

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 Rhapsody" (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 *Lystrata*, 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 scorekeepers how is the matter settled?

Answer. The ruling of the scorekeeper 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 *Graen 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 or 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.

Coach Krafft Makes Call for Batterymen

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."

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 Chicagoland 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. '35. He has just returned after a years' 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 23, 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.

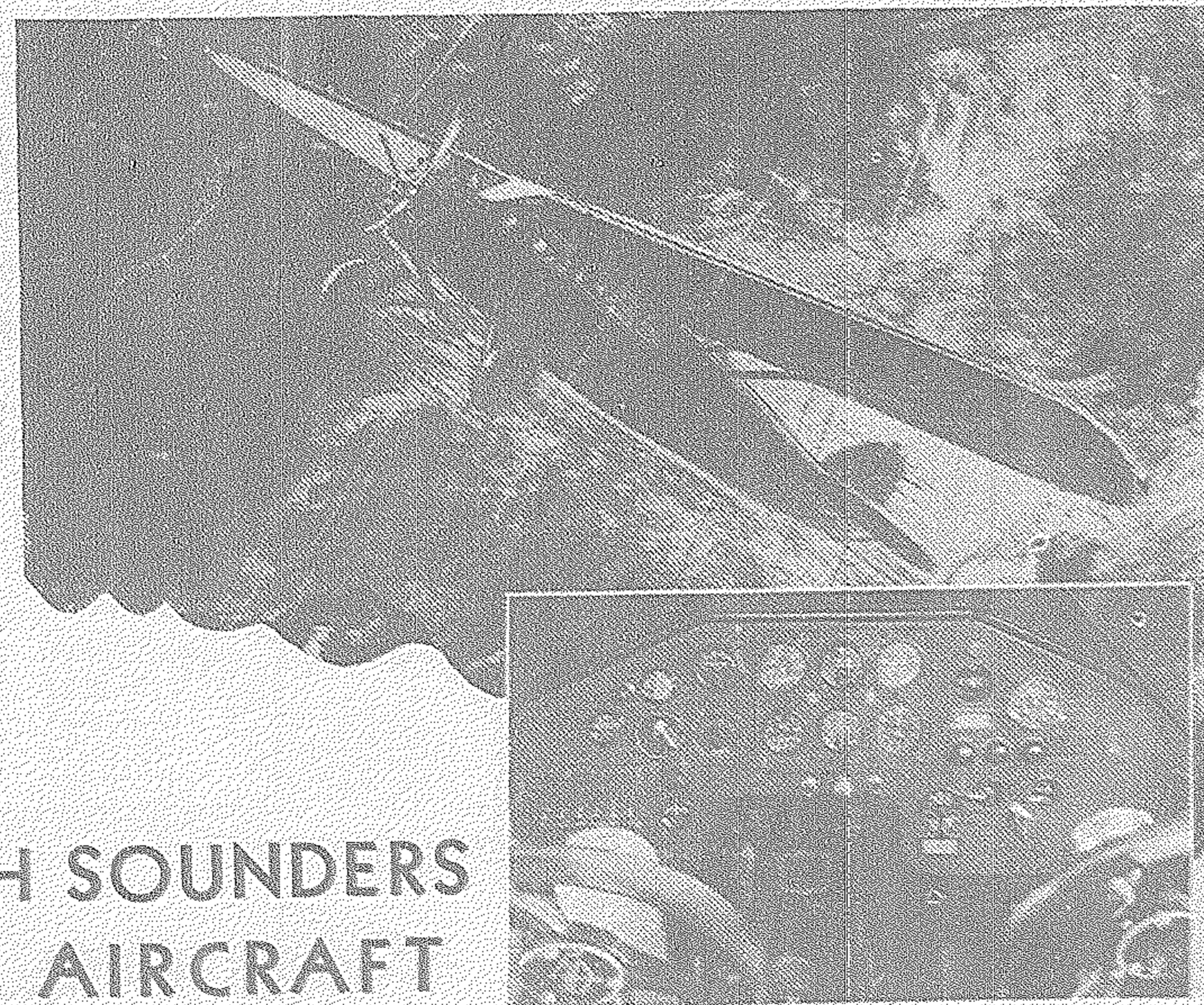
SIGMA KAPPA DELTA
A great amount of activity could be seen at the Sigma Kappa Delta fraternity house during the past week.

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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