



ASSEMBLY GIVEN AS MEMORIAL TO ABRAHAM LINCOLN

Dr. Gilkey, of University Chapel, Addresses Students

CLASSES EXCUSED FRIDAY

The one hundred twenty-third anniversary of the birth of Abraham Lincoln was commemorated by an assembly of the student body on Thursday, February 11 at 10:30. An address on the characteristics of this great American was made by Dr. Charles W. Gilkey, dean of the University Chapel at the University of Chicago.

The orchestra, under the direction of George Rezac, '29, opened the program with "Credo," a stirring march and followed up with "Sunny South," a medley of popular southern airs.

Dean Penn then called upon Dr. Scherger, who introduced Dr. Gilkey. This noted ecclesiastical dean of our nearby university delivered an address, which occupied about thirty minutes.

Had Little Originality

There is little original that can be said about Abraham Lincoln although there are certain aspects in his character which can be stressed more than they have been. John Drinkwater's famous play pictures Lincoln as having an ideal character early in his life instead of showing the true development that continued to his death.

The great emancipator was not much different than most of us, but he became great not because of any boyhood advantages, but because of the difficulties he had to overcome. He had many business failures but did not accept initial failure as final.

Lincoln's Will Firm

Lincoln had a will which set slowly, but once set it remained firm. He had that rare ability of recognizing his faults and handicaps and working hard to remedy them.

Besides a wonderful sensitiveness of human nature as revealed in numerous anecdotes in his life, Abraham Lincoln had a keen sensitiveness of ethics. He believed that that which is wrong should be done away with although he did not believe in employing radical measures. He adopted this policy in regard to slavery and would have abolished the evil by the government's purchase of slaves over a period of forty years. It seems that Lincoln had a divine high purpose which directed his course.

What slavery was to Abraham Lincoln in his day, the institution of war is to the people today. There are pacifists and war radicals, but only a conservative plan covering a generation or two will be able to remove this evil.

Dr. Gilkey Honored

With this suggested solution of an impending problem adopted from the policies of the great emancipator as a conclusion, Dr. Gilkey was given a rising vote of thanks for his address.

The orchestra then played the "Washington Post March" and the "Armour Fight Song", which was heartily sung by the students present.

Next Friday, Feb. 19, at the same hour another assembly will be held to celebrate the two-hundredth anniversary of the birth of George Washington. Dr. Scherger will be the principal speaker at this occasion.

JUNIORS HOLD MEETING

A junior class meeting was held last Friday in Science Hall at 11:30. When president Joseph Fernbach called the meeting to order, the large group of juniors present subsided into silence with a surprising amount of attention. Fernbach addressed the class and introduced Harold Bodinson, chairman of the social committee, who spoke on the coming dance.

Plans were made for the interclass track meet. A manager was appointed, and the meeting was adjourned.

Dramatic Club Meeting Friday

The "Armour Players," formerly the Armour Tech Dramatic Club, will hold a meeting this afternoon at 5 o'clock in the Physics Lecture Room. The reading committee has selected a one act play, the casting of which will start today at the meeting.

At the last meeting, held two weeks ago, about twenty men were present, with Harold Monger presiding, and E. W. Carlton acting as temporary secretary. A play reading committee consisting of C. P. Kuffel, H. Monger, A. D. Burnett, and Professor Hendricks as advisor, was appointed.

Tickets for "Right You Are" now at the Goodman Theatre, were secured, and the members attended the performances on various nights last week. The players are students at the Goodman Dramatic Arts School studying for professional careers.

Monger has also attended a number of one act plays at the Hull House, where a group similar to the Armour Players performs. The other members of the club could not attend these presentations because of examinations that week.

The club has decided that three one act plays will be presented rather than one longer play as was originally planned. This will not only give an opportunity for each man to play a part but will also provide a program with more variety.

Terrific Gale Rips Shingles Off Roof

It was the general consensus of opinion in academic circles at the institute last Thursday that something was in the air. The casual observer was prone to say that the objects were mostly shingles coming from the roof of the Main Building. A roaring wind dislodged several pieces of roofing slate which were then tossed about until they landed on either the ground or else in someone's auto top.

Many students going about their routine trips across the campus experienced what Garr Williams calls "The Minute That Seems Like a Year" as they tried to keep their skull from acting as a backstop for a stray shingle gliding gently toward the ground. However, there were no casualties although there was a slight boom in the auto top patching business as a result of the fact that few of the fellows are listed as being possessors of an armored car.

Although part of the sidewalk in front of the main building was fenced off, the danger area was pretty large and it was indeed a fortunate thing that none were hit.

This wind was practically a gale and one of the most severe that we have experienced in recent years.

Lower Classmen Are Planning Joint Dance

A meeting of the freshman class was held Wednesday, January 27. The gathering was well attended by one hundred class members.

Glenn F. Graham of the sophomore social committee invited the freshmen to hold their dance together with the sophomores next spring. This move was suggested by the dean's office because of present financial conditions.

The meeting was brought to a close by the novel method of all joining in an Armour Locomotive.

ALLISON VISITS PEORIA

G. S. Allison, treasurer of the Institute, recently made a trip to Peoria to attend a meeting of the College and University Business Officers Association of Illinois.

Mr. Allison, who has been president of this organization for the last five years, presided over the meeting, which was very well attended. The general discussion dealt with the present and future finances of the various institutions of learning. The annual election of officers also took place. Mr. Allison declined to become a candidate for reelection.

JUNIOR DANCE



News Meeting Is Held This Week

There will be a meeting of the entire editorial department of the *Armour Tech News* tonight, February 16, at 5 o'clock. All members of the *News* staff are expected to be present in the *News* office for this meeting.

At this time, all candidates for positions on the editorial staff of the *News* are asked to turn out. Positions on the staff are awarded on the basis of the ability and efforts of the men. Anyone, who is earnestly interested in the work of the paper, should not fail to attend this meeting in our office tonight.

On Wednesday, February 17, at 12:20 o'clock, there will be a meeting of the managing board together with the copy editor, feature editor, and news editor.

Group Pictures Taken Wednesday

Group pictures for the Cycle will be taken tomorrow, Wednesday, February 17, in the gymnasium. Students will be dismissed from classes only during the time their pictures are being taken. The schedule for the pictures is:

- 9:00 A. M. Junior Class.
- 9:35 A. M. Sophomore Class.
- 10:10 A. M. Freshman Class.
- 10:50 A. M. A. S. M. E.
- 11:15 A. M. A. I. Ch. E.
- 11:35 A. M. W. S. E.
- 11:55 A. M. A. I. E. E.
- 12:15 A. M. A. C. S.
- 1:30 P. M. F. P. E. S.
- 1:50 P. M. Wearers of the "A".
- 2:00 P. M. Honor "A".
- 2:10 P. M. Board of Athletic Control.
- 2:20 P. M. Junior Basketball Team (in uniform).
- 2:28 P. M. Sophomore Baseball Team.
- 2:35 P. M. Salamander.
- 2:40 P. M. Stray Greeks.
- 2:45 P. M. Senior Social Committee.
- 2:50 P. M. Freshman Basketball Team (in uniform).
- 3:00 P. M. Band.

Students should be prompt, as any delay will throw the whole schedule off. There are many who have not yet returned their proofs to the photographer. If these proofs are dropped in the Cycle box in the hall of the Main Building, it will be satisfactory.

Electrical Honorary Initiates Seven Men

A formal initiation was held by the Delta Chapter of Eta Kappa Nu last Wednesday morning in the chapter rooms.

- The men initiated were:
- H. F. Abendroth '32.
- W. C. Breh '32.
- J. W. Juvinal '33.
- P. H. Korrell '32.
- J. A. Meuret '32.
- H. W. Richter '32.
- R. F. Rychlik '33.

After the initiation a meeting was held to approve of the petition of Omega Chapter at Oklahoma Agricultural and Mechanical College, to initiate Phillip Stowe Donnell, the dean of the School of Engineering, as an honorary member.

Institute President Stricken by Illness

Dr. Raymond, the president, will be absent from his usual duties at school during the next few weeks because of illness. Although he is convalescing satisfactorily, he must have absolute rest and freedom from worry.

It is hoped that this regimen will result in his complete and speedy recovery.

CALENDAR

- Tuesday, February 16**
- 5:00 P. M. Orchestra practice in Assembly Hall.
- 7:30 P. M. Track — triangular meet at U. of C., Armour, University of Chicago 2nd team, and La Grange.
- Wednesday, February 17**
- 7:00 P. M. Basketball, Armour versus Crane
- Thursday, February 18**
- 4:00 P. M. Boxing, Valparaiso versus Armour in Armour Gym.
- Friday, February 19**
- 4:30 P. M. Basketball, Armour versus Augustana at 8th Regiment Armour.
- 5:00 P. M. Band trials in Assembly Hall.
- 8:00 P. M. American Chemical Society meeting at Midland Club.

JUNIOR INFORMAL PROSPECTS INDICATE LARGE ATTENDANCE AND GALA OCCASION, FRIDAY

Cass Simpson's Band of Harlem to Entertain In Luxurious Oriental Room Of Knickerbocker

BIDS AVAILABLE FROM SOCIAL COMMITTEE

Constitution for Stamp Society Is Under Formation

Work was again resumed on the constitution of the Armour Tech Philatelic Society at a philatelic meeting held last night in the Electrical Lecture Room from five to six o'clock. The writing of this document was started at a meeting held on January 25.

One of the aims of the society is to make anyone connected with the Armour Institute eligible for membership. That is, not only should day school students be members, but faculty members, alumni, and night school students should also be allowed the privileges of membership.

It was decided to meet again on Monday evening, February 29.

Teach Gives History

Constitution writing was not the only business of the evening, for stamps entered in for their share of the discussion. It was announced that a semi-official cancellation would be applied at Mount Vernon on February 22 to any envelope bearing one of the new George Washington stamps.

Professor Teach gave a short talk on stamp collecting. He told how stamps were first introduced in 1840, and how, before they were a year old, philately had sprung into existence. It seems that at that time governmental authorities could not see why anyone should attempt to save their franking labels. In fact, they viewed the whole thing with extreme suspicion and even today a non-collector cannot see why there should be any enjoyment contained in rows of stamps.

Minute Details Shown

These governmental officials, non-collectors, and other sceptics forget, though, that philately is a fascinating pastime. They forget that stamps cannot be collected intelligently without noting minute details of color, printing, design nor can they be filed away without a good knowledge of history and geography. Stamp collecting teaches neatness, requires little room, and is a sound investment.

Professor Teach concluded by saying that as a form of investment, stamps have no rival. Items worth a few cents today may be worth hundreds of dollars tomorrow.

Armour Grads Place Well in Competition

In a recent contest among Cook County Architects in the "Masonite House" competition, a number of Armour alumni upheld the honor of their Alma Mater.

A committee selected by the president of the Chicago Chapter of the American Institute of Architects made its selections from a group of sixty-nine.

Frazer and Raftery of 664 North Michigan Avenue, won the first award of \$600. Mr. Raftery is a former teacher at the Institute.

Connors and O'Conner, 540 North Michigan Avenue, both graduates of Armour, won the second award, while Marks of Boston Tech won the third place.

Honorable mention was given to E. Fuhrer '23, A. H. Bacci '26, L. Leibel '21, H. E. Turk '29, and N. J. Schlossman '21, all graduates of Armour.

The subject of the competition was the design of a five room residence to be built on the grounds of the Century of Progress exposition in 1933.

Every fact seems to indicate that the junior informal will be one of the greatest social successes ever planned at the Institute. As well as the combination of hall and orchestra, several other things collaborate to insure a large attendance and a care-free crowd.

The dance is to be this Friday, February 19. The Monday following is Washington's Birthday, a holiday. This will leave a good many men who don't attend the dances, without their time worn alibi: "I can't go because I have too much homework."

Chaperons for Dance

It is with pleasure that we announce the selection of the following patrons and patronesses:

- Dr. and Mrs. H. M. Raymond.
- Dean and Mrs. J. C. Penn
- Professor and Mrs. H. T. Heald.
- Mr. and Mrs. G. S. Allison.

The social committee has been fortunate in securing the Oriental Room of the Knickerbocker hotel. Several Armour affairs have been held there in the past, and anyone who has attended will be enthusiastic to give information about the splendid decorations and the illuminated glass dance floor. There are luxurious lounges for those who wish to relax between numbers, or "sit this one out."

The Knickerbocker is the building just south of the Drake at 63 E. Walton Place. Adequate parking space is provided, and if you don't roll your own there is plenty of transportation from both the north and south sides. This dance demands your attendance even though you had to walk to get to the hotel.

Have Popular Band

The services of Cass Simpson and his ten piece band from Harlem have been obtained through the R. K. O. circuit. Colored orchestras of the popularity of Cass Simpson have proven very popular this season and the members of the committee feel themselves lucky to have a band of such recognized merit. Cass Simpson will soon appear on the stage of some of Chicago's leading theatres.

Ultra modern bids have made their appearance around school, and are selling rapidly. This is partly because no advance in price has been made due to the special features of this "tripping of the light fantastic." Bids are still \$2.50.

Programs will be unique in design. Harold Bodinson, chairman of the social committee promises that they will be "something different."

Bids Going Fast

The dance is but three days away so call up the girl friends now and make that date. Bids may be obtained from any of the following men:

- Harold Bodinson.
- Arthur Oberbeck.
- Jack Peckham.
- William Lange.

If you don't know these men, some member of your class will sell you a bid.

Professor Clifford Makes Vacation Trip

Professor Clifford, of the electrical department, spent the holiday between semesters by visiting his daughter and son.

He first visited his daughter in a small village forty miles from Denver, Colorado, leaving Chicago on Thursday, January 28, and arriving at her home Saturday, January 30.

After a four day stay, Professor Clifford left for his son's home in Bartlesville, Oklahoma. His son is an oil geologist for the Indian Territory Illuminating Company.

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'Tis our true policy to steer clear of permanent alliances with any portion of the foreign world.
—George Washington.

Grades

The semi-annual grades, ostensibly an indication of the excellence with which our academic pursuits during the past semester have been mastered, have just been issued. Among some, there seems to be a tendency to over-emphasize the value of these marks, and it is well at this time that some comment be made on their relative worth and importance.

If your grades were good, it is quite fitting and proper that you feel, in some degree, the sense of inner satisfaction which accompanies the completion of a task well done. But it must be remembered that, at best, grades can be only a superficial estimate of the opinion which the instructor has made of your ability, of your earnest and sincere efforts, and of your actual accomplishments. It is impossible for a professor to make an infallible statement concerning the quality of the student's work when he has been with him only a few hours a week during the semester. In every class, it is inevitable that gross errors will be made in marking a large percentage of its members. Quizzes can cover but little of the material given in the course, oral recitations can cover even less, the instructor's first impression may be entirely wrong, and in general the basis upon which grades are determined is very limited.

These considerations should make it evident that too much emphasis should not be put on grades. Anyone who boasts of a long list of "A's," and thinks he can use his report as a permanent pass to future success is sadly mistaken. On the other hand, poor grades may have a tendency to dishearten certain students, and it is in this capacity that our system of marking is actually harmful. The result of the mental anxiety which a low grade produces is too often that the succeeding work of the student is appreciably impaired. Whether he has not mastered the work and has received a good grade, or whether he does know the subject and has received a poor grade, in the ultimate analysis, the student himself is the judge as to his accomplishments, and if he is genuinely satisfied, his grade is of little consequence.

While it seems to be out of the question for the American system of marking to be abolished in the immediate future, still an intelligent consideration of its intrinsic worth may serve to filter out the undesirable features and to permit the maximum benefit to be derived from it. If it is an incentive to encourage the student to higher achievement, then its one and only purpose has been realized. But if it is instrumental in creating either an inferiority or a superiority complex, then it were better that it had never been originated.

J. W. J.

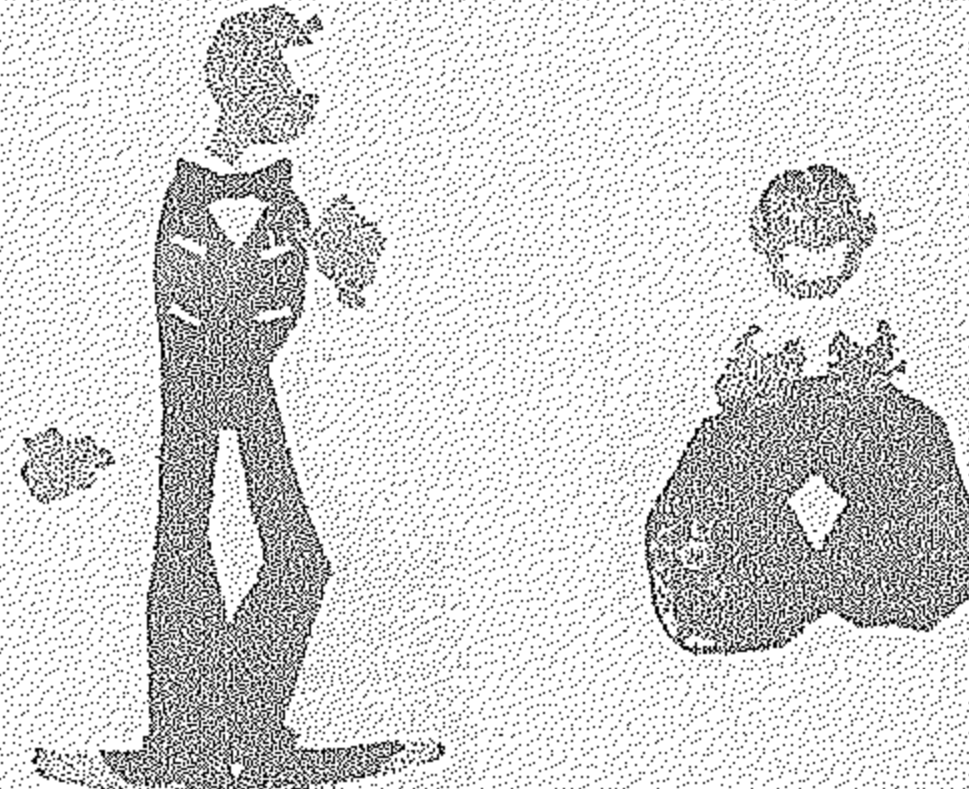
"The Slipstick"

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

THE WEAKLY JOKE EDITION!!

Inspirational and otherwise OPPORTUNITY

The sound of a rap upon my door
Came drifting in to me,
I called out, asking who was there.
'Twas Opportunity!!
Bad luck for me, he chose this time
When I was unprepared.
Gladly I would have opened the door
If only I had dared.
I cursed myself for my bad luck.
Can you blame me for my wrath?
Opportunity at my door,
And I was at my bath.



Heard in the Neighborhood

First Caddy: "Listen here, Midnight, your man may win but my boss is richer than yours because he lights his cigars with five dollar bills."
Second ditto: That's nothing, Total Eclipse, my boss washes his feet with Gold Dust."

Wanted, Miscellaneous

A gentleman who has lost his right leg is desirous of making the acquaintance of one who has lost his left, in order to become associated with him in the purchase of boots, size 10, and arch supports, size AA. Call Blahblah 79797979.

Our Food Dept.

Kills Bros. Coffee is filled with a special vacuum which is non-absorbent, non-corrosive, non-sublimating, and non-coffee making. A trial will convince you (that you are getting gypped.)
Our food expert recommends as the food of the week a batch of Cheops Hooley. Ever try it?

Poetry Corner

A BALLAD OF YE HOCKEY TEEME or Dame Nature's Revenge

The Hockey Team sat 'round the stove—
There wasn't any fire.
Outside the sun shone up above
As if he'd never tire.

The flowers bloomed and the birdies sang
Oh strange trick of Fate!
Would e'er the schedule be played out?
'Twas now past two months late.

Then lo! the papers did announce
A bitter frost was due.
At last it seemed the time had come
To raise the victory hue.

The Hockey Team sat 'round the stove—
They shivered in the fire
The snow was falling, 'twas six feet deep,
'Twas mounting six feet higher.

Medical and Health Advice

Patient: "The size of your bill makes my blood boil."
Doc: "Then, sir, there will be an additional charge of fifteen dollars for sterilizing your system."
(Editor's note—You have no kick coming. My doctor told me to cut out eating so much. When he sent me his bill I knew I wasn't going to eat so much for the next six months.)

Corrections, etc.

"In this world nothing is certain but death and taxes," remarked old Benjamin Franklin in 1789.
"He probably meant death by taxis."

Chemistry Corner

Lind: "Did you hear about Pete? He drank some sulfuric acid by mistake."
Rossing: "Hurt him?"
Lind: "No, the only thing he noticed was that he put holes in his handkerchief every time he blew his nose."

And for this "Weakly Joke Edition" your editor wishes to offer his thanks to the following contributors: D. S. D., Numb de Plum, Joc, Rad, 35'er, "A Sophomore," as well as several anonymous persons and a host of principal character actors, prop men, and proof-readers.

Social News (Adv.)

"Wotcha doin' nex' Friday?"
"Hey? Wot's I doin'?"
"Yeh?"
"Yuh dumb kluck, yah egg, aintcha heard of the Junior Informal? Where do yuh suppose I'm goin'?"
THE BONGINEER.

REVIEWS

AMBER TO AMPERES
By Earnest Greenwood

Among current books which give popularized accounts of the development of sciences "Amber To Amperes" has received merited recognition as a history of electricity.

The book begins with a story of Thales, a Greek thinker who lived about 500 B. C., pondering over the mysterious force which attracted bits of thread and dust particles to amber. This invisible force along with the properties of lodestone were two of the widely discussed phenomena known to this Ancient. Not having any well developed science of measurement or the proper background of laboratory technique, Thales and his school were unable to do much more than ponder. 2000 years later, Dr. William Gilbert, court physician to Queen Elizabeth, wrote "De Magnete" in Latin, describing the various characteristics of magnetism. Having done some experimenting, his statements are for the most part acceptable to the modern physicist.

From the time of Gilbert to Marconi of our own day, the problem of bringing about the control of the forces of electricity were studied hardest. "Amber To Amperes" concerns itself with this epoch more than the preceding ones.

The work of Davy, Faraday, Edison, Bell, and Marconi receive the greatest attention. Their work lives, and contributions to science are given along with that particular glamour that colors the lives of genius.

The book is not technical except in the most elementary sense. However, it has its value to the engineering student. It traces a development parallel to that of science in social, economic, and even religious thought. The use of such

ARX NEWS

Mr. Ralph W. Hammet, formerly professor of History of Architecture, who left Armour last year to go to Michigan, paid us a visit last Wednesday.

The time for the Scarab initiation has rolled around again. George W. Terp, '32, Joseph Palma, '32, Ray Eckroth, '34, and Ted Irion, '34, were those initiated at a dinner given by the Scarab at the Delt house. Spencer Cone, '33, was also pledged during the evening.

Officers of the Scarab this year are: Alvin Wichser, president; Raymond Peterson, treasurer; and Donald Braun, secretary.

A new record has been set in the erection of the new Field Building. The steel for the first twenty-six stories of this building has been erected in the record-breaking time

seemingly foreign material is excusable because Mr. Greenwood has made a point of showing how such factors have retarded and advanced the fortunes of science.

For example, he cites that the council of Cleveland once declared . . . "God did not intend for man to ride at the sinful speed of 15 miles per hour." Nowadays it is difficult to see clearly how this conclusion was reached; no doubt the reasons were clear enough to our grandparents.

The author reaches inspired heights when he gives the stories of the processes by which these great inventions were created. He shows them to be the results of effort, combined "trial and error" and reasoning step by step. He gives an excellent and convincing debunking of the general impression that the scientific discoveries of the past were welcomed with two inch newspaper headlines.

of forty working days of eight hours each, which is equivalent to 320 hours. Normally almost twice this time is required. Exterior stone work has been completed up to the eighth floor, there being between 600 and 700 men employed daily since January 1st.

H. H. Bentley, Sophomore critic, was the author of the third article in a series of nine concerning household housing which is now appearing in the city newspapers. The articles are published under the auspices of the committee on public information of the Chicago Chapter of the American Institute of Architects.

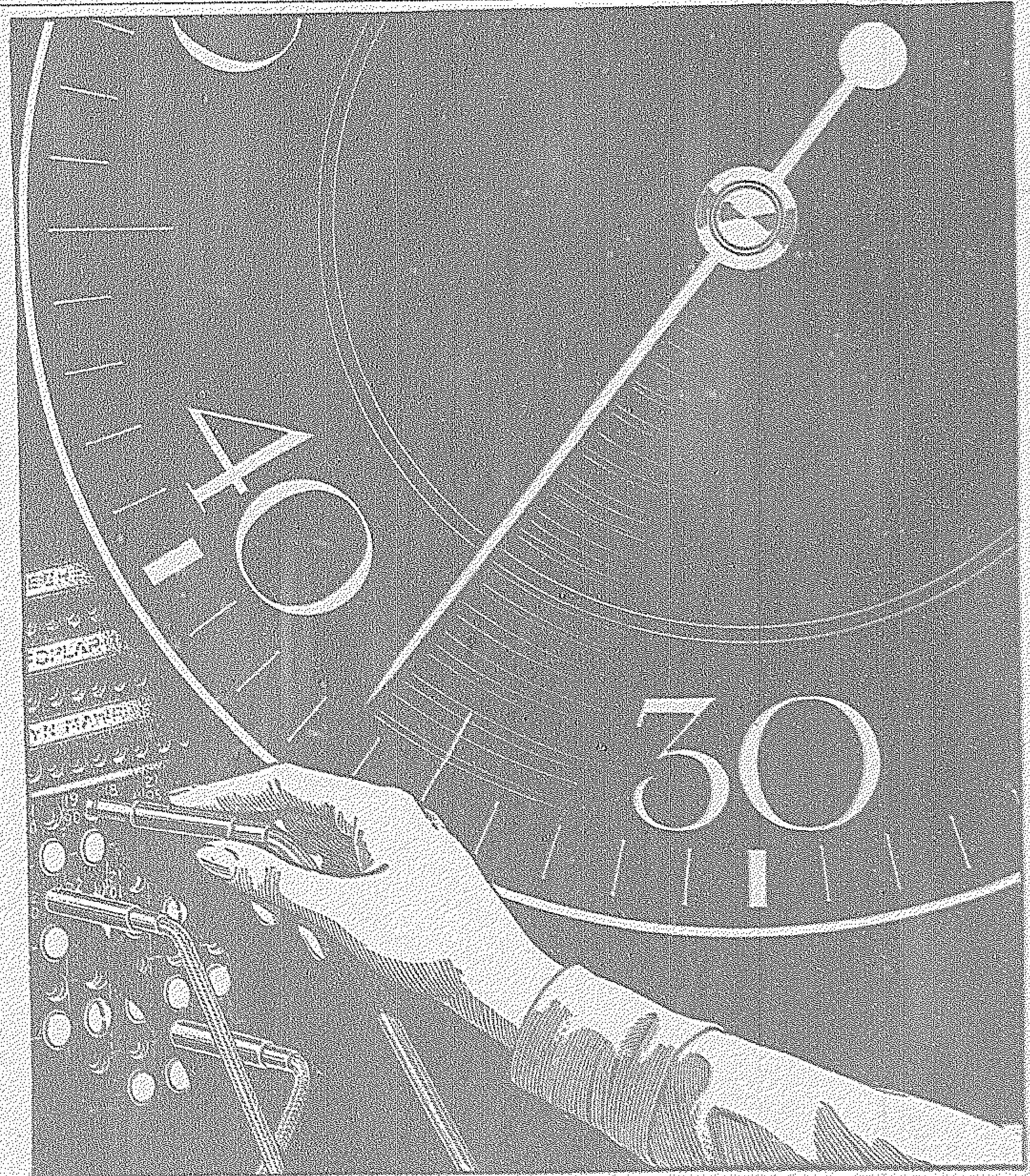
Mr. Bentley urged a new type of group housing. A plan that would blend the apartment dweller into community life. Under this plan, which is an adaption of the English "garden-city" type of grouped houses, small houses are attached to one another to form related groups, scientifically planned with regard to each other and to the open spaces surrounding them.

And while on the subject of English planning we might state that London's new building code provides that structures may rise to the height of 150 feet. The limit hitherto obtained was 100 feet, and but few edifices have exceeded eighty.

The third arches are on their way to judgment in New York. The boys could indulge in colorful presentations this year as the subject was a "Chinese Pagoda."

The local first mentions were A. Cole, C. Emiling, T. P. Luckett, R. Phlak, and M. Wise.

Braun and Palma are working industriously with their teams on the Collaborative Competition sponsored by the Association of the Alumni of the American Academy in Rome. The subject is, "An Entrance and Lobby of a Radio University."



Keeping ahead of the second hand

To keep telephone service in step with the swift pace of American life, Bell System men tackle many an absorbing problem, find many an ingenious solution.

For instance, they decided that precious seconds could be saved by a change in long-established operating routine. The operator used to repeat the number called by the subscriber—now she indicates that

she understands by saying, "Thank you." To appreciate the importance of the second thus saved, just multiply it by the 40,000,000 conversations handled by operators on the average day.

In the telephone business, major improvements that save the subscriber's time and give him better service often result from just such apparently minor changes.

BELL SYSTEM



A NATION-WIDE SYSTEM OF INTER-CONNECTING TELEPHONES

RIFLE TEAM WINS IN CLOSE MATCH AGAINST WESTRIC

On Wednesday, February 3, the Armour Tech Rifle Team met the team of the Westric Rifle Club, composed of employees of the Western Electric Company, defeating them on their own range by the score of 1059 to 1043. The teams consisted of six men apiece, each team member firing a string of ten shots prone and ten shots standing for the record scores; the aggregate of the prone scores for each team were exactly the same, Armour winning its 16 points lead in the standing position.

Firing was done through steel tubes, three feet in diameter, at a range of 75 feet, benches being provided for prone shooting. These tubes presented difficulties in that, with the eye of the shooter in its proper position with respect to the rear peep sight, the farthest end of the tube was smaller than the apparent size of the aperture, and it was practically impossible to accurately center the front sight in the rear sight aperture.

It may be noted that this defeat was the first that the Westric Club has suffered in a shoulder-to-shoulder match on their own range, the club having been in existence since 1919.

Due to the fact that mid-year examinations kept several of the team members busy, several matches were lost during the last week in January. The State Universities of Iowa and Ohio handed the Tech men two defeats, and Appleton Rifle Club, of Appleton, Wisconsin accounted for a third. In a postal match with the Stuyvesant Rifle Club of Stuyvesant, New York, the local sharpshooters won by a large margin.

With the coming semester it is expected that new members will give the Rifle Club more material for the team. A number of matches are scheduled for the near future.

The Armour Tech Rifle Team has maintained its lead up to the fourth week of the Tribune Trophy Shoot; and the men are thoroughly expecting to win the match as they did last year.

A. C. S. to Hold Meeting Friday

A meeting of the American Chemical Society will be held this Friday, February 19 at 8:00 P. M. at the Midland Club, 172 West Adams Street. Dr. S. P. Koch will be the main speaker of the evening, his subject being, "Biochemical Male Hormone Study."

Immediately following his lecture, the five groups of the Chicago section will retire to the committee rooms where short talks will be given by men connected with the various branches of chemistry.

In the inorganic and analytical group, J. B. Peterson, of the American Medical Association, will speak on "The Examination of Medicinals."

The organic group has M. B. Chittick, of the Pure Oil Company, as their main speaker. His topic will be "The Chemical Value of Gas-Produced in the Cracking Process." M. M. Austin, of the Fansteel Products Company, will discuss the properties of tungsten, molybdenum, and tantalum alloys for the physical chemistry group.

The biochemical group will hear T. E. Friedemann, of the University of Chicago, speak on "The Reactions of Aceto-Acetic Acid with Aldehydes and Sugars."

The group for chemical education will hear a debate on "Theoretical versus Pandemic Chemistry" with G. T. Franklin of Lane Technical High School and R. T. Summerbell of Northwestern University as debaters.

LOST AND FOUND

The following articles have been found and are being held in the Deans' Office:

One college algebra book.
Several small note books.
One slide rule.

A Duff's Physics and a Warner's Aerodynamics have been reported lost.

Articles found on the campus or in the buildings should be turned in at the Deans' Office immediately.

The Theatre

Rhapsody in Black, now playing at the Garrick, is a good, and very unusual, colored revue that has caught on surprisingly well, and seems set for a fairly good run. I doubt, therefore, if cut-rates will ever be issued for it. Incidentally, if you are waiting for two-for-ones on Al Jolson's wonderful show *Wonderbar*, or *Grand Hotel*, stop waiting.

Low Leslie, the producer of "Rhapsody", is to be commended for dealing sympathetically with the talent of a race of natural showmen and masters of rhythm, and for letting them be themselves, for the most part. An exception, however, is when they go high-hat and sing the Hebrew hymn, "Eli Eli" in Hebrew. That has its place, but "That's (not) Why Darkies Were Born", (by special permission of the copyright owner). Ethel Waters is unquestionably the greatest artist of her race since the late immortal Bert Williams. She is outstanding in her "Wash Tub Rubsody" (with real soap suds), in her Dance Hall Hostess number, and in "What's Keeping My Prince Charming" and "You Can't Stop Me From Loving You". When I saw it, she responded to a show-stop with "Am I Blue", and sang "Sleepy Time Down South" better than I've heard it before.

Only one stage setting is used, with Pike Davis' Continental Orchestra on a raised platform at the back of the stage. The orchestra and Cecil Mack's Choir do Gershwin's "Rhapsody in Blue" marvelously. Valaida revives the old favorite torch tune "St. James Infirmary" in a striking arrangement; she also conducts the orchestra part of the time. The dancing of the Berry brothers reveals why they are called "the berries". Altogether, I consider it the best colored musical I have ever seen; no small part of the credit goes to the brilliant orchestrations of modern music. It is as the program states, "A Symphony of Blue Notes and Black Rhythm".

That electric sign on the Oriental last week was ironical. The picture, "Manhattan Parade", was a weak attempt on the part of movie men to retaliate for the ribbing that *Once in a Lifetime* gave them.

Another factor that offsets the attempted propaganda is the number of big names in Public houses, such as Cantor and Jessel, Dennis King, and others. Cantor, at ten grand for the week, Jessel, Janet Reade, and the Three Rhythm Boys, were all from the record-breaking bill that ran for nine weeks at New York's Palace, the only straight, two-a-day vaudeville spot left in the country. Along with Frankie Masters, who replaced Benny Meroff's band, they gave a fine account of themselves.

When W. W. shouts *Oh—Kay! Los Angel-us*, he's not quite right; all is not quiet on the western front. When the milk-fed morals of L. A. were endangered by *Lysistrata*, which ran here for many weeks without undermining Chicago's civic virtue, they threw the cast, including Nance O'Neill, in the jug. The author, one

Cage Queries

Question 20. On a free throw, the ball misses the basket and backboard entirely. Can a basket be attempted?

Answer. If it is the first throw, and another is due, the ball is dead. If it is the last throw, the ball is out of bounds for the opponents.

Question 21. How long must either of the jumpers wait after a jump-ball before he can take the ball?

Answer. They must wait until the ball hits the floor or is touched by an opponent.

Question 22. In case of a disagreement between the two score-keepers how is the matter settled?

Answer. The ruling of the score-keeper for the home team is taken as the final score.

Question 23. On a jump-ball near the basket, one of the jumpers tips the ball into his basket. Does the basket count?

Answer. Yes.

Question 24. How long can the center, standing at the free throw line, hold the ball while waiting for a play to develop?

Answer. If his guarding opponent is within three feet of him, he is allowed to hold the ball for a count of five. If the play is not opposed, he can hold the ball as long as he pleases.

Musical Clubs Hold Tryouts This Week

Tryouts for the various Armour Musical clubs will be held this week. Rehearsals are held in the Assembly Hall at 5:00. The schedule for the various clubs is as follows:

Orchestra—Tuesday.
Stress and Strains—Wednesday.
Glee Clubs—Thursday
Band—Friday

Students, especially first and second year men, are urged to try out for some one of the clubs. Since student activities constitute an integral part of a well rounded college life, beginning students should become interested in some form of outside activity. In the five months already passed since the opening of the school year, first year students should have become well enough acclimated and readjusted to college life, so that they now can participate outside of the classroom.

Tryouts were held last week among the various clubs. Classification into various ranges of voice and instrument were made.

The Glee Club is open for new members, especially tenors. An abundance of bases cannot make up for this lack. Vague plans for future engagements may materialize so that the Glee Club will have a chance to extend its field of activity. Dr. Protheroe has obtained some new songs which are of high caliber.

Stresses and Strains, the Armour instrumental harmonizers, are also active and desire more members.

The orchestra, directed by G. E. Rezac, '29, entertained the Lincoln Day assembly, last Thursday, with several selections. Mr. Rezac was the orchestra leader several years ago, and has been assisting the organization in a directorial capacity for several weeks.

Greek, Aristophanes by name, could not be located, though the police searched every restaurant. As usual, an injunction was obtained, and the run was resumed. L. A. is a big city, but not grown up. Everyone knows it is the home of Aimee McPherson's ballyhoo, and of Mayor Porter, who refused to toast the President of France in champagne, and whose administration jailed an editor for printing the morning line on the big handicap at Caliente, across the border. They had better get more broad-minded, for they're in the limelight now, with the Olympic games next summer, and with shows like *Green Pastures*, *Three's a Crowd*, the *Follies*, *Vanities*, and *Crazy Quilt* in prospect, and a company of *Grand Hotel* already there. The previous theatrical diet out there has been mainly local, due to provincial prejudice in favor of home-grown pictures.

The extensive tours of the above shows also indicates the return of the road to the position of importance it deserves. Of late years, big productions have usually played only about ten big cities, mostly between New York and Chicago. This season, offerings like the above not only are touching dozens of other important cities, but even one night stands. Depression is proving to producers that the road must again be made the backbone of the stage if the legit is to survive, as it inevitably must.

—By Robert B. Tague.

Baseball practice has finally started. Prospective pitchers and catchers began practicing February tenth in the Armour gymnasium. On this date there were twelve pitchers and four catchers who came out and went through the process of gradually working their throwing arms back into shape for the coming baseball season.

In the middle of March all the candidates for infield positions and outfield positions will begin practicing in the gymnasium also. About April first the whole squad will start practicing on Ogden Field in preparation for their first game of the season which is scheduled for April eighth.

Because of the graduation last spring of so many regulars, the only veteran material Coach Krafft has to work with this spring consists of one outfielder, one infielder, two second-string pitchers, and two second-string catchers. There is, therefore, a need of new men to fill these vacancies left by graduation; and so, if you play baseball, come out and show "your stuff."

Coach Krafft Makes Call for Batterymen

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A.S.M.E. and A.I.Ch.E. Plan Joint Meeting

Two Armour organizations, the student branches of the A. S. M. E. and of the A. I. Ch. E., are planning a joint meeting at 10:30 on Friday morning, February 26.

Mr. Dedo, representing the Ethyl Gasoline Corporation, will be the speaker. His topic on anti-knock gasoline is one of interest to both chemically and mechanically inclined students.

Anti-knock gas is tested and standardized according to its anti knock qualities. An internal combustion engine with adjustable cylinders is used for this test. The engine is run with the fuel to be tested. The cylinders are adjusted, increasing the compression, until the critical point, or point where the fuel knocks, is reached. From this data, the relative merits of various anti knock fuels can be ascertained.

H. R. Davis, president of the A. S. M. E., extends an invitation to be present to anyone interested in the subject.

Pi Nu Epsilon Sees Opera Performance

Members of Pi Nu Epsilon, honorary musical fraternity, enjoyed the acme of Chicago's musical entertainment on Saturday evening, January 30, when they witnessed a presentation of the opera "Martha" by the Chicago Civic Opera Company.

This was the last night of the opera season, and nearly all members were present, including the honorary members, Dr. Raymond, Prof. Leigh, and Dr. Protheroe. The arrangements for the opera party were made by George Bonvallet.

S. A. E. Makes Motor Improvement Studies

Free wheeling, synchromesh transmissions, and other types of continuous or automatic change gears designed to do away with the noise and inconvenience of gear shifting have caused the Society of Automotive Engineers to begin the study of motor vehicle transmissions anew. Coupled with their desire to improve American cars, activity abroad, particularly in Germany and France, has accelerated this work. Inventions are coming from all parts of the country. Two engineers came from Texas last week with plans for a new device which they claim will eliminate the present gear shift box.

FRATERNITY NOTES

PHI KAPPA SIGMA

Phi Kappa Sigma takes great pleasure in announcing the pledging of George H. Grey, Ch. E. '34.

Probation week is in full swing. The pledges are accomplishing great deeds and many more are expected of them. They find that the time is passing swiftly and will genuinely regret the termination of this memorable week.

Friday evening, February 19th, a Tri-Chapter initiation of the three Chicagoand chapters, Upsilon, Northwestern University; Alpha Epsilon, Armour Institute; and Alpha Pi, University of Chicago, will be held at the Interfraternity Club. The Grand Officers of the Fraternity will be present. Officers of our chapter will officiate in the initiation ceremonies.

THETA XI

The officers for this semester are: W. E. Baumann—President.
W. T. Smethells—Treasurer.
C. A. Nelson—Secretary.
J. R. Pechman—Steward.
W. W. Tyler—House Manager.
R. L. Ellis—Corresponding Secretary.

The Alpha Gamma chapter of Theta Xi takes pleasure in announcing the pledging of William E. Wilson E. E. '35. He has just returned after a year's absence from school.

A dance was held on Saturday, February sixth for the brothers from town and those who remained here between semesters. A good time was had by all.

DELTA TAU DELTA

The results of the House election held last Tuesday night are as follows:

T. C. Peavey—President.
S. B. Cone—Vice President.
T. D. Luckett—Secretary.
W. H. Larson—Corresponding Secretary.

F. M. Gibian—Treasurer.

L. H. Streb—Sergeant at Arms. The House has had many visitors during the past few weeks, Ed Renier, Dick Lorenz, Les Gorder and Harry Prebensen being among those who attended last week's meeting. A number of alumni were present

STUDENTS REGISTERING

Evening school registration is not expected to continue for more than two weeks longer. Although registration started January 28, only four hundred students have enrolled to date. This number is approximately two-thirds of the registration up to a similar time last semester.

Dean Perry is urging all who expect to take mathematics to enroll as soon as possible. The evening school intends to reduce the number of classes by increasing the student load in the particular classes.

Two subjects have been dropped from the list, namely, Heating and Ventilation, and the Ground School Course in Aviation. The reason for discontinuing these courses is that the demand for them was decreased considerably.

at a Radio Dance held February second.

Sandy Richards of Gamma Psi, Georgia Tech, is living at the House while in Chicago on business.

Fred Lowry, ex-'34, dropped in from Cedar Rapids to say hello and stayed three days.

SIGMA KAPPA DELTA

A great amount of activity could be seen at the Sigma Kappa Delta fraternity house during the past week.

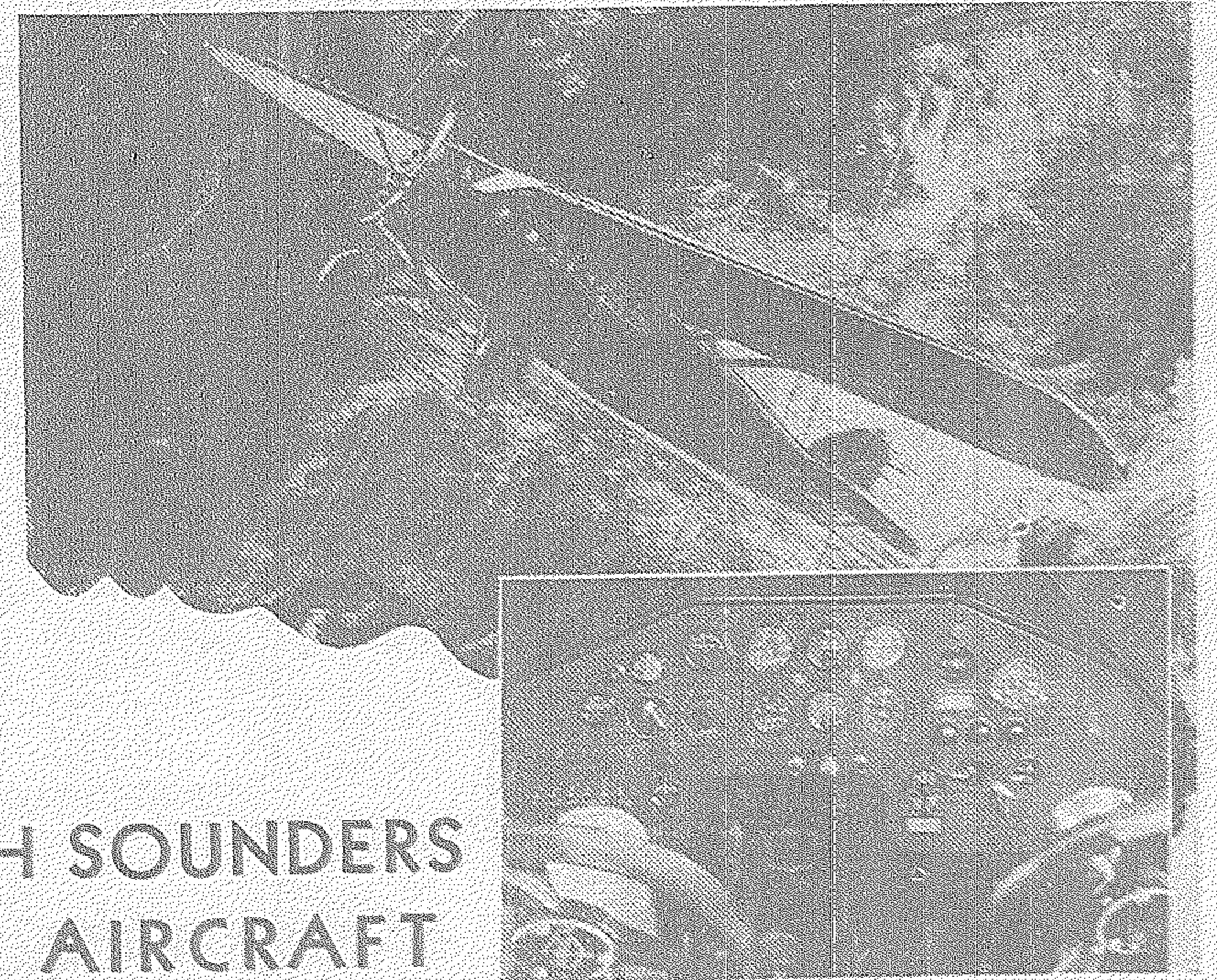
A Pledge Dance on Saturday marked the beginning of Probation Week. Entertainment was furnished by the pledges. A number of Alumni were present and an enjoyable time was had by all. The end of Probation Week was marked with the annual initiation banquet being held in the grand ballroom of the Steuben Club.

A very large number of Alumni were present and the evening was spent in a manner which will cause it to be long remembered by all those present. Sigma Kappa Delta announces with pleasure the initiation of Berthil Hanson, M. E., '34; Victor Camsky, Arch., '35; and Joseph Stehno, E. E.,

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DEPTH SOUNDERS FOR AIRCRAFT

WITH the application of electricity to aircraft instruments, another chapter was written in the annals of air transportation. To-day's ship is not only swifter but safer and more dependable. Modern depth-sounding devices indicate instantly the height of the ship above the ground surface. A unique feature of General Electric's recently purchased monoplane is the almost completely electrified instrument panel.

The most recently developed instrument is the sonic altimeter, which provides a quick means of indicating changes in height above ground. Sound from an

intermittently operated air whistle is directed downward. The echo is picked up in a receiving megaphone, and the sound is heard through a stethoscope. The elapsed time between the sound and the echo determines the height. Tests show that water, buildings, woods, etc., produce echoes that are different and characteristic.

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TECH BASKETEERS BOOKED FOR TWO GAMES THIS WEEK

Meet Crane Wednesday and Augustana Friday

SCHEDULE NEARING END

During this week, the Armour basketball team is scheduled to play two games. Wednesday, Tech meets Crane Junior College at Crane and Friday they play Augustana in the 8th Regiment Armory.

Since Armour has already played Crane once this season and defeated them by a score of 38-23, they should repeat their victory in this return game.

In the last game with Augustana, which was played at Augustana, the Varsity led throughout the course of the game until the last few moments, when Augustana "got warm" and forged ahead to finally win by a score of 25-22. With the advantage of having the game on the home floor the Tech team should win their second game with Augustana.

After the two games with Crane and Augustana, there will be only one basketball game remaining on the schedule. The final contest of the season is with Michigan Normal on February 25, which will be played at the Armory.

Tech Cagers Win and Lose Games

Tech basketballers opened the second half of the season with one win and two defeats. February 4th the Kraftsmen met the Chicago Apprentice School, in a practice game, and defeated them by a score of 40 to 26. On the road they were less successful, losing a hard fought game to Michigan State Normal, 19 to 27, February 6th, and the following Monday, Detroit City College won a loosely played game by a score of 30 to 49.

In practically all the recent games Coach Krafft has used two complete lineups. In the Chicago Apprentice game the second team started and did well in the first half, holding their opponents to a one point lead, 13 to 14. The regulars took the floor in the second half and scored more points than Apprentice did during the whole game. Christoph was the high point man, sinking four baskets and one free throw, all in the second half. Every player broke into the scoring column.

Setterberg is High Point Man
The Tech-Michigan State game was a closely fought affair with Michigan spurting in the final few minutes to win by a score of 19-27. Setterberg was the high scorer for Armour with four baskets, Captain Rossing following up with six points. The score at the end of the half was 8 to 11 in favor of Michigan State.

Armour again fell victim to Detroit City College in their return game at Detroit. Cornell, for Detroit, scored half the points for his team, sinking nine baskets and six free throws. The Tech guards were unable to cope with the Detroit offense. Cornell time and time again broke through for easy shots at the basket. Rossing again was high point man for Armour, sinking four baskets and three gratis tosses for a total of eleven points.

BOX SCORE			
Armour—19			
Robin, rf	0	2	6
Christoph, lf	0	0	0
Carlson, lf	0	0	1
Ilg, c	1	1	0
Beemsterboer, c	0	0	1
Rossing, rg	3	0	1
Setterberg, lg	4	0	3
Lukas, lg	0	0	0
Total	8	3	6
Michigan State Normal—27			
Bayer, rf	3	2	1
Balley, rf	0	0	0
Kazluskys, lf	4	2	0
Ashley, c	0	0	1
Carson, c	0	0	0
Gable, rg	1	1	1
Jagnaw, lg	3	0	2
Maska, lg	0	0	0
Total	11	5	5

Tech Swimming Team Overwhelms Morton

Continuing the work of the current season, the Armour swimmers soundly trounced the Morton team Saturday, February 7, at the U. of C. pool, by a score of 48-27 although handicapped by the absence of Byanskas and the illness of Giovan.

In spite of the one sided score, both teams gave creditable performances, although Tech was not pressed to win at any time. The two high point Armour men were Weston and Carlstrom, with 10 and 9 points respectively. Carlstrom placed in three events, and Weston in two events.

Vokac, a Morton man, gave a marvelous exhibition of fancy diving, taking first place in the diving event. Sredli was high point man of the Morton team, scoring 8 points.

SUMMARIES
 160-yd. relay—Won by Armour (La Force, Davison, Ahern, Carlstrom); second, Morton (Tait, Vokac, Hanzlik, Hrouda); Time—1:29.0.
 100-yd. breast stroke—Won by Cavanagh, Armour; second, Kolve, Armour; third, Dlesk, Morton; Time—1:19.0.
 40-yd. free style—Won by Sredli, Morton; second, Ahern, Armour; third, La Force, Armour; Time—20.4.
 100-yd. backstroke—Won by Weston, Armour; second, Sredli, Morton; third, Bernstein, Armour; Time—1:18.0.
 100-yd. free style—Won by Carlstrom, Armour; second, Ahern, Armour; third, Hrouda, Morton; Time—1:06.0.
 220-yd. swim—Won by Weston, Armour; second, Hanzlik, Morton; third, Tait, Morton; Time—3:14.4.
 300-yd. relay—Won by Armour (Bernstein, Kolve, Carlstrom); second, Morton (Sasko, Plesk, Hanzlik); Time—3:47.8.
 Fancy diving—Won by Vokac, Morton; second, Kolve, Armour; third, Pierce, Morton; Points—91.8.

TECH SHORTS

Baseball Again
Fourteen games have already been scheduled for the 1932 baseball season. This includes eight home games and six away from home games.

A Successful Start
Armour's track team started out on their 1932 championship stride by defeating LaGrange, 46-45.

George Nelson again leads the scoring for the indoor team by winning 26 1/4 points in six events.

Captain Chuck Jens won the shot put with a heave of forty feet, nine inches, which is better than he did all last year. Keep it up!

All men intending to go out for baseball should see Coach Krafft at once, especially the pitchers and catchers.

Victory No. 3
Armour's swimmers again came through with a victory by defeating Morton, 48-27.

Captain Andy Weston again is keeping up his 1931 record of high point man by scoring ten points with first places in the 100 yard backstroke and the 220 yard swim.
H. P. R.

Trackmen Defeat La Grange 46-45

Although only seven men showed up for the first meet of the season, the Armour track team nosed out LaGrange for a 46 to 45 victory.

LaGrange grabbed a 14 point lead in the first two events but Armour evened the count in the next two, taking all three places in the shot-put. Nelson won the high hurdles, and was the only one to score in that event, as his competitors knocked down too many hurdles. Nelson was high point man with 26 1/4 points.

SUMMARIES
 60-yd. dash—Won by Ackerman, La Grange; second, Breytspeck, La Grange; third, Helmick, Armour; Time—6.5.
 Mile run—Won by Stroh, La Grange; second, Hessler, La Grange; third, Barnett, Armour; Time—5:45.
 Shot Put—Won by Jens, Armour; second, Helmick, Armour; third, Hirsch, Armour; Distance—40' 9".
 60-yd. high hurdles—Won by Nelson, Armour; Time—8.3.
 440-yd. dash—Won by Franke, La Grange; second, Hirsch, Armour; third, Finnegan, Armour; Time—55.1.
 High Jump—Won by Nelson, Armour; second, Lillig, La Grange; third, Lacher, La Grange; Height—5' 6".
 Broad Jump—Won by Nelson, Armour; second, Breytspeck, La Grange; third, Ackerman, La Grange; Distance—19' 16 1/2".
 65-yd. low hurdles—Won by Nelson, Armour; second, Nordine, La Grange; third, Lillig, La Grange; Time—7.8.
 Pole Vault—Won by Locker, La Grange; second, O'Hara, La Grange; third, Helmick, Armour; Height—10' 6".
 880-yd. run—Won by Nelson, Armour; second, Meaden, La Grange; third, Stroh, La Grange; Time—2:13.3.
 Four-sevenths mile relay—Won by Armour (Hirsch, Jens, Helmick, Nelson); second, La Grange (Breytspeck, Hessler, Lillig, Nordine); Time—1:52.4.

Tech Fighters Lose To South Chicago "Y"

Before one of the largest crowds that have witnessed a boxing meet at the Tech gym, Armour's fighters lost their return battle with South Chicago "Y", on February 5th, by a score of 3 to 2. Four wrestling matches were also staged, Talaber winning the only one for the Tech aggregation.

Sandstrom defeated Dergman in the opening boxing match, fighting at 120 pounds. The bout was one of the best fought affairs during the evening.

Slotwinski of South Chicago stopped Marcus, in the second bout. Slotwinski was too experienced for Marcus and he scored a technical knockout in the second round.

Schmidt defeated Patryka for Tech's second victory, winning a decision after three rounds of furious battling. Rush, of Armour, lost to Skiba in another punching duel and Campione was stopped by Adams in the final bout of the evening.

The Tech pugilists will meet Valparaiso February 18, at Armour. The bouts will start at 4 o'clock

Seniors Capture Interclass Meet

Summaries of track meet held last Saturday at U. of C. fieldhouse:
SUMMARIES
 60-yd. dash (Final heat)—Won by Krausekamp, Jr.; second, Helmick, Jr.; third, Verema, Fox; Time—6.8.
 Mile Run—Won by Sademan, Jr.; second, Lind, Sr.; Time—5:22.
 440-yd. dash—Won by Hirsch, Sr.; second, Roberts, F.; third, Finnegan, Sr.; Time—55.7.
 60-yd. Low Hurdles (Final heat)—Won by Roberts, F.; second, Fox, Sr.; third, Tilt, Sr.; Time—8.2.
 High Jump—Tied for 1st—Fox, Sr., and Kulpack, F.; tied for third—Eberth, Jr.; Verema, Sr.; Hendricks, Sr.; Height—5 ft. 3 in.
 2-mile Run—Won by Winograd, Jr.; second, Korrell, Sr.; third, Barnett; Time—12:53.4.
 880-yd. Run—Won by Nelson, Soph.; second, Lind, Sr.; third, Heller, F.; Time—2:05.
 Shot Put—Won by Jens, Sr.; second, Fratesch, Soph.; third, Hendricks, Sr.; Distance—40 ft. 1 in.
 Two-sevenths Mile Relay—Won by Seniors (Hirsch, Fox, Finnegan, Jens); second, Juniors (Helmick, Winograd, Sorenson, Sademan); Time—1:08.
 Final Standings—Seniors, 35 1/2 pts.; Juniors, 22 1/2 pts.; Freshmen, 13 pts.; Sophomores, 8 pts.

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