

"SPEED for bob-sledding thrills!  
SLOW BURNING for smoking thrills!"  
says champion "Bucky" Wells



FOR THE THRILLS AND EXTRAS IN SMOKING—  
EXTRA MILDNESS  
EXTRA COOLNESS  
EXTRA FLAVOR  
AND EXTRA SMOKING—I PICK THE SLOW-BURNING CIGARETTE... CAMEL

IF you want to know how it feels to go 80 miles an hour on a racing bob-sled, "Bucky" Wells of Keene Valley, N. Y. can tell you. He's done it plenty of times. He likes those speed-thrills on a racing bob. But when it comes to cigarettes, "Bucky" Wells is on the slow side...the slow-burning side. That means Camels! "I've smoked Camels for years, and I know they burn slower," "Bucky" says. "There's cool comfort in a Camel. Mildness—more flavor. And—slow burning means extra smoking. Yes, penny for penny, Camels are the best cigarette buy. I'd walk a mile for a Camel!"

Why would anybody feel that way about his cigarette? Try a Camel and see. Camels are a matchless blend of costlier tobaccos...slow-burning. They give more pleasure per puff, more puffs per pack.

In recent laboratory tests, CAMELS burned 25% slower than the average of the 15 other of the largest-selling brands tested—slower than any of them. That means, on the average, a smoking plus equal to

5 EXTRA SMOKES PER PACK!

# Camels—the cigarette of Costlier Tobaccos

Copyright, 1940, R. J. Reynolds Tobacco Company, Winston-Salem, North Carolina

## V. Komarewsky Gets Equipment For Oil Research

Under the direction of Professor Vasili Komarewsky, the Petroleum Research Laboratory was recently augmented by some valuable equipment. Included is a new cracking apparatus in which cracking reactions of different organic materials can be performed under high pressure.

The work is being completed by four graduate students who are working for their masters and doctors degrees. These students are J. R. Coley, Douglas Meigs, John T. Stringer, and Lesnid Warshawsky.

### Project Sponsored

A petroleum technologist, M. J. Beyt, is engaged in the industrial part of this work. The entire project is sponsored by the Universal Oil Products Company.

The work of the graduate students concerns the double reaction of mixed catalysts, as in the dehydration and dehydrogenation of alcohols, as well as catalytic cracking of different petroleum products.

This work is a continuation of the previous investigations of this laboratory by those who have already received their masters and doctors degrees. Much of the work has already been published in Scientific magazines such as the Journal of American Chemical Society and the Journal of Industrial and Engineering Chemistry.

## A.I.E.E. Group Hears Second Student Paper

"Developments in Magnetic Materials" was the subject of a student paper presented before the local A.I.E.E. chapter last Friday by Leonhard W. Holmboe. After reviewing recent theories of magnetism, Mr. Holmboe pointed out that laboratory developments have been so rapid in the last few years that theory has not yet had time to catch up with practice. For example, it is now possible to manufacture permanent magnets that will lift more than 1500 times their own weight. Laboratory samples of iron for core material have been made with permeabilities of about 1,000,000 as compared with 6000 for ordinary iron. The processes used in preparing these materials involve special heat treatments, which must be determined by trial and error, since no complete explanation for their behavior has yet been offered.

Due to lack of time, a paper on "Fourier Series Analysis" by George E. Frost was not presented.

At a short business meeting two men were elected as representatives to W.S.E. They are James Rummell and Ben Cole.

Plans are now definite for an A.I.E.E. smoker to be held in the Student Union at 7:30 P.M. on Thursday, April 4. A full program has been worked out, and all members of the society are looking forward to the event.

## Kane, Rosenberger In Guest Lectures

This evening at six thirty, the second in a series of guest lectures, "Measuring and Control Instruments," will be presented to the classes of Professors Thompson and McCormack.

"Flow Meters and Control and Recording of Flow" will be the subject of this lecture. Two speakers will be introduced, Gordon Kane of the Rotometer Company who will speak on "The Rotometer and Its Applications" and A. J. Rosenberger of the Republic Flow Meters Co., who will discuss "The Measurement of Steam Flow."

This series presenting lectures about once in every two weeks, is part of two courses on instruments given by Messrs. Thompson and McCormack. The sessions are open to all persons who are interested. The first lecture was given last Tuesday by Mr. Frost of Leeds and Northrup Company on "Automatic Temperature Control."

## Senior Electricals Make Power Study On Inspection Trip

Last Tuesday, in their series of weekly inspection trips the senior electricals visited the Field Building located in Chicago's loop. The trip, under the guidance of Professor Ernest H. Freeman, was conducted through the courtesy of Commonwealth Edison Company and the Field estate. With few exceptions the entire class was present and all appeared to greatly enjoy the trip.

### First In Power

A 45-story structure, the Field Building was the first building in Chicago to be supplied with an electric power of 12,000 volts. This large amount of power is generated by four transformer sub-stations, the largest of which was inspected by the Armour men. Much of this electric power is used to run the air-conditioning and elevator systems. Both systems employ the most modern equipment and machinery in the world. In the air-conditioning unit, the air is carefully washed, dehumidified and made dust-free before being circulated throughout the building.

This week, the group will visit the General Electric X-Ray Plant, where x-ray units are made for both medical and industrial uses. Among other things the men hope to see a million volt x-ray machine. The purpose of these trips, as explained by Professor Freeman, is to give the Armour students an idea as to what the electrical engineer is expected to do in industry and to show first-hand practical applications of the knowledge they have learned in four years at school.

## Library Joins Association to List Magazines

A new service is being added to the many aids offered by our Armour Library. The library is now one of 200 American and Canadian contributors to the "Union List of Serials."

All the periodical reviews found in these libraries are listed in this publication. For each serial, the libraries having copies are entered, with individual statements as to the holdings of each contributor. The staff, directed by Miss Steele, is going through the Armour periodicals and checking the edition of the list in sections. As each section is completed, it is sent in to the Library of Congress Committee editing the work. To date, Miss Neal, assistant librarian, has done most of the work. The Union List of Serials is indispensable to any American library in which references to periodicals are constantly sought.

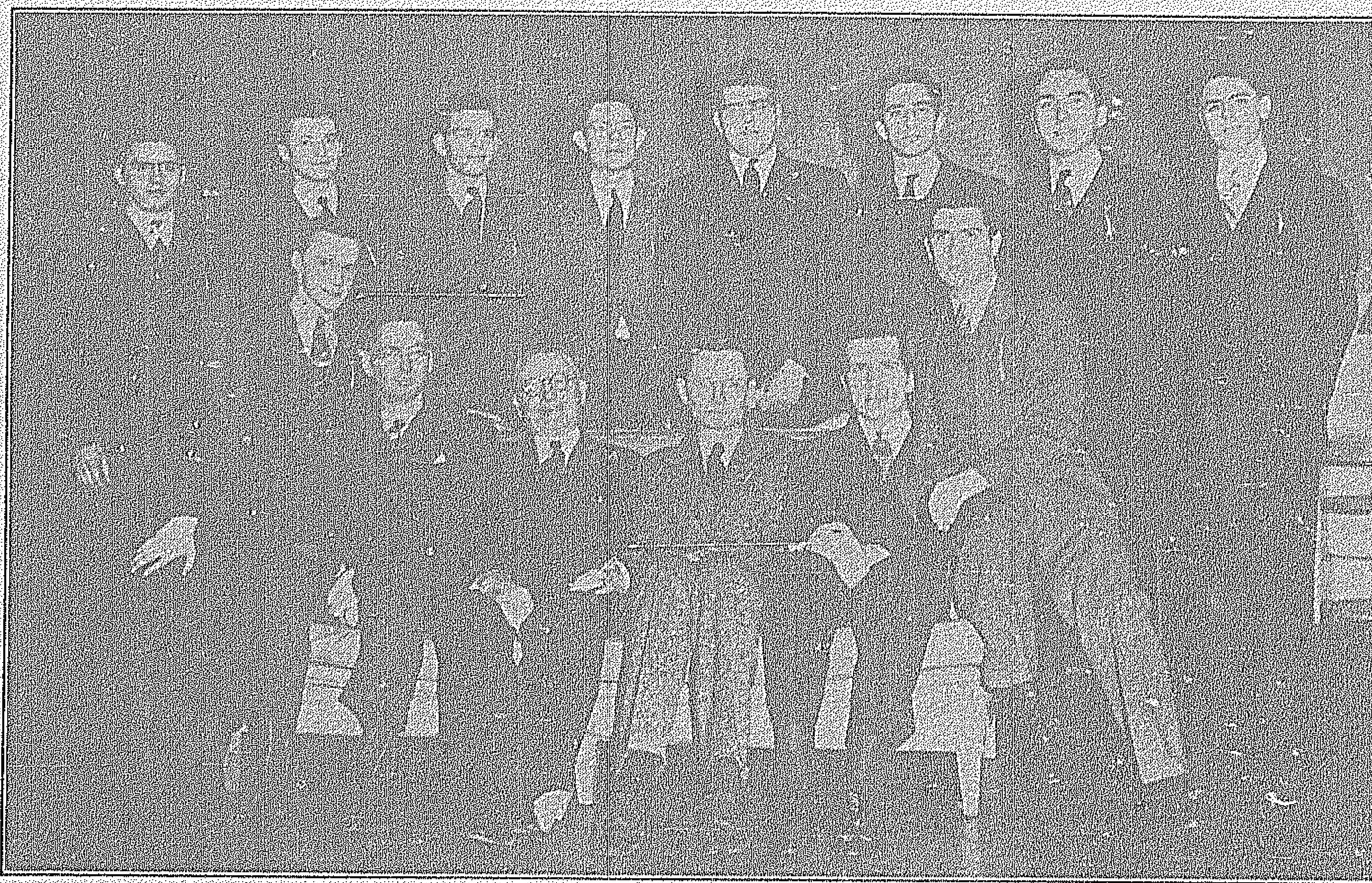
Further expansion has been made by the complete revision and renewal of the file of trade catalogs. Because since many companies have gone out of existence in the last few years, the files had to be checked for discarded names. Since Dec. 1, about 1000 requests have been mailed and as a result, several new catalogs are being received daily. Because of the large number of new catalogs, it has become necessary to add three new files to the library equipment. These trade catalogs will be a source of much valuable information to students and faculty.

## Thordarson Electric Gives Transformer To Electrical Dept.

Last week the Armour Institute Department of Electrical Engineering received 150 assorted samples of power, output, and audio transformers, a gift from the Thordarson Electric Manufacturing Co.

H. J. Hubenthal of Thordarson contacted Professor Sear and arranged for the delivery of the transformers, which are mostly of the power type. They will be very useful in the Electrical Laboratory, and also in the Radio Lab for power supplies, making it possible to run the radio experiments by merely plugging in on the A. C. line. Most of the transformers to be used are of low voltage.

The Electrical Department wishes to express its appreciation for this generous effort on the part of the Thordarson Manufacturing Co.



Photograph of thirteen of the fifteen Armour men pledged to the Beta Chapter of Tau Beta Pi during the general assembly last Friday. Two of the pledges, Frank Heidenreich and Robert Mead, were not present for the picture.

### TAU BETA PI—

(Continued from page one)

he comes in contact because of the qualifications necessary for its acquirement. The pledges were then presented with their pins by senior Tau Beta Pi members of their respective departments.

### Civics Honored

The members of the civil engineering department honored were Donald Mackey, senior, president of the W.S.E., member of Chi Epsilon, manager of the golf team, member of the senior social committee, member of the A.S.C.E., and junior marshal for the civil engineering department; and LeRoy Goetz, junior, Transit editor of Chi Epsilon, member of the glee club, member of the A.S.C.E., student assistant in the civil engineering department, who spends 35 hours a week on outside employment. Also honored was a graduate student of the civil department, Clark Crawford, graduate of Duke University, graduate assistant in the civil engineering department, and manager of the Graduate Club.

### Coops Pledged

The pledges of the Co-op department were Peter Woods, fifth year, editor-in-chief of the *Armour Tech News*, member of the orchestra, member of the Sphinx, member of Pi Nu Epsilon, member of the Co-op Club, and member of the A.S.M.E.; Frank Heidenreich, fifth year, member of Pi Tau Sigma, member of the A.S.M.E., president of the Co-op Club, member and treasurer of Pi Kappa Phi, and a member of the interfraternity council; David Whittingham, fifth year, president of the B group of the Co-op Club, member of Pi Tau Sigma, member of the A.S.M.E., honor marshal for one year, and chairman of the Co-op Open House exhibit; Edward Hanuska, fourth year, member of the A.S.M.E., feature writer for the *Armour Tech News*, member of the Co-op Club, member of the Co-op Open House committee, and maintainer of a straight A average.

The chemical engineering department was represented by Henry Newman, senior, president of Phi Lambda Upsilon, member of Alpha Chi Sigma, member of the A.I.Ch.E., member of the W.S.E., honor marshal for two years, and a member of the interhonorary council; Constantine Kazmierowicz, senior, member of Phi Lambda Upsilon, member of Alpha Chi Sigma, member of the W.S.E., member of the A.I.Ch.E., member of the varsity wrestling squad, who has earned 100% of his school expenses; Robert Mead, junior, member of the glee club, copy editor of the *Armour Tech News*, member of Pi Lambda Upsilon, member of Alpha Chi Sigma, honor marshal for two years, and a student assistant in the registrar's office.

Pledges of the mechanical engineering department were John Catlin, senior, Treasurer of Pi Tau Sigma, member and secretary of the A.S.M.E., member of the W.S.E., member of the Athletic Club, and has earned 100% of his school expenses; and Leo Stollman, junior, member of Pi Tau Sigma, student assistant, member of the A.S.M.E., honor marshal for two years, and active in intramural athletics.

### Electricals Represented

The two members of the electrical engineering department were Alo-

## John Calkin Gives Second Grad Talk 'Space Dimensions'

"Spaces with Infinitely Many Dimensions" was the subject of the second lecture in the spring series of graduate school lectures. This lecture was delivered by Dr. John W. Calkin, Assistant Professor of Mathematics, in room 105 Chapin Hall on Friday, March 8th at 10:00 A.M.

Dr. Calkin pointed out that the word "space" has, in modern mathematics a very broad meaning and, in particular, that any class of entities within which a conceptually satisfactory notion of nearness is defined, is called a space. He then defined a wide category of classes which are spaces in this sense, and showed that both the plane and the three-dimensional space of Euclidean geometry occurred within this category, as well as the analogous spaces with any finite number of dimensions. There also appear certain spaces which could reasonably be said to have infinitely many dimensions. In conclusion, he noted certain applications of these ideas to problems in the field of differential and integral equations.

### ARMOUR EYE—

(Continued from page one)

ing last Friday, as a result, attendance at every fourth meeting, at least, is required of all members. A committee composed of George Raymond and Richard Eng was appointed to investigate miniature enlargers for the object of suggesting a new one which the club shall soon purchase.

### Rooms Redecorated

The rooms of the Armour Eye were completely redecorated last week under the direction of the vice-president Robert Zelin, and both dark-rooms are now in tip-top shape. Membership is open to all undergraduates in attendance at Armour, who, after serving a pledge period are admitted at secret initiation ceremonies.

ysius Veras, senior, president of the A.I.E.E., recording secretary of Eta Kappa Nu, member of the senior jewelry committee, member of the W.S.E., and has earned 60% of his college expenses; and George Frost, senior, vice-president of the W.S.E., secretary of the A.I.E.E., corresponding secretary for Eta Kappa Nu, Chairman of the senior cap and gown committee, member of the orchestra, and a member of Triangle social fraternity.

Fred DeMoney, junior of the fire protection engineering department, secretary of the A.T.S.A., Sports Editor of the *Armour Tech News*, manager of the swimming team, member of the F.P.E.S., member of the glee club, and timekeeper for N.Y.A. students, was also a pledge.

"All Sophomore and Junior students interested in serving as circulation and business assistants for the ARMOUR ENGINEER & ALUMNUS please come to the Public Relations Office, 43 West 33rd Street, and arrange for an interview."

## Tau Beta Head Here Thursday

Thursday night both the Armour chapter and the alumni organization of Tau Beta Pi, met for dinner at six thirty. This was followed by a meeting in the auditorium, during which pictures were shown illustrating the utility and service of the Coast Guard. Introduced by a brief history of the department, the pictures dealt with lifesaving and commerce-protecting activities and with the economy realized in saving the shipping as compared with the cost of operation. Surprisingly enough, the Coast Guard is operated by the United States Army.

### Spencer Talks

After the movies, the meeting was turned over to Dr. Charles Douglas Spencer, Chairman of the National Organization of Tau Beta Pi. Dr. Spencer was passing through Chicago on a quick trip East; but, fortunately, was able to stop long enough for this meeting. His talk dealt with national affairs in their present condition with special reference to Tau Beta Pi. He spoke of the history of the organization and some of its accomplishments throughout the years. Emphasis was given to loyalty, standards of membership and continued development.

Dr. Spencer is a retired engineer and possesses a great variety of experience in industry and research. Until recently he has occupied an important position in a prominent national industry. As a result of his wide background he has a broad perspective and was able to deliver a very inspiring address.

The Armour Chapter considers itself fortunate in having Dr. Spencer as a guest for the second time in a year and a half. His previous visit was in November, 1938.

## Research Cuts Machine Noise

Through the efforts of the Research Foundation at Armour Institute of Technology in the person of Dr. H. A. Leedy, the comptometer people, manufacturers of Comptometer calculating machines, were able to offer radical improvements in their new model which was placed on the market about four months ago. These advancements in design consisted of lowering the noise level of the machine; thus making for more efficient work in offices where calculating machines are in use. The laboratory model operated ten decibels quieter than the corresponding machine of the previous style. Quantitatively this means a ninety per cent noise energy reduction. Ten of these new and improved machines would be needed to make as much noise as one of the old style.

After a great deal of observation, the Research Department found that most of the noise was being transmitted through the frame because the internal mechanism was firmly anchored to it. As a remedy the machine was mounted on resilient supports which were in turn fastened to the frame.



By Michael Kunz

American Undersecretary of State Sumner Welles is now in Europe visiting the capitols of the belligerent nations involved in this, the second World War. The purpose of his visit, as announced by President Roosevelt, whom Mr. Welles is representing, is to confer with the governing officials of each nation in an endeavor to learn their respective viewpoints and to ascertain the minimum demands of each for a peaceful settlement.

President Roosevelt has twice before suggested that the Western Powers of Europe settle their differences around the conference table, but to no avail. With the opening of hostilities, the president again appealed to each nation, asking them to refrain from bombing civilians. The latter plea has apparently been adhered to thus far in the war. Observers in Washington have expressed the opinion that Mr. Welles' mission is the last effort of the president to bring about peace.

### Purpose Of Mission

As announced by the president at a press conference, the object of Mr. Welles' mission is to "sound out" the belligerents for such information that may lead to a peaceful settlement before the war unleashes its fury of death and destruction. All the experts believe that the chances of further peace negotiations are indeed very slim. However, recent episodes have taught us that experts can be wrong. Many prominent radio commentators on national and foreign events predicted in no uncertain terms that Germany would not invade Poland. The experts were wrong again when they declared that a military alliance between the Soviet Union and England was a foregone conclusion. Their ideas were based on the enmity existing between Nazism and Bolshevism. As a result of such happenings, it will be well for us to expect the unexpected.

Upon receiving notice of Mr. Welles coming visit, each of the belligerents and Premier Mussolini of Italy, the non-belligerent axis partner of Herr Hitler, expressed their willingness to cooperate in this latest peace effort of the President of the United States. The press of Great Britain devoted much comment and bestowed a good deal of praise upon the president, and declared the British government would gladly give any information that might assist in his efforts to end the war. But they added that there can be no peace with the present German Government, using the well known phrase, "Hitlerism must be abolished."

### Attitudes Different

In Germany the attitude of the national press was quite different as contrasted with that of England. The announced visit of Mr. Welles recalled the visit of Colonel House, President Wilson's peace emissary in the last world war, whose mission was similar to that of Mr. Welles. Colonel House, however, was not the neutral observer that his position required. He came back to the United States strongly advocating the cause of the Allies. His duty was only to listen to the terms for peace that might be considered by the warring nations, but instead he spoke openly in London of all he had heard in Berlin. Thus we see the underlying reason for the skepticism that manifested itself in German political circles when they learned of Mr. Welles' coming visit. German newspapers did assure the undersecretary of state of a welcome and polite reception, all unpleasant reminiscences of Colonel House notwithstanding.

### Ambassadors Not Pleased

American ambassadors, Joseph Kennedy and William Bulliet, to Great Britain and France respectively, were not so well pleased with the announcement of Mr. Welles' mission. They declared themselves capable of getting the information the president desired. But we have no ambassador to Germany, and Mr. Alexander Kirk, American charge d'affaires in Berlin, has no authority to receive the audience of Germany's foreign minister, Herr von Ribbentrop. If diplomatic relations between the United States and Germany were not severed, Mr. Welles' (Continued on page six)

## Pierpont Pays Price; Beware You Slackers!

There sat R. S. Van Pierpont Jr. mournfully contemplating a hunk of blueberry pie and a pot of tea. With his glassy eyes he was a tragic sight as I watched him. He had good reason to be sad. He moaned as he squeezed the lemon into the tea; he whimpered as he added 6 soupspoons full of sugar to it; he wept as he swallowed a forkful of pie. Alas, he had paid the price. Yes, and what a price to pay. It was almost unbearable to watch that dejected individual fiddle with that sharp knife. To those who wonder what may have caused this dejection, I will explain.

### Trouble Begins

Yesterday, this same lad was one of the happiest Techawks one would have wanted to see. Long about eleven in the morning yesterday his downfall began. A phone buzzed merrily in the Registrar's Office. Mr. Kelly answered. The voice on the other end of the wire happened to be R.S.V.P.'s Dad. "Would you mind finding Reginald?" was the innocent query. "Just a moment," was the reply. . . I am sorry sir, but I am unable to find Reginald." The other party answered "I wanted to ask Reggie if he wanted to use the Duessenberg and an extra \$25.00 allowance as I am going out of town this afternoon and will not return for a week. Since you cannot find him I'll take the car down to my garage and have it completely checked during the week. Thank you and good-by."

Was that all? you wonder . . . Five minutes later the phone jangled again. "Oh, Reginald Seronge Van Pierpont, Jr? No, I'm sorry we will be unable to locate him, Miss. What's that? Oh, you say that you wanted to know whether he would go with you to the Scrumptious, Unexcelled Leap Year Formal. The bids are \$8.00 and you foot the bill. I'm terribly sorry we cannot help you."

### No Luck

Yes, there he sat as he picked up the last crumb of pie between the forefingers of each hand and tenderly crammed it into his already bulging mug. Just then he broke down. Going over I scratched his back and patted his thick shaggy head with a book end. Just goes to show you fellows that you better turn in your program cards and be on the safe side.

## It's On With New; Stoopbrain Takes to Cycle

Deer Sally,

It haz ben sum tyme sinze I rote tew yew laste, but deer Sally, I hav ben thinking of yew offen. On account of pressing duties (not in a taylor shop) at skool, I haven't had much tyme. Exams hav gone and passed, I am now in my laste year at colledge, and I hav retired (the polite word for it) from the skool newspaper—the Armore Wrecked News (we got a gude feed owt of it at the end, anyway). I hav got owt my pedals and hav joined the cycle staff, whose slogan iz: "A Cycle built for yew."

Soshall activits hav reeched a new high at skool. We gave a musical klubs koncert on feb. 4 at an Indian reservashion nown az the Shawnee Kountry club, withe a brawl and beer (or wuz it tea—it seemed tew hav foam on it) bust, afterwards. A couple of weeks later we had the Suffermore danze thrown by the kluss of '42 in the Blue Boiler rume of a downtown hotel (on account on sesorship, I kan't menshion the Stevens name).

The most rescent bige soshall event wuz ovr Goodman theater koncert sumplac near Kitty Davis'. Boy, oh boy, wat an affare. O. G. Erienson, the conductor, up there punching transfers az the curtain whent up. The koncert began withe a jews harp quartette playing the symphony "Picking Shells At the Seashore, Nellie" (dediated, I gess, tew ovr librarian) and ended up withe O. G. singing "Get Owt of Townn—before it's tew late."

Wel, deer Sally, az the tramp sed tew the tourist, quote: Speaking of bathing in famous springs—I bathed in the spring of '86!"

Yures,

STOOPBRAIN BLISS

## SIDELINES—

(Continued from page five)

mission might not have been necessary.

Since Italy is not actually in the war we may wonder why Mr. Welles conferred at length with Signor Mussolini. It must be remembered that Italy occupies a strategic position in the Mediterranean and is hostile to France. Perhaps the assumption is that if the war should spread into the Balkans, Italy cannot remain neutral. Premier Mussolini's demands for Tunisia, Corsica, and a share in the operation and management of the Suez Canal might also have been discussed.

### Traveled Widely

To the time at which this is being written, Mr. Welles has been to Italy, Germany, and France. There has been much speculation in the press regarding the minimum terms for peace each belligerent outlined to Mr. Welles. All such reports are unfounded, since President Roosevelt and Secretary of State Cordell Hull are the only two persons to whom a report will be presented.

## BONNIE BAKER—

(Continued from page one)

suing from under a shy smile, died a shy death in the confines of the room, and springing to the rescue, the gallant Orrin, tendered his services as microphone, amplifier, and loudspeaker.

It was in Orange, Texas, in the year 1918, that old Sol first gazed upon Evelyn Nelson, alias Wee Bonnie Baker. Huston, however, soon became her habitat, and it was there in the school plays of De Salles Academy that the first sugary notes of Bonnie's voice crept forth across the footlights. With incredulity and amazement the world greeted her synopated whisper; but little did it know that the miracle of the vacuum tube and the acetate record would soon transport it into the top night spots of the nation to thrill the most blase of sophisticates, the most listless of hearts, and, oh yes, the Armour Tech lounge lizards.

### Rises To Fame

The shyness and intimacy of Bonnie's sensational warbling had its most startling effect with the resurrection of "Oh Johnny." It is officially estimated that this song has been rendered about 1,000 times a year, since Bonnie joined Orrin Tucker's outfit in California four years ago. Performing currently at the Empire Room in the Palmer House, Orrin and

Bonnie have drawn crowds not seen there since the regime of Veloz and Yolanda. Incidentally, the publicity of both these teams has been handled by Al Fuller, Palmer House's front man, who Orrin claims is primarily responsible for the phenomenal attention received by Bonnie and the orchestra.

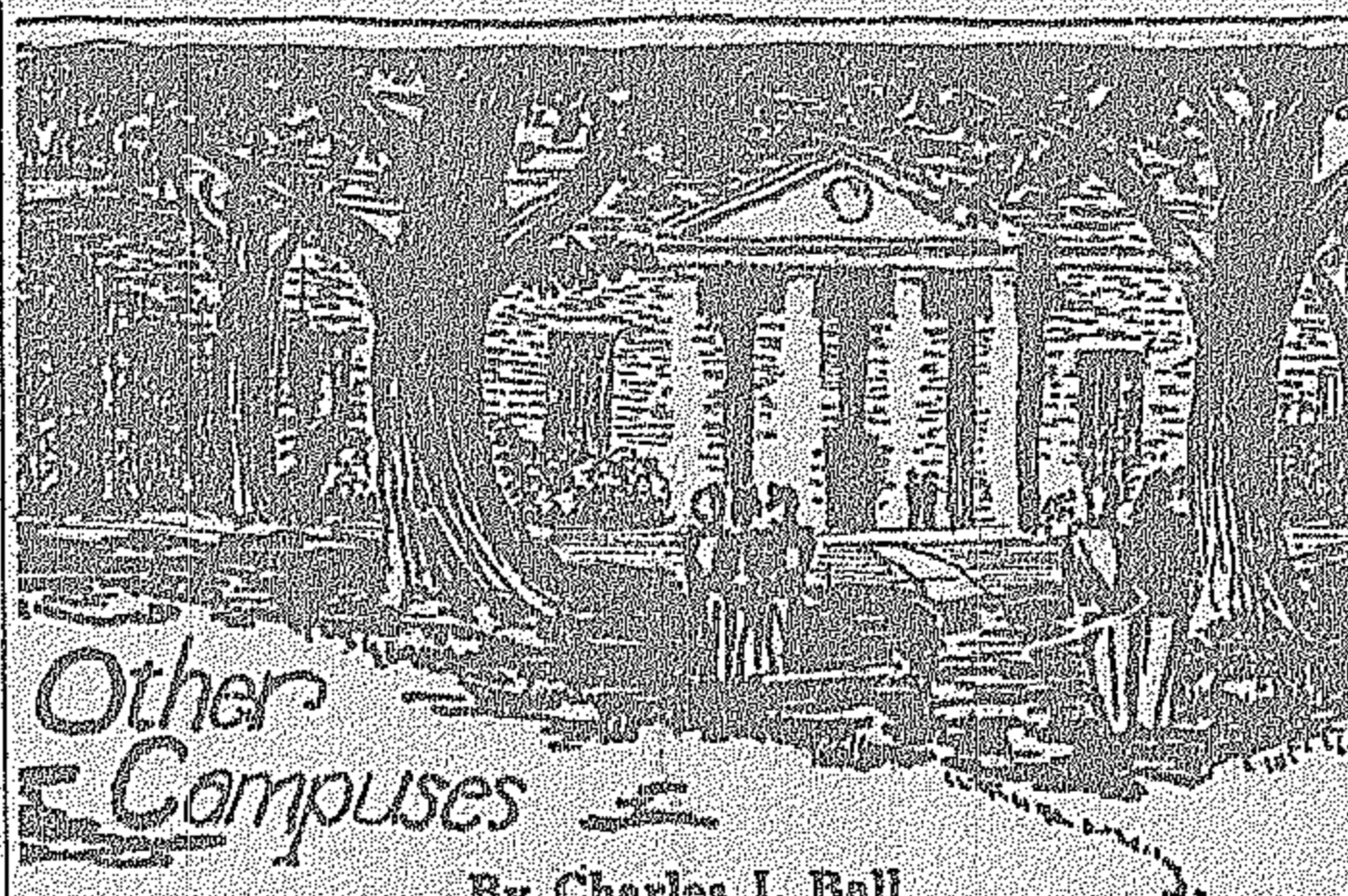
Feature occupant of the lighter side of Bonny's life is "Toby," her diminutive fox terrier. Toby's canine charms are the only object of Miss Baker's affections right now (so she says). When asked, however, why he assumed such a protecting attitude toward Bonny, Orrin peeked slyly at Bonny, and replied "That's all she'll let me take." The tittering of the sob-sisters in the audience didn't phase the Baker kid at all though, who smiled sweetly at one and all, and kicked Orrin caressingly in the teeth (wishful thinking).

### Long Hours

Eating ice-cream, according to Bonnie, occupies only a small part of her time; for, upon arising at 1 p.m., she spends 16 hours of each and every day rehearsing and performing. In addition to the Empire Room, the band plays for station WGN and for the Lucky Strike Hit Parade. Upon conclusion of their Palmer House engagement, plans include the week of the 29th at the Chicago Theater, a short stay at the Orpheum Theater in Minneapolis, and then an airplane dash to the Waldorf Astoria in New York. The thing that struck this reporter most forcibly during the interview was the curious lack of the much-played-up glamour in this dance band business. Performances, preparation for them, recordings, and publicity, take up so much time that there is not even time for dates. Orrin claims he's seen only one movie in 10 weeks. Which one? Why, "Gone With The Wind" of course.

### New Recording

Promised to be released this week is a new song featuring Bonnie and the "Bodyguards" entitled "Slh, The Baby's Asleep." In this record Bonnie and the Boys are reported to use a style differing from anything that they have done before. According to Robert Orrin, the problem of picking songs that will be popular with the nation's dancers is highly uncertain, and a tremendous amount of the band's time is occupied in mulling over a vast selection of songs, old and new, and analyzing them for adaptability to Bonnie's style of torching, "danceability," and possible popular-



## Other Campuses

By Charles I. Bail

It's the coeds who paid at the Leap-Year Dance of the Central Y. M. C. A. College of Chicago which also featured an all-girl band. The leap-year etiquette was an inspiration to the male species . . . the young lady bought her date a garden variety corsage . . . she checked his coat, scarf, and other garments . . . she stood aside to let him enter the door ahead of her . . . she also obligingly held his comb and wallet (!) throughout the evening. That last item requires full investigation.

Three former college presidents are featured among the Educators set of the Famous Americans' Series of postage stamps recently issued by the United States. These famous men of American education are Mark Hopkins of Williams College, Horace Mann of Antioch College, and Charles W. Eliot of Harvard.

Columbia Broadcasting System's American School of the Air is the largest in the world. Eight million boys and girls in over 200,000 classrooms attend through their radios every weekday in the school year.

Chalmer Hopper, senior at Kansas State Teacher's College, works his way through college by preaching. Besides carrying a full 17-hour course he preaches three sermons every Sunday along with funerals and weddings during the week.

No swimming at Swarthmore College! The swimming pool there is occupied by a porpoise which is being studied in the hope of finding out the process by which oxygen is supplied to the brain and tissues.

The South Dakota State College offers a summer course in botany at a camp in the Black Hills.

A complete date, including admission, refreshments, and taxi, can be had for less than 75¢ at Texas A. & M. dances.

Stout Institute, Menomine, Wisconsin, student opinions on their leap year week. . . Um—I'm just crazy about it . . . Oftener—three or four times a month. . . It gives the coed a chance to show her appreciation (for what?) . . . It's all right but the girls are too bashful.

"Jeebel" was selected by the student body of the Kansas State Teachers College as their favorite movie. "The Great Waltz" and "The Life of Emile Zola" were second and third choices.

A special course that deals with history of the middle west is given at Knox College.

## COOP NEWS—

(Continued from page two)

Ed Ruhe, 5A, illustrator, cartoonist, and (believe it or not) censor on these class cartoons, rates his training at Armour so highly that he trips into class even though the assembly is due to adjourn within five minutes. His right hand man, "Stooge" Wilms, is of the same mind.

Spring isn't here as yet and neither is the first robin, but Mike Larinoff swears the first mosquito drew blood from his precious hide last Tuesday in Chapin. It's quite possible, of course, that Mike mistook a pin for the pesty creature and someone's automobile horn for the too-familiar buzz.

"What form . . . what poise . . . what stance . . . what graceful movements . . . what a back hand"—that's what the co-ops are saying of Ralph Schmall, 5A, the ping pong artist.

The results of the basketball tournament to date indicate that seniority and superiority are somewhat associated. Hutchings and Heidenreich led the seniors to a 25 to 12 victory over the freshmen while the juniors, paced by "Pot Shot" Noyes, subdued the pre-juniors in a defensive game, 16 to 10. Bill Manstrom, 4A, suffered a sprained ankle in the game and will be lost to the class for the remainder of the season.

Last week "A" Sogin and "I-Got-One-Too" Woodbury, 2A's, were confronted with the problem of whether Sogin owed Woodbury two cents for milk or vice versa. After much figuring, Woodbury paid the two cents and Zimmerman collected 14 cents (one of the extraneous roots introduced).

The ping-pong tournament is taking its toll among the lower classes. Two games are already bitter memories for the losers. Co-ordination and skill proved too much for the soph team of Minter, McMacken, Woodbury, and Adams, which was crushed by the seniors: Parker, Olsen, Taylor, and Kosley. Likewise, the juniors, Gibrey, Boyer, and Stukile, fell before the strong senior third combination of Schmall, Olinger, Heidenreich, and Jones.

The other day while roll was being taken, Adams, 2A, informed Prof. McDonald that his seat was full and then the class informed Adams what to do about it.

Baby Sandy had better watch his step in economics. He is pledged to the Beta Omega Mu and Prof. Davey is one of the Actives.

"Speed Demon" Wittekindt, 2A, claims that he and his T-rusty '36 Ford are the answer to the problem of pursuing the Green Hornet.

Last week Prof. Potter encountered some of the difficulties of climbing when the "early bird" first row blocked the aisle to the back of room where the rest of the soph class was seated facing the side board.

From now on Croak, 2A, is an apple core eater. He has found this to be a sure way to cut his time in class exactly in half.

In answer to the question "What is the difference between an impulse and reaction turbine?" Prof. Perry received the following quotes:

"Percy Nigrelli: "Where are all my bowling pals?"

Hutchings: "I read it but it wasn't very clear to me."

"Percy Van Skyler" Ruhe: "In an impulse type of turbine the expansion and consequent pressure change occurs entirely within the nozzle, which directs the steam in jets against the rotating buckets."

Voice in the rear: "By McNaughton in 'Steam Power Plant Engineering.'"

# The Busiest Cigarette from Coast to Coast

## Miss Hazel Brooks

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They Satisfy... TODAY'S COOLER-SMOKING BETTER-TASTING... DEFINITELY Milder CIGARETTE