Kruse, Tullgren Take Office as Union Managers

Eight Board Members Selected to Govern Union Policy

Bernard "Sonny" Weissman, newly elected Student Urion manager, has chosen his two assistants. These two men representing the student body are Willard Kruse and Ralph Tullgren. Weissman was chosen by the Armour Tech Student Association. The plan for the operation of the Union calls for the managerial staff consisting of one manager, two student managers, and five assistants. The assistants who are now working, and who will probably continue for the duration of the semester, are Colant, McDaniel, Horton, Rothenberg, and Till. A faculty member may be appointed in addition to this student staff. Along with this group, a Student Union Board will govern the Union and its policies.

Chosen by A.T.S.A.

Members of the A.T.S.A. chose the Board members. They are to work with coach Weisman on the organization of the rules to be placed in cffect. The Board will consist of eight students. The senior class will be represented by B. Bernstrom while J. Fahey is to be the representative of the juniors, J. Waber, the sophomores, and R. Tatge, the freshmen. The Co-ops will be represented by the president of the Co-op Club. The group just leaving will be represented by F. Krahulec. The "A" group will be represented by F. Heidenreich. The evening division will be represented by the president of the Night Hawks, W. J. Koch. The graduate department will be represented by Clark Crawford, chosen by Dean Grinter of the Graduate Division. Crawford is a graduate student in Civil Engineering, who received his degree in Duke University where he played football.

Discuss Regulations This Week These men will meet this week to discuss the regulations to be enforced in the Union. Any suggestions that any members of the student body have to make regarding the operation of the Union, or, if a room is desired for a meeting, these men will carry the suggestions to the board.

At the present time students are (Continued on page four)

Help Keep Our Union Clean

Frosh Election of Officers Tomorrow

Climaxing the stormy battles which have featured the freshman elections, the final closed ballot will be held tomorrow, December 14, in the main lobby of the Student Union. The hours for voting have been limited by the committee to the time between 9:30 and 12:45.

The order to eliminate any favoritism in the arrangement of the ballot, the committee has seen fit to place all of the names in alphabetieal order. This step was taken to eliminate the advantage which accrues to the man who has the first position in his respective field.

This year the freshmen have been tion of an official body of men. Several wild sessions have been held for the selection of temporary officers, and now that the class seems to be fairly well acquainted, the permanent positions are ready to be filled.

election. While several of the men was presented as a prize to the holdwho are running for office have had | er of the lucky number. The drawthe position on a temporary basis, ing was made by President Heald begiven office. Because of this, the at 4 o'clock on last Friday. election promises to be a hotly contested battle.

An innovation has been incorpoof printing instructions at the top, Gaylord in all portions of the Union, before the list of candidates. Only including the lobby and the lounge. two items are on the ballot, but they are both of importance. The President and Mrs. Heald, Dean Tib-

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(Continued as page four)



Fathers' and Sons' Banquet Scheduled For Jan. 11 in Union

Contrary to the practice in prefirst semester of the current year. The | ducted by acting chairman J. W affair is to be held in the new dining room of the Student Union. The date set is Wednesday, January 11, at 6:30 p.m. Tickets are on sale for \$1 per plate and are available through members of the committee.

years to hold the Fathers' and Sons' hotel dining room. The opportunity group are to be elected later. to use the newly-rehabilitated Mission building is in itself enticing enough to make the affair successful. The banquet is sponsored by the A.T.S.A. and is mainly for the purpose of bringing the students, their fathers, and members of the faculty into a more familiar, closely-knitted group. It also arouses parental interest on the part of the fathers of the students the completion of the series. and gives them a better insight as to the function of the institute.

identity but has promised that he will meet with enthusiastic approval. The menu, also as yet officially unannounced, will undoubtedly be superior. Help Keep Our Union Clean

Senior Dance Big Success; Balloons Add Color to Hop

Opening social life at the Student Union, the Senior Dance last Saturday was a huge success. With over active in setting up a temporary form | 200 couples attending the function, of government, prior to their adop- it opened a new field for future dances of a similar nature. The presence of the balloons, streamers, and spotlights on the orchestra lent a very pleasant atmosphere to the occasion.

Edmund Francone, a junior me-All offices are wide open in this chanical student, won the radio that

> Lounge space was at a premium in the new lounge. The presence of the York, December 27-29. public address system made it pos-

first note concerns a rule in count- | bals, and many faculty members and "heir wives.

Dance Club Re-opens; Forecast Successful Season for Members

Formal opening of the dance club was inaugurated Monday, December vious years the annual Fathers' and 12, with a meeting in the new Stu-Sons' Banquet will be held during the | dent Union. Organization was con-Duncan and D. V. Stone. During the progress of the meeting many particulars of the operation of the club were discussed.

It was indicated that the fact that the organization is known as the It has been the practice in previous | "dance club" does not imply that there will be any dues or assess-Banquet at some outside hall or in a ments imposed. Officers for the

> Instruction for the series of classes is to be handled by D. V. Stone, professional teacher of dancing, who is at present enrolled in the co-op department at Armour. The first class will be held on Monday, January 9, in Room 2 West in the Student Union and classes are to be held there every Monday thereafter until

This year the instruction will be date, if a good location is to be had. divided into two classes, one from An outside speaker has been ob- 4 to 5 p.m., the other from 5 to 6 tained to headline the affair. The p.m. Each class will consist of two All of the members of the cast have committee has not yet revealed his groups, those who wish to improve their dancing and those who wish to lines, and are now starting on the aclearn. Through the efforts of Mrs. tions. With the opening of the Stu-Orcutt, faculty advisor, a twelve | dent Union the cast began working piece Armour Tech orchestra, under on the stage, rather than in the Engthe direction of J. D. Charleton, has lish offices, and in this way they have

> dance class, held last year, proves the battleground. popularity of this form of extracurricular activity.

The organization chairman wishes to stress the point that no charge will be imposed on members of the dance club.

Help Keep Our Union Clean

Dr. Meech to Aftend New York Language Conference

Dr. Sanford B. Meech, member of Armour's language department and president of the Middle English no one man has any real hold on a fore a group of students in the lobby Group of the Modern Language Association, plans to attend the Association's annual meeting in New

rated in the freshman ballot—that sible to hear the music of Charles ranged that, besides the main assembly at which several hundred members are expected, there will be 20 to Among the notables present were 30 group meetings concerned with special subjects. The meeting of the school activity, and Mr. Christopher-Middle English Group will be under the direction of Mr. Meech.

Players Present 'Journey's End'on Sixth of January

plete sell-out and the possibility that the play will have to be put on again if the demand is to be satisfied.

All Scats Reserved

tickets that are purchased from the H. A. Giddings, C. E. Hammett, S. members of the players must be ex- H. Harper, C. O. Harris, W. E. Kelticular location is desired. Practical- J. B. Rodgers, J. A. Schaad, A. W so it is deemed advisable to exchange and A. D. Sprague. the tickets at the earliest possible

Work on the play has been progressing rapidly in the last few days. had thorough preparation in their been obtained to furnish the music. become familiar with the dimensions

Large Technical Staff

technical division. This play requires a considerable number of properties, costumes and light and sound effects. For this reason the work has begun early to allow ample time for all of the details to be worked out in | men outstanding in the field of weldgood order. Designs for the set have | ing and design of welding equipment been worked out and the accumulation have made a course of interest to of the necessary materials has start- both the theoretical and practical ened. Sound effects, of which there gineer. are many, have also been taken into considerable detail in the preparations. Costumes, which are primarily British world war uniforms, are being measured and will come into the picture during the Christmas vaca-

According to the play director, The three-day program is so ar- Merrill Christophersen, there will be at least three complete rehearsals for the cast each week during the holidays. A great deal of real work can be accomplished during this lull in (Continued on page three)

Glee Club and Orchestra Give Christmas Concert 10:30 Friday

School Offers Five Tuitions To Graduates

Five one-year scholarships will be awarded by Armour Institute to male graduates of February 1939, from accredited public or private high schools. The awards, valued at three hundred dollars each, provide tuition for the second semester of the academic year 1938-39 and the first semester of 1939-40.

In awarding the scholarships, the scholastic record in high school, the extra curricular activities, and general fitness of the candidates, will be considered in addition to a written examination. The former will be judged by means of a personal interview with a member of the scholarship committee. The written examination will consist of the following subjects: mathematics, primarily in algebra, although questions in plane and solid geometry may be included; physics and chemistry, general in scope, but including a short essay on an assigned topic; and English, which will be judged by the candidate's ability to express himself in the essay prepared in connection with physics and chem-

Three Hour Examination

The written examination will be Redman's Death Chant Bliss held at Armour, on Saturday, Janu- Hymn to the Night. . Campbell-Tipton ary 7, 1939, at 9 a.m., and will dates will be the guests of the Insti-candidate must present himself at the Institute for a personal interview be- | Jolly Rogers Candish tween December 1 and January 4, in-Friday night, January the sixth, clusive. Interviews will be held beat eight o'clock, will see the Armour tween the hours of 10 A.M. and 4:30 players in all their glory. The occa- P.M. each week day, except Saturday, sion will be the presentation of the when the hours will be from 9 to famous war drama, 'Journey's End', 11:30 A.M. No interviews will be by Robert Cedric Sheriff. This play, held during the Winter Recess, Defamiliar to all Armour men, is to be cember 19 to January 2, inclusive. the first full length program that the For students residing outside of Chiplayers have attempted in the last cago and suburbs, special arrangetwo years. Advance sales of tickets, ments will be made for both the in- violin solo in "Ave Maria"; Harold

Interviewed by Faculty Members of the Scholarship Com- Danforth, at the piano in the rendion Saturday, the seventh of January, mittee who will interview the candidates are as follows: Professor S. E. Winston, chairman; Dean C. H. Tib-In regard to the tickets, it is to be bals, ex officio; and Messrs. S. E. noted that all seats are reserved. The Bibb, W. M. Davis, W. B. Fulghum. changed in the book store, if a par- ly, W. J. McLarney, R. H. Manley, ly all of the seats have been taken, Sear, W. H. Seegrist, S. M. Spears,

Help Keep Our Union Clean

American Welding Society To Present Lecture Series

The American Welding Society is presenting a series of lectures on welding Monday evenings from 6:45 to 8:30 P. M. The series consists o seventeen lectures which began or the evening of December 5th.

Enrollment in the lectures is open The attendance record of the and general characteristics of their to all interested persons. The fee for enrollment is \$5.00 for members of the A.W.S. and \$10.00 for non-Work has also been going on in the members. Lectures given in Room B Mission will take up the fundamental methods of welding, the inspection of adequate welding, and treatment of welded structures.

This series of lectures given by

Help Keep Our Union Clean

Members of Tech News

evening social next January, for men of the Tech News' staff. A year ago, staff members held a party for mem- cedure followed in the obtaining of bers of the staff of Chicago Teachers' one, how the patent office in Wash-College which was very successful.

admitted and "press" cards will be used as admittance tickets. Music dress system or radio.

Mothers of Students Receive Special Invitation

Armour's combined musical clubs will offer a special Christmas concert, Friday morning at 10:30 o'clock in the spacious auditorium of the Student Union. This concert follows a tradition obeyed at Armour since the musical clubs were organized. As was the case in the past, the annual holiday concert will be free of charge, all students and faculty members being expected to attend the inspiring program. In contrast to such previous occasions, the mothers, sisters, and sweethearts of the students are cordially invited and urged to be present. An especially interesting and entertaining combination of selections has been prepared for the guests of the institute by the clubs' director, O. G. Erickson. The order of presentation of the various numbers is as follows:

٠ ا	Christmas Program
ţ	Agnus Dei Bizet
;	Orchestra
-	Beneath the Holly Tocaben
]	Glee Club and Orchestra
)	Adagio Godard
)	Ave Maria Bach-Gounod
I	Elsa's Dream from Lohengrin
	Orchestra
	A Moonlit Night Wennerberg
4	Red man's Death Chant Bliss

Glee Club be three hours in length. After Malagnena Lecuona the written examination the candi- Petite Suite Coleridge-Taylor Orchestra

Moonlight and Roses LaMare Glee Club

Waltz from Dornroschen The Rangers Song Tierney Glee Club and Orchestra

Highlights of the performance will be the renditions by the five soloists. Donald Charlton will provide the trombone solo in the orchestra's first selection; William Mashinter, the priced at fifty cents, indicate a com- terview and the written examination. Doolittle, trumpet solo in the excerpt from "Lohengrin"; George tion of "Malaguena"; and Thomas (Continued on page two)

Help Keep Our Union Clean

A.S.M.E. Smoker Tonight; Offer Varied Program

Tonight is the night, as far as the Mechanicals are concerned, for tonight will be held the A.S.M.E. smoker in the Student Union. Advance ticket sales have indicated a large gathering will be on hand to hear the chief speaker of the evening, a government official from the Department of Justice, who will give a timely talk on "Counterfeit Money." Also on the program are movies, two colored gentlemen of swing who will present novelty musical numbers, card playing, free cigars, cigarettes and refreshments and other features. The smoker will start promptly at 7:30 p.m. Tickets are still available. Students other than mechanicals and A.S.M.E. members are invited to at-

At the meeting held last Friday, George Parkhurst, 1927 Alumnus of Armour and a patent attorney for the Standard Oil Co., gave a very interesting talk on "Patents." In a brief summary of his talk, it was said that patents are of interest to all Staff Plan January Social technical men and engineers. "All engineers are potential inventors, and Plans are now under way for an as such must be familiar with patents." Mr. Parkhurst explained the true definition of a patent, the proington functioned and what a patent Only members of the staff will be application should contain.

The patent attorney further star what procedure was followed if a Lintends to make the most of the will either be supplied by a public ad- when a patent application is rejected Continued in muge fours

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A Vote of Thanks

Advertising Manager

The Student Union Building is complete. Professor Moreton has done a superlative job in conceiving of the plan and seeing it carried out. The excellent designing of architects Loebl and Schlossman is shown by the distinctive interior of the building. Professor Seegrist did most of the necessary mechanical engineering work.

It is with heart-felt thanks to these men that the student body takes over. Their job, so indispensible, is completed, and the students' begun, for it is the students who will have to bear the brunt of the directing of the new building.

Of course the active managing and administration will be done by Mr. Weissman, the manager, and his staff. The ultimate power, however, is vested in the student board of control which will be elected yearly by the students. This is only just and fair, for it is the student's building, paid for by the students and operated for the benefit of the students.

board of control. For example, suppose the alumni, Control has time to do something. as class-rooms. Can the board of control deny you to be.... them this?

It is not to be supposed that only student functions should be held in the Union. Such events as \\ the recent Terzaghi talk or a national engineering society convention are much to be desired, because they aid the school and students alike.

Since it is the students' building, it is right that they should treat it as such. The sort of horse-play which was so prevalent among a certain element Friday. And then there is WHOOof the student body in the past is absolutely out of order now. One naturally has pride in one's possessions, especially if they are worth it. Let's treat the Union as a valued possession—let's keep it clean!

Intramural Awards

A SPORTS EDITORIAL Last June, a group of school-spirited students got | And in the fall he loves her, together and agreed to try to reorganize the present setup of the Armour Tech Student Association charging inefficient performance of duties. This department, agreeing with the committee, has carefully watched to see what effect the accusations of this committee would have on the Board of Control. It is apparent that there has been little effect.

One of the main grievances against the Board was its ignoring of the main group of athletes of the school-the intramural and interclass tournament participants. More students take part in intramural and in interclass activities, athletically, than in any other sport connected with the school. It seems not only just and ethical, but also mandatory that these activities be given consideration by the Board worthy of the student interest expressed in the activity. This has not been done. Frank Slavin

Let's look at the evidence of the committee from R. Abrahamson, R. Besancon, one member's experience. First, the case of the Frosh "Meteors" who won the softball tournament in May, 1937. They immediately went through the requirements for application of awards. Despite the constant demands of the group it took the Board eight and one-half months to obtain the awards for the freshmen. True, the Board had passed on the awards in June, but they had no executive force to change the words into action.

> The same case applies to the then Junior Chem- girl passes he does his daily good icals who won the touchball title in November, 1937. They received their awards after an impatient wait of two and one-half months.

Now, again, the Board is sitting back and ignoring the intramural awards. The Board has passed on medals to the Sophomore baseball team who won awards last September, and the Senior Chems who won the touchball tournament a month ago, but again they have just set down words and have failed to apply action. This procedure has become monotonous. Despite the fact that a very minute amount of time and effort would be necessary to carry out this mere detail, this small consideration has been denied to intramural activities. When will the Board wake up and do something about it?

At present the reorganization committee is This doctrine of the Student Union for the stu- watching the Board, waiting for self-reorganization, dents must be preserved with the years. The pres- for any system should be able to correct its own deent students know their rights in this matter, but | fects when they are self-evident. This committee will the students of future years know them too? has been by no means backward. They are going Many problems will have to be ironed out by the to take action, but will withhold until the Board of

who have been invited by President Heald in his The present setup of the Board is such that when "Homecoming Day" address to hold their affairs the faculty members neglect their duties, the stuand functions at the Union, want the same date dent members are the only ones who can bring that some student group desires? Who has pref- about the efficient handling of the activities at Arerence? Suppose the school, which certainly lost mour Tech. Here is a case, student members. You some valuable teaching space when the Mission are our chosen representatives. We voted for you was remodeled, desires to use some of the rooms; as men of action and men of action we still believe

—By Jim Fahey.

Fraternity Notes

By EDWARD CHEVALLEY All fraternity notes must be received by the fraternity editor before 5 P.M. Thursday in order to appear in the next issue.

SIGMA ALPHA MU

Sigma Alpha Mu extends its congratulations to those members of the faculty and student body of Armour Tech who were instrumental in the production of the new Student Union, May its warmth and spirit promote friendship and co-operation for many years to come.

Harold Fisher defeated Bob Abrahamson to win the fall ping-pong tion to be held in New Orleans durtourney. The competition was gruel- ing the Christmas Holidays. It looks ing, both men playing hard, steady, as if delegates will enjoy coming offensive games, each of which went back to school after the holidays to far past deuce. With these two men | get rested up. and A. Levenberg and R. Barrett, The Phi Kap Mother's Club en-Sigma Alpha Mu expects to go far in gaged in a Rummage Sale Dec. 5, and the interfraternity struggle in the snow it can be seen that the only ad-

hade for the Annual Fall Toboggan Rarty which will be held on Dec. 18. hather permitting.

Congratulations to Robert S. Kohn | Scarab Fraternity Holds on being pledged to Pi Tau Sigma. honorary mechanical engineering fraternity.

PI KAPPA PHI

Alpha Phi chapter of Pi Kappa Phi takes pleasure in announcing the pledging of:

Edward H. Collender, Ch.E., '42. Founder's Day banquet was a huge success, the attendance being 75very gratifying.

Members are looking forward to the Christmas dance which is to be held on Dec. 17.

PHI KAPPA SIGMA

At the Alumni Banquet held Dec. 1, 1938, the old grads enlightened the members as to the entertainment that would be theirs when they attend the Phi Kap National Conven-

jective that can be used to describe Tentative arrangements have been any venture in which they participate is "successful."\

Donald Charlton has been elected : president of the Fraterhity.

Alumni Banquet Tonight

The Armour Chapter of Scarab Architectural fraternity held a meeting last Tuesday in the Art Institute. The selection of new pledges was made and the plans of an Armour Architectural Alumni Banquet were completed.

The banquet is to take place tonight at the Swedish Club of Chicago, on North La Salle street, at 7 o'clock. The entire architectural alumni has been invited to attend. This is the first time any such banquet for the benefit of graduates of Armour has been held. The purposes of the banquet are multi-fold, among which are to inform the graduate of what Armour is doing now, and, also, to have a "get-together" of former class-

Initiation of the pledges of last October was done at the home of L. Johanson of Evanston, a past-graduate of Armour. It was a very lively affair, as all initiations prove to be.

Some of the events included on this month's Sport and Social Calendar are the Interfraternity Ping Pong and Bowling Meets, the Pledge proce, and a New Year's Party.

The Slipstick

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

Let's see, this is Tuesday. Then there's Wednesday, Thursday, and PEEE!! "Gee, I just can't wait. . . Two whole weeks to do nothing but home-work." BANG. Be sure and lower the coffin slowly.

He loves her in the springtime, When birds all bill and coo; He loves her in the summer, And swears that he'll be true;

When the harvest moon is new. But he hates her in December, When Christmas gifts are due!

The chiropodist entered his office and found his assistants loafing: "All right, boys," he snapped. "On your

Charlie: Say, Bergen, have you a piece of sandpaper?

Bergen: No, Charlie. Why? Charlie: My face is dirty.

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What We Want for Christmas

Parard roadster Russian pajamas Fraternity ring Straight A's Trip to Europe What We Will Got Red neckties Woolen underwear Book of Mrs. Browning's poetry Cold Call from dean's office

Marion: My boyfriend was a Boy Scout when he was a kid and it's still in his veins.

Eleanor: What does he do, make a fire without matches?

Marion: No, every time a pretty

Disgusted Prof: This class reminds me of Kaffee Hag. 99% of from the bean.

Up to sixteen a lad is a Boy Scout, but after sixteen he becomes a girl scout.

ONLY 12 MORE DAYS UNTIL CHRISTMAS.

". . . And dear Santa Claus please fill our stocking with Hedy LeMarr stick..."

Hi Yo Silver.

Stoopbrain and Santa Claus Ride Agayne; Danze 'till the Cows Cum Hoam to Roost

threw the streets; oh wat fun to bea | fun tew sea these bewtiful young jolly, riding on a darn olde trolley, things befour they are 70 years of unquote. Wel, deer Sally, those our age, old, yellowed, mellow and wrinmy exact sediments az Christmas ap- | kled and fuzzy, wen they are sent-owt proaches and wonce agin it iz tyme | tew awl the grammer and high skools for mea tew cum hoam for the Christ- tew teech stewdents. Befour thiz I mas and New Yeers holydays. Woopy! never that teechers were young Know more skool fore tew weaks, wonce. Yowsah, nuthing like holyday cheer, and the anticipation of gifts tew kum | The Armore Star hams iz going tew tew no grater pleazure than stringin | Friday nite next yeer, and I hav won brain's seven foot beerd. I got a a synopsis of my grate part. Scene but I'll tel yew no I kan't keep a se- yew dog!" Mea: "Yew mean mea?" cret . It is a prize pig frum the re- General: "Yes!" Bang! Bang! meen izn't it?

Deer Sally:

Iz Unyon Swel, and How

Did yew no why a hen lays an egg? Wel, I figured out that if shea didn't lay it, it wuld brake. Tew get back tew the point, tho, the unexpected haz finalley hapened. Yep, yew guest it. The new Stewdent Unyon haz the first" buy opening it a weak later many things. Wat they are, I don't nownced. However, it iz open and acomplished anything. Shucks, inspiring that on the opening day famouse orator-Augustus Adolpho a cuple of fellows surveyed it and Eureaka Sameuloso Mortimer Blank sed, quote: Chee, iz thiz fore us, unquote, and then promptly floped their | tew drink, but yew can't make him muddy size 12's on the plush uphol- water." Wel, Merry Christmas, and stered divans and whent tew sleap, yew can Nick him later fore alimony Guys like that ought tew be thrown | Happy New Yeer! owt, especially wen they think the ashtrays our owtgrowths of the floar and burn a hole in the chairs withe their cigarettes.

Danzeo Awl Laste Weak

active element has been removed they held the Senior Danze there laste Friday nite in the rejuvenated autotorium, and it wuz kean. Faye Pairwomin after awl. I took that scinca- tors. lating, sizzling, searing siren of swing, none other than Suszie Q. social afternoon will be enjoyed by Shea iz nown (now) az the belle of the clubs on Sunday, January 15, at toidy-toid and the tracks. And can 3 p.m. at the Shawnee Country Club shea truck-like Mack. Wen shea in Wilmette. The program for the does the Lambeth walk yew're feat afternoon will consist of a full conand a new joke book for the Slip- | feal like they're the walk. Oh, well, | cert for the "dates" and members of I had a swel tyme. Also went tew the country club, followed by the a Xmas danze given by sum coeds at serving of tea.

the Chicago Abnormal College, wear "Jingle bells, jingle bells, dashing they train teechers tew teech. It iz

I hav news, Sally, splendid news. frum Sandy Claus. I look forward | produce "Journey's End" on the first lites and tinsel in grandpappy Lame- of the leading roles. I wil giv yew kean present fore yew, itz a secret, I, Act I. General'speaks: "Take that, scent stock show hear, so awl next | Bang! Thud! Mea again:, "Ugh yeer awl yew'll half tew due iz look | yew got mea!" (Silence.) Act II, at Hamstoop (that's hiz name) and Scene I and II. I am on stage the hole think of mea. Simple, aren't I, I act as a corpse in the corner. Act III, IV, V, VI, etc.; I repose offstage as a bugle blows tappets (quick taps). I feal shure the audience will relize a superior actor wen they sea mea and throw theyre ripe fruit at sume-

Merry Christmas Anybow

Az the yeer draws tew a close, and finalley opened. They even fooled I look bak and survey the laste 12 owr grate skool paper ("Last withe months, I feel I hav accomplished than the paper's flaming hedlines an- | no. So I guess after awl I haven't that iz the mayne thing. The bewti- hole yeer wasted. It brings bak tew ful lounge (I reely mean it) iz so my mind a quotation by that worldwho quoted, "Yew can drive a horse

Yures.

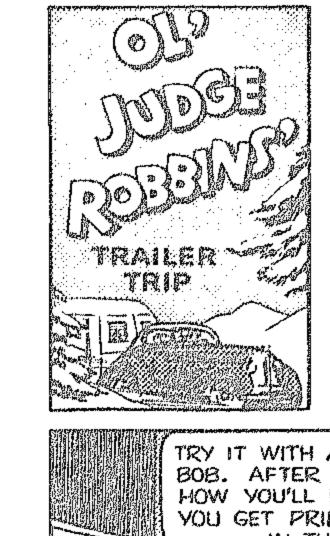
Stoopbrain Bliss.

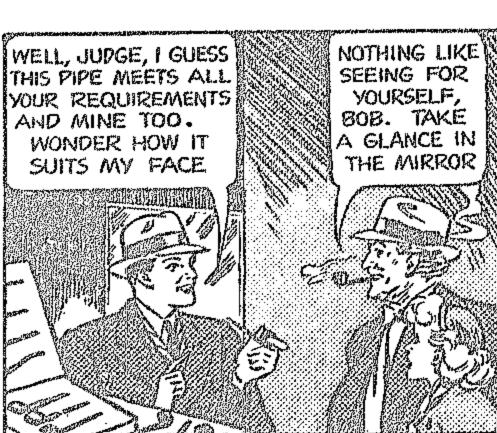
CONCERT.

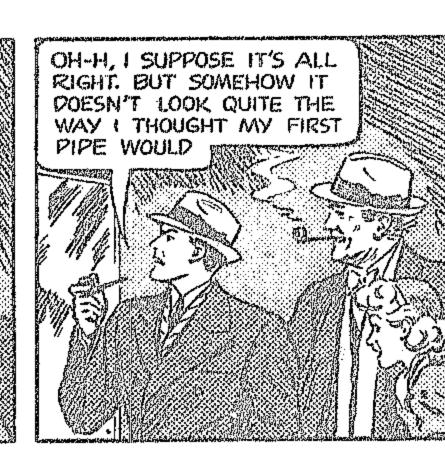
(Continued from page one) The Stewdent Union iz so nice that Yeakle, baritone solo in "Redman's Death Chant."

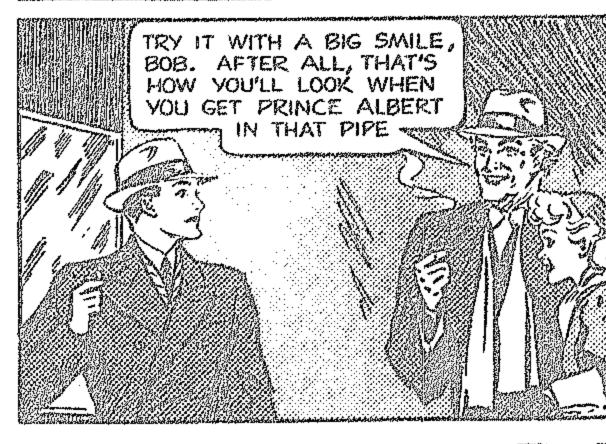
Immediately following the last number, an inspection tour of the idge and hiz orck. suplied the music, newly remodeled Student Union will and I suplied the moste glamorus be conducted for the benefit of visi-

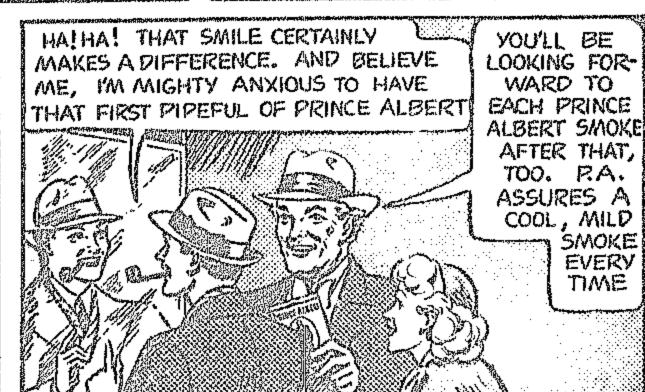
According to future schedules, a

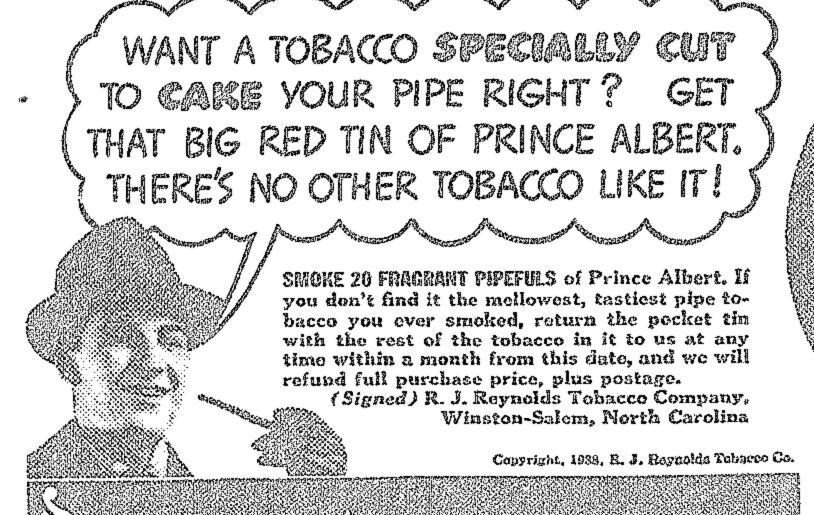






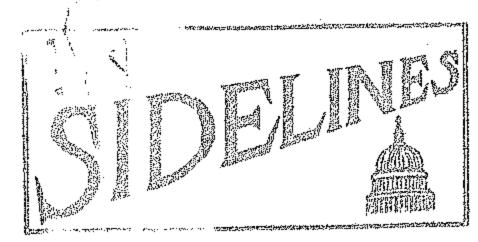








pipefuls of fragrant tobacco in every 2-oz. tim of Prince Albert



WE HE THE WORGESTER THRUNDS IN PRINCIPLE exoprt today is the propaganda. Nevertheless, at activique at intervals poignant truth are ted concerning the more unpleasant as: Germany's national life. Decided and at Herr ster - embare c sing Hitler's sanction, and shocking fa chave been **given** voice in thi anay's liberal agencies of proceedings, even the onging leftist and Chicago Tri' and the least importpublishing ant facts

OF CHIST concern to the civilize a warm many is the extremeterrate predicament of the we about which everyone had doing very little. Rivers that the Jews are personnelled in Germany and the and in Italy, too, of latewas use a common code. Few are acquainted with the and methods of the Nazi program. Several issues previously, it was stated that minorities, by the very nature of their being minorities, are subject to oppression and maltreatment of the ruling empowered majorger The lease the americans. but they are start attack that They represent he enecually cohesive group with a perhaps everemental no equivalent geograpical area now | Armour Tech band. presents itself for Jewish settlement. Expansive capitalism of a past era is now contracting. Alaska, the equatorial areas, and similar humanly unfit and isolated regions have been suggested as possible havens for refuge. The futility of these suggestions is obvious.

FOR WHAT OTHER purpose than a means of promoting a pseudo-nationalism has the nazi party oppressed the Jews. It is a known fact that the German exchequer is depleted. Industry and individuals are taxed to their maximum. Yet tanks, ships, military highways, a standing army, and expensive foreign propag ganda departments cost considerable money to maintain and operate. And acting on the provocation that crazed Polish Jew shot a German petty officer in France, the nazis are taxing the Jews in Germany a neat billion marks. The method of collection is simple—a capital levy on the race. Property and goods are "assumed" by the state with no recourse to legal satisfaction. This \$400,000,-000 will maintain the party for a period, and the churches appear as a likely source of revenue in the near future.

NOT ONLY direct superimposed taxation has been pushed onto the Jew, but far more cruel, has been his personal maltreatment. He has been rounded into concentration camps with thousands of other unfortunates. He has been brutally handled and made a subject of scorn and derision. Nationally sponsored propaganda has depicted him as the diabolical source of the chaotic fascist condition in which Germany finds herself. We have our own shameful Jim Crow laws, but Germany's recently adopted code of Semitic treatment is far more discriminatory. Her parks and public places are flooded with posters displaying horrid, grimacing caricatures pointed out as sinister plotting Jews. The yellow park benches are allocated for Jewish occupation. The newspaper columns list the un-nazi like who dare to associate with Jews. Theaters and cultural outlets are closed to them. | terpreted it mathematically. Mendelsohn's music is heard no more.

has inflicted on an unfortunate mi- rays. nority. Hate and intolerance brood unrest and foster nationalistic isolamedieval world the a long slide. treating

PLAYERS

(Continued from page one) opportunity. Properties for most of the scenes will be on hand by the time vacation starts so that the complete actions can become second nature to the men in the cast.

Those who are in the play along with the part, are as follows:

Osborne Charles McAleer Stanhope Bernard Sternfeld TrotterLeon Epstein HibbertJames Duncan Raleigh Ray Nerhus HardyRobert Jaffee MasonTom Hunter Colonel Art Hansen Sergeant-Major . . Sid Silverman German boy...Richard Hanneman Soldier Charles Schultz Members of the technical staff are: Production Manager.....

.....Ralph Erisman Stage Manager William Buckman Business Manager Oliver Doe Assistant Directors Bernard Sternfeld, Ray Norhus Set Designer . . . George Danforth Properties

Roy Brinkman, Robert Underhill, Walter Kahl, Albert Sanowskis Costumes Charles Schultz

Lightning Jerome Pinsky, Howard Tyler Carpenter Pohort Rartusek, Bert Greis-

Art Hansen Samuel Fillert

Running time for the play has been ized, but nevertheres amportant out estimated at a little over two hours for this work. A large variety and tural and historic heritage. The for the three acts licause the play scape goat of every ruling class, they starts at eight, there will still be a are again running the gauntlet. Dif- goodly portion of the evening remainferent than ever before is the un-ling when the production has been fortunate complication that no fron- completed. For this reason arrangetiers are now left for them to take | ments have been made to remove the refuge. Whereas New England was chairs from the main floor after the the Puritan's recourse for freedom | final curtain, and to round out the from tyranny, and the far west of evening with an informal dancing fered abundant farm lands for the session. Music for the dancers will unsatisfied in eastern United States, be furnished by Don Charlton and his

Medinah Club Selected for Soph Dance on February 10

Under the guidance of Social Chairman J. W. Murray the sophomore class is making preparations for its unnual dance. After debating the merits and demerits of several dance sites, it was decided that the dance will be held in the Grand Hallroom of the Medinah Athletic Club. The date of the dance has been set for February 10.

The social committee, which Grosse, J. G. Hartman, and E. A. orchestras and although an orchestra | height of the airpiane with the aiti has not been selected a good one is meter and using similar triangles to by the A.I.E.E. for Finday, Decempromised.

Crystal Structure Analysis to A.I.Ch.E.

gineers. X-ray analysis of crystall pipe lines can be made by this methstructure is, nevertheless, extensive od alone. When a much line is dethesis concerned crystal analysis, in- | ways was first need by the highway | troduced the field, discussing the dis- | department of the State of Minnecovery of X-rays, methods of apply- sota. Surveys of this type can be ing the X-ray to crystal analysis in made at a cost of casy a few dolindustry.

There are five general schemes of X-ray analysis: the Brage method, Plan New Floor, Fixtures the Laue method, and the method involving rotating crystals, powder, and fiber. Laue was the first in the field. He decided that X-rays, discovered by Roentgen and known to have almost all the properties of light, differed from light only in wave length and could be diffracted by a grating comparable to the short wave length. Reasoning that the alignment of particles in a crystal would serve as a grating, Laue obtained remodeling process which is sched other inside ions. the first diffraction pattern and in-

able, but no race can withstand the a single fixed crystal and observe dif- modern fixtures will be installed. type of cruelty that the nazi party fraction by a plate sonsitive to X-! The present equipment is, with thickness of paper to be used, the

J. Holmberg Talks To Civil Engineers On Hero Surveying.

"Aerial Surveying" was the subject of the talk given by Mr. J. H. Holmberg at the last meeting of the civil engineering society. Mr. Holmberg, who is the head of the firm bearing his name, has had a great deal of experience in this type of handle news from other colleges in work since the World War. For six years the speaker was a member of the air corps, and he resigned in schedules should be established early 1922 in order to form his own com-

pany, Survey work as done from the air, involves a great number of problems that have been gradually surmounted. A great many of the difficulties still remain unsolved. The question of photographic plates has been almost solved. At the beginning photographic plates were made of glass. The fact that they would not distort during development was very important, but their bulkiness and fragility more than offset this advantage. Film as developed at the present time suffers practically no shrinkage during development. Specifications state that this shrinkage cannot exceed one part in two thousand. The accuracy of the final map depends on the true representation of the original negative.

Vary Types of Lenses Cameras of various types are used number of lenses are used in these cameras. Cameras with two, five, and seven inch lens openings are used; cameras have been developed for the Coast and Geodetic Survey with nine inch openings. The larger the number of lenses in a camera the wider the angle that can be photographed, requiring fewer flights for the completion of a particular section. Lenses with various foral lengths varying from -ix to twelve inches are used depending upon the type of work being done.

Shutters present another problem in the development of the camera. The ordinary foral plane shutter when opening and closing takes longer time than that for what it actually cabbrated.

Errors Are Small

In order to calibrate a map and determine the scale to which it was photographed, ground control point must be established and the distance between them determined by actual measurement. Errors of less than composed of F. W. DeMoney, W. H. 11% can be expected with work of this type. A rougher type of call Ratzel has been busy auditioning bration is done by determining the determine the scale of the map. Accuracies of 95% are the common cludes either the State Line general eriterion for work of the type. A! great deal of this knot of work was being done for the AAA when crop | for transportation are being band acreage was determined. In this type of work the actual areas of the fields are measured with a planometer.

As applied to engineering work, arrangements with him. Although new in many respects herial surveys are used in many ways. lars per square mile.

For Basement Washroom!

washrooms in the main building.

MONETARY TAXATION is bear- | chromatic X-ray emanations through | place the old tiles, a complete set of | be manufactured into a good grade

some repairs, substantially the same blongation and tensile properties In industry X-ray patterns differ as that installed when the main. Sample of war produced by the entiate between crystalline and building was constructed. They have takenite Company were shows to tion. The world today needs to co- amorphous sulf tances, reveal crystal long been out of date, function poor-i members. One sample which purtuoperate and not to emphasize its dif- structure, and frequently identify a by, and must give way to a modern- uturly interested the group consisted ferences. The Continental Jewish substance. In metallurgy they are ization program. The south west of three large cables between which refugees must be taken care of, or a valuable in Escaling crystal distor- room is to be converted into an advices a tinn of one through which on scientifically righted, but socially tien and in the specients of heat ditional locker room, furnished with was numbed to reduce the ware term a number of new lockers.

Rho Epsilon to be a lew 1000 Wart Transmitter During Christmas Molidays

smitter

phone emerating of the band is planted L. The ! mour's new radio - Ceruic uring the Christian is hold are the old apparatus will be completely rebuilt. Among its other activities the fraternity will be the Chicago representative of a nation-wide network of college amateur radio stations. It will cooperation with the National Intercollegiate Press Association. Regular next month on frequencies of 3585 and 7170 kilocycles.

With fifteen pledges this semester Rho Epsilon has no trouble in keeping things humming. The formal initiation will be administered this year in three sections so that the pledges may recover in time for the final exams.

Almost all the pledges are radio "hams," and it is a rule of the fruternity that 80% of the members must be licensed amateurs. The men who are pledges at the present time are W. O. Anthony, WSXQ; E. J Bauer; M. Camras, W9CSX; W. Clark, W9QIC; F. Ellin; E. I. Hass. W9LQN; L. Holmes, W9JGS; L. Maze; S. Mentzel, WOPBT; E. Minicka, W9WLG; C. D. Pierson, W9QYE; H. F. Quarnstrom; E. M. Resenthal; A. C. Seda, W9BDM; R. Smessaert, WOMDQ.

Senior Electricals to Hold Christmas Party Dec. 17

Members of the senior class of electrical students will hold a Christbias party on Saturday evening, December 17, at 8:30 P.M. The Halloween party was attended almost 100 per cent, which induced the planning of this Christmas party.

Music will be furnished either by radio or amplified recordings. Refreshments will be served.

While the party is somewhat restricted to semors, juniors are also invited. Tickets are priced at 50 cents per couple.

Feeling the need of close cooperation before gooduntion as a better method of continuing friendship after graduation, the sensor electricals have planned a series of social events for the next year.

Jood Insulation Subject at A.I.L.L.Meeting

her 16th. A Westallive schodule in ing station or Electromotive Couper ration of lattirange. Arrangements lied by William Kurtz, vice-president of the A.L.E.E. and students needme transportation are urged to make

At the meeting of the AdEE and not well understood by most en- Route surveys for transmission and last Friday, F. J. Dableilen, a rep resentative of the Onkomite Company lectured on "Electrical Insulation. ly applied in industry. In a talk be-| eided upon, the actual sorvey can | His talk descus ed the variation in fore the A.I.Ch.E. last Friday at be made at a greatly reduced continued properties between vid 10:30. Mr. Schand, whose doctor's This type of work as applied to high- canneed subber, variabled cambric. and treated paper as insulding ma-

> Temperature changes no probably the most important factor expendes termines the type of insulation to be used. Rubber is used only up to a temperature of 140 degrees Eah. renheit. New synthetic discoveries or the research departments have introduced a synthetic rubber which is In keeping with the extensive re-baperior to the ordinary type used. modeling plans for all buildings of The new type can be colored any Armour Institute, W. Koster, Super- shade, without affecting the mechanintendent of Buildings and Grounds, heal or electrical properties of the announced Friday that improvements | tubber, but it is for expensive for have been arranged for the basement ordinary insulation. The main ad- vantage for rubber insulation is its; A clean sweep is promised in the flexibility which is not found in

uled to be completed during the baper insulations are produced by Christmas holidays. In addition to a washing, steaming and chemically Lauc's method was to pass poly- new concrete floor, which will re- treating munda rope so that it can of paper. Standards regulate the

New Invention Aids Fatiqued Students In Regaining Sleep

By R. E. PERRY

There has recently appeared at our Armour a labor saving device of such magnitude and unparalleled ingenuity that Edison, and the inventor of the "Just Dandy" mustache cup, fade into the gray light of obscurity. It is entirely meet that this should be so, for one could always blow on a hot coal instead of turning on the electric light, but who, what genius, may snatch a snooze in class without the protection of an eyeshade filtering out a professor's peering eye and light all but 5200 Angstroms? (Never mind looking it up, that's green light ig-

Confides in Prof. Freud

There have been a number of notably feeble attempts to overcome a teacher's deep rooted superstition that sleeping means the snoring one is not paying strict attention. Notable among these is the one Nikolas A. Natinchek, the ex-officio chemist. confided in Prof. Benjamin B. Freud; it was, said this optimistic lad, far easier to concentrate with the eyes closed, thus shutting out all but the professor's learned discourse, talso all pertinent formulae on the board.) Doctor Freud apparently agreed. He now helps Natinchek gather data on ling department. the method by requesting his confirmation and derivation of every third theory.

The green eyeshade, to com a name for the invention, avoids the pitfall noted above by presenting to the wearer the air of a man who studies to the point of collapse, and then, to save his rapidly failing vision, resorts to the shade. Dark glasses formerly served the same purpose save that they failed in lending a learned nor and suggested that the eyes were in weak that beautiful ladies were forever trying to help the bearer across streets, Imagine the annoyance!

Before His Time

A theorist had suggested, in fo. grammar school thesis, an afterna Tive to the green eyeshade, but his most theorists he was sheered of This man, no doubt several days be fore his time, declared that if eye balls were painted on the eye lids the peopers were open or shut. This cleared up this baffling point, and altimate settlement of the soil, it is to be expected that any day? The main object of the pair reof all insomnia preventives.

Seniors Begin Courtesy Drive "To Keep Hats Off"

In accordance with opening of the new Student Union Building and the necessity of keeping it as minned lent as it now is, a group of senior have inaugurated a courtesy canpaign to stop the thoughtless wear ing of hals in buildings, the throwand of paper, eigarette ashes chalk, erascus, etc.

It was decided at a meeting of the senior commissioners to begin a drive for courtesy between students. It is hoped that the other classes will get behind the campaign started by I the seniors.

Testing of Subway Soils Continues in Armour Laboratory

Work has progressed favorably on the new subway project. The first contract for the North State Street section has already been let, excavation starting Saturday, November 17. Bids for the Clybourn section will be submitted in the near future.

Up to the time of the bidding a large amount of work on the project was in connection with the constituents of the soil; soil tests are still in progress here at the Institute. This consists, to a large degree, of settlement analysis and structural stability of the soil in question. Acting as a general investigator and approver of designs, is Professor Ensz, associate professor of Armour' civil engineer-

Indicate Best Locations

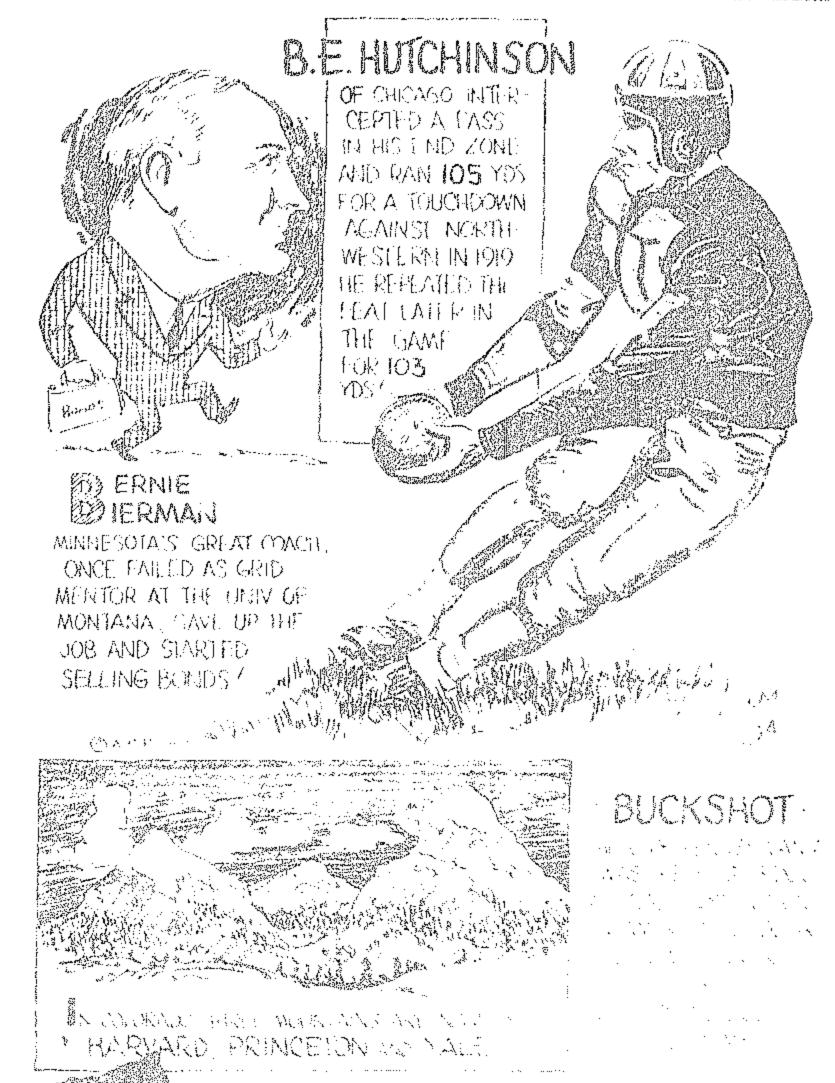
Many of these soil tests were made at the soil research laboratory which operates under the direction of Prof. Easz. The soil samples which were taken at various points of the selected subway site were submitted to the soil laboratory for testing. The tests indicated the location as being suittable for the construction of a sub-

In analyzing for settlement and stability the clay samples were determined for water content, plastic limits, and ultimate settlement. These exhibitive tests were started several months ago, and concerned all the physical properties of the soil. Of these the aforementioned are some of the salient features.

Tested by Graduate Students

The soil research laboratory, where the foil samples are being tested, has been a part of Armour Tech for two years. It is principally concerned with highly advanced soil incehanies; several graduate students it would take a carnty pedant indeed land student assistants are working to decide from a distance whether | there constantly. Soil testing consists mainly of determination of wapromeer was stopped by the fact that ther content, liquid and plastic limits as soon as he shut his eyes to paint of clay, specific gravity, particle disthem he couldn't see himself, and tribution, and size and resilience of thereupon, in desperation, went off particles in general. The latter is to light the Martians in New Jersey. Important from the standpoint of the Recent developments, however, have subway project, since it deals with

someone will make a friend and gearch laboratory is to further blossom out with the most efficient knowledge of the true nature of soils



Richard E. Vernor Lectures to F.P.E.S. On "Progress in Fire Safety Education"

tion" was the topic of the talk by falls it will fall inside, rather than Richard E. Vernor before the F.P. outside, the tray. The price paid E.S. meeting last Friday. Mr. Vers for such ignorance as this is trenor has gained a wide reputation as mendous fire losses and numerous a speaker in this field and has ap- deaths from fire. Over 100,000 peopeared bet to community groups all ple have died by such means in this cover the country. He is also the an I country alone, since the war. then of "Chasing the Fire Demons." an arrele which appeared in the Ar more Engineer and Alumins.

Mr. Vernor spoke in a non-technical manner and pointed out the com mon lack of knowledge regarding for inzards in simple acts. He pointed out numerous examples, such as the striking of a match or placing a eignosite on a tray. In the case of the engarette, for example, the highted end should be on the out-

A.S.M.E. SMOKER—

(Continued from page one)

for the first time, the various fees payable to the government for a natent, the definition of patentable material and to what requirements the object must conform to be patent-

Prof. Nachman, recently returned from the national meeting of the honorary chairmen of the A. S. M. E., held in New York City, brought back the information that out of the 120 A.S.M.E. college branches, Armour was second in membership ranking. having 137 members and being led only by Purdue with 203 members. The University of California was third with 123 members.

Help Reep Our Union Clean

Foundry Class Runs First Iron Heat of Present Semester

Thursday the first iron heat of this semister was run off under the guidance of Mr. Kube, foundry postpuctor. As in the past it was quare a show, drawing the usual anneant of spectators. The furnace was charged to the maximum with seventeen funded pounds of honand a sufficient propert of coke to run the heat.

Every thing started off on time with a bang, and with the spectators. getting in the way as usual. The first tap from the furnace went to harn out the ladies. This was to cooper accomplished when the secand the was ready and waiting to the powers. This tap was used up was the filling of the large ladle and a tex of the hand ladles. The herse hadle was hundled by the two "man mountains" of the class, who. proceeded to pour their moulds in good style. The next few heats were a petitions of the second with the men preferring the smaller ladles The class was a little jumpy handling. the hot metal at the beginning, but after the first couple of taps they settled down like professionals.

As the work progressed the menquarting the large custings ran adv a had mould that proceeded to throw the metal back at them. This was quickly remedied by a few hand fully of sand thrown in the riser and space notes. The men operating the farmer seemed to have the most interesting job. for their labors attimeted the interest of most of the speciators. The climax of the nonpositing came when the bed of the furnies was disapped to allow the remanufaction and slag to have the igg part.

Rely keep ting I non Clean

A.T.S.A.--

At Alberta transpage ones arrived to use all available space for different purposes but, once the new these converger the assembly hall, to be used in preference to the de daze decembrang puripo es l'Other aggrestion alone will be brought to the board mercaling to members of the staff, will estude regulations to gradies the resement of the furnidure in the loange, the ase of the ash receptuales placed in the buildmay last Friday, keeping the hights to the rooms out when not in use, and contraining from the use of the lanch groom for dudying from 11.00 to I be Numerous other anglesions are to be brough to the board presting by the members, since at the first one they the complete regularions part he of forther After this has been home the bound will have few tune

"Progress in Fire Safety Educa-; side so that when the burning stub

Mr. Vernor mentioned that the holidays. nation's fire loss has been cut in half in the last decade. This is largely attributed to the extensive educational campaign for fire prevention conducted in schools and presented tional tests and measurements, will to the general public by three national | describe in detail the purposes and fire protection organizations. These | results of the tests given to freshorganizations are the National Board men at Armour. The title of his istry laboratory will have a new con-Fire Protection Association, and the Preshmen." National Fire Waste Council. The anyone interested may hold an associal gineering. Problems." ate membership. Its function is to Walter Stearns, President of replace one of smaller capacity.

The last organization described by Mr. Vernor is a non-technical one, the National Fire Waste Council, Its membership is comprised of twenty national organizations, four government bureaus, and many chambers of commerce. Its interests are chiefly in educating and organizing fire councils in various communities. In conclusion, the speaker mentioned several clubs which resulted from the extensive educational programs. The most interesting one was established an Monterey, California, and is called the "Shack of the Week Club." The function of the club is to select an since its beginning and offers a model. the candidates for other simple organizations.

'Engineer' Ready Before Holidays Says Hendricks

Professor Walter Hendricks, head of Armour Tech's English department and editor of the Armour Engineer and Aluminus, announces that the next issue of the quarterly will be distributed before the Christmas

At least two of the stories in the coming issue will be written by men from Armour. Dr. W. C. Krathwohl, director of the department of educa-

develop fire protective standards for Stearns and Voyt Photo-Engravers. A new periodic chart is being buildings and equipment. It made Company, will contribute an article made, for use in Science Hall, by tains some fifty committees for this, on "Engraving." His article will de- Henry Newman. It will be about scribe the various processes used by eight feet by ten feet in size. engravers, the uses for which each in the research department, Docment used in this work.

son of New Departure, a division of the Clay Products Association. General Motors Corporation. This discussion will be entitled "Ball-Bearings" and will cover the design and uses of a great variety of ball bear-

Help keep ther those Chan

FRESHWAN

(Continued tion juge our)

Four men are ranning for the of- ning for social chairman.

Advanced Freshman Chemistry Class Is Started by Manley

Dr. Manley of the chemistry department has organized an advanced class in freshman chemistry. It is for those students who have already covered the regular freshman course and desire something more advanced.

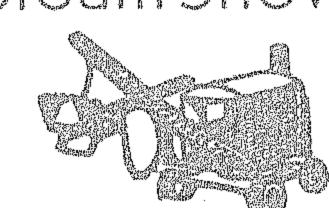
The first meeting was held last Friday, at which time Dr. Manley explained the purpose of the class and made reference assignments. Each member of the class must read a reference and write a report on it. Various reports will be picked at random and read at the meetings. The next session will be held on the first | Friday after the Christmas helidays.

In a short time, the physical chemof Fire Underwriters, the National article will be "We Measure Our stant temperature bath. The tank of the bath will be made of stain-From data and results obtained less steel and will be large enough to first mentioned is an association of from experiments at the Research perform large scale experiments. It stock insurance companies established Foundation, Dr. Thomas C. Poulter, can maintain temperatures accuratein 1866 which maintains laboratories director, will discuss high pressures ly to plus or minus one tenth of one throughout the country and large de- in an article on "The Study of degree centigrade in a temperature partments for arson legislation. The Extreme Pressures and Their Im- range of from twenty-five to ainety N.F.P.A. is an organization in which portance in the Investigation of En- | degrees centigrade. It is being installed at the present time and will

method is best suited, and the equip- tors Manley and Kindsvater have been developing several new types Another story to appear in this of jointing compounds for clay pipes. issue will be written by A. P. Peter- This project is being sponsored by

fice of president, namely: Glenn Backman, Sam Balai, Ted Krupnik, and John Peterson. Only three are Overheard Jack remark, "I rode on running for the vice president's possible feet until she said I owed her ansition. They are: Joe Esterle, Ediother seven cents carfare. Then Tarnowski, and Eugene Ther. The | quit." combined office of secretary-treasuring ballet-; namely, that only one er is being sought by William Hassman may receive a vote for a given karl, and Dick Talcott. Earle Hux- at the dance. Although PAUL HENundestrable building each month and office. Any ballot on which a nota- hold, Leonard Jindrich, and Joe Vo- RICKSON is reported going steady, compel its possessor to either tear it tion of this rule occurs will be katy are campaigning for the office whom should be ride on the "L' down or make improvements. This thrown out. The second item is an of A.T.S.A. representative; while with, but MARION CLIFFORD, Norclub has been operating effectively, explanation of the method of listing Fred Klein, Frank Mickiewicz, Bill mal's senior class president. We Simonini, and Bob Tatge are run- have a hunch she was looking for you resolutions, and you won't have any

Steam Shovel



"Bar the doors, I see wolves approaching," probably was the password among the girls at Chicago Normal College last Friday afternoon. The cry did no good, however, for the Armourites stormed the doors as invited guests at the Christmas, dunce given by the coeds. Was it a success?

One thing that caught everyone's eye was "Jitterbug Biddle," an ickie if there ever was one. His legs reminded one of Seabiscuit coming down the home stretch. After dancing with a girl in black and white, he took home a blonde. Can't keep a good man down.

KEN OLSON, mechanical co-op, oldfil kaa linned eid diw youd omw book taking down LORRAINE CHASE'S phone number. She was a cute little number in powder blue, and Ken wasn't the only one who noliced her.

A tall co-ed in a flaming red dress came dashing breathlessly up to Tom Hunter and exclaimed: "In case 1 don't see you again, goodby!" With that she was gone with the wind. Her name is Eileen.

-LLOYD-NORKUS and -JACK

1 at the dance, Paul

HARV NOTHENBERG WAS SO ENGROSSED AFTER THE DANCE WITH A GIRL THAT HE RODE RIGHT PAST HIS STATION ON THE "L" AND PROBABLY /TOLD HER THAT HE LIVED UP HER WAY.

Carroll Peterson wenk to the dance with the hope of seeing his old flame, who attends Normal. However, other eyefuls seemed to have captured his heart once he got there. . . .

When a canine friend entered PROF. PAUL'S strength class the other morning, the professor actually invited the homeless beast to stay. However, as soon on the dog sensed what class it was he dashed from the room. Quotes Prof. Paul, "I once brought home a little stray dog and had him for 15 years. By that time he weighed 150 pounds and many's the time that he was sitting on top of me after a wreating bout."

Congrats to "SWING" FRAN-CONE on his winning the radio offered by the senior class as a prize for those who bought senior dance bids. Now "Swing" will be able to swing it with Benny Goodman and the best of them.

ROY JACOBSEN supposedly went to the opera recently to super, but other interests such as CYNTHIA WALKER of Winnetka, who was also supering, soon made him lose interest in "Faust" and "Jepson."

Those wandering boys of song, and bad boys of the glee club: Winblad, Vandekieft, Danforth, Wead and Yeakle had a swell time with those National College of Education co-eds: CLARK tooked on from the sidelines. Mickey, Beth, Mary, Arlone and Sylvia, respectively, last Thursday evening, and if you smell smoke, it could be Mr. Erickson burning. Beware. glamour boys, you can't cross the swing maestro when you're supposed Another dark secret was uncovered to be rehearsing with the Glee Club.

> Well, so long all youse guys. A very WERRY CHRISTMAS and a HAPPY NEW YEAR. Make one New Year's resolution—not to make any



Cagers Win, Lose; DeKalb, Chicago Maroons Oppose Tech This Week

Foresters Score 33-29 Victory as Long Shots Click

Sliva and Norkus Lead Armour Team

Armo	1222			Lake I	Porest		
	B	ħ,	¥7		B	17	1
O'Connor, f	2	1	2	Herrison, f	5	2	
Norkus, f	2	5	0	Strekles	1	2	
Lurz	0	0	3 .	Giroy, 1	0	0	•
Swanson, c	3	2	2	Patterson	3	1	
Sher	0	0	2	McAllister.	e 4	0	+
Scherer, g	0	0	U)	J. Pedersen	0	0	
Janicek, g	Ō.	0	0 (R. Pedersen.	»: 0	0	
Sliwa	4	1	3	Maiman, g	{}	2	
Hoffman	1	0	1	McKenna	()	0	
	********				A# ***	·	
	~ 63		+ -		1 17	77	1.

Although showing more fight than it has ever displayed before this year, Armour's Techawks were humbled by Lake Forest to the tune of 33 to 29 The game was played last Saturday in the Lake Forest High School Gym.

Both teams played an open type of game and both overlooked several chances to score when men were free. The deciding feature of the game was the consistency with which the Foresters hit the hoop. Armour took more long shot than the opposition, but they couldn't find the basket and had to score from close in instead. For the Foresters, Harrison was

the outstanding man. This little Sophomore tallied twelve points to lead both teams in scoring. Sliwa led the Techawks in point gathering and, with Norkus and Scherer, played stellar game on defense. However, despite their efforts, the suburlanites got plenty of long shots and onsequently tallied.

Armour got off in front in the first minute when O'Connor sank a free toss. Harrison tallied a field goal but Swanson retaliated to make it 3 to 2, Armour. Then Harrison started working and Armour never was in front again. The score at the half was 16 to 9. In the second half, Sliwa and Norkus led a fresh attack which brought Armour within three points of the Forresters, but this rally was stopped and Lake Forest went on to win.

Swimmers Start Against Loyola U.

Seven Meets Scheduled; More Expected

In their first appearance of the year, the Tech swimmers will make their debut on January 11 at Loyola. Last year the Techawks won the return meet with the north side school after losing the first by a very tight

Three days later, the Cardinals from Naperville will travel to Bartlett pool in a revengeful mood, for last year Armour dealt North Central two defeats. Nevertheless, Captain Winblad is confident that the team, strengthened by the fine show of several new divers, will repeat and again win. A return match with North Central is schedulel on Feb. 11 at the Naperville pool.

Perhaps the brightest, if not the most enjoyable time, in the mermen's schedule, appears on January 21. Forgetting the ensueing exams for a week-end, the boys will travel down to Greencastle, Ind. There the old rival, DePauw, will lie in waiting, hoping to score another victory over the Techawks. Last year, the Indiana school boys walloped the Tech swimmers twice by fair margins.

On either February 27 or 28, George Williams, the college at which swimmers learn how to swim fast and smooth, and Armour will resume its series they stopped two years ago. The meet will be held at Bartlett pool, each team will be trying to beat the other to the draw by winning the sole meet between the two.

Bradley Tech will be the guest of Armour on February 17. Much has not been heard of the downstate but by the time of the meet 's strength will be known, will Bradley's. As the grand o the Tech '39 season, DePauw pear in Bartlett pool to meet for the second time. Last the return meet, DePauw had sh time beating the Techawks of the best meets of the year. are now scheduled seven th five different schools. It however, by the time the is held, that more meets heduled with colleges such DeKalb, Lawrence and

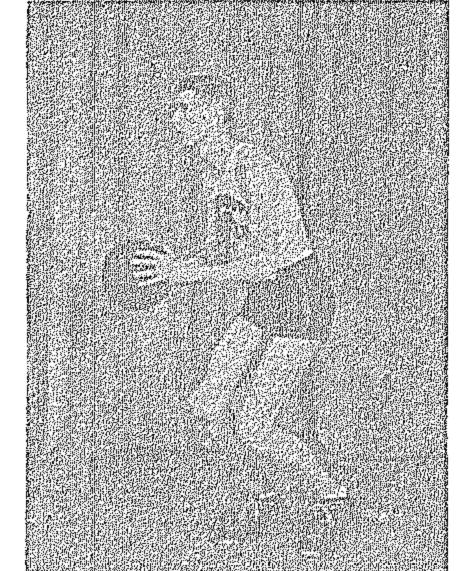
Armour Defeats Arkansas Indians With 37-34 Score

Co-Captain Ed Swanson Paces Score with 15

	В	14.	P		13	17	
Norkus, p.	1	2	2	Baldwin, f.	4	1	
O'Connor, f.	3	2	4	Clements, f.	2	0	
Swanson, c.	5	5	2		2	2	
Janicek, g.	0	0	0	Griffin, g.	3	1	
Scherer, g.	0	2	0	Busby, g.	0	1	
Lurz, f.	1.	0	0		3	1	
Sliwa, g.	2	2	1	D. Keller, f.	2	0	
							-
Totals	12	13	9	Totals	14	6	

ball quintet won a game and distinction last Thursday by finally beating a stubborn Arkansas State team, 37-34. The distinction was that Coach Stenger's boys were the first Northern team that had not scored at least 60 points against the already scalaped

Although the Techawks barraged their opponents back board with shot after shot, they met with little success in putting the ball through the hoop. Ed Swanson was the most accurate of the team, and had fifteen



High Point "Swanie"

points to his credit, five goals and five free shots. O'Connor followed up with eight marks, while Baldwin, a reputed All-State forward, led the visitors with nine points.

Keller Hoops Long Shots

Arkansas jumped into a four point lead before the echo of the starting gun had died down. By virtue of gift shots and two goals, the score | In the tenth running of this great was tied at eight all in the middle show with its galaxy of stars, Armour stopped momentarily the visitors' fast | This year, however, Armour will not | breaking style of play. However, the have its gold medal winners back, dead-eyes from beyond the Mason-1 since both have left Armour. Alex Dixon line kept their score piling up | Bingham, who tied the record in the mainly by swishing long ones through 60 yard dash, has received his B.S. the hoop from mid-floor. Keller in mechanical engineering, while Covseemed to excel in this art.

For a brief period during the sec- has dropped out of school. ond quarter the Techawks started to Swanny had a streak and bounced two in succession through the hoop. However, sloppy ball handling stalled the Tech machine, and the tempo slowed down. Metzler managed to make the score 20-18 just as the half ended.

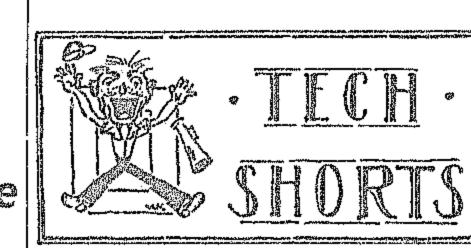
Plagued by Refereeing

Plagued by the curse of home-team refereeing, the Indians never held the lead for more than a few seconds during the rest of the game. For a large part excellent defensive work by Sliwa and Scherer kept the Indians from taking more Techawk feathers. At the start of the fourth quarter, after O'Connor had put Armour again in the lead with a timely | in the 155 pound class, the Armour shot, the score was 30-29.

Lurz and O'Connor both made field | Tech squad. goals and Armour enjoyed a five point lead. Then the Statemen stole division, carrying the match all the the ball and raced down to Armour's way for the full eight minutes. Mcbasket with only Sliwa barring the Danel, although seeming to have the way. Not only did Sliwa stop this advantage most of the way, lost his scoring threat, but also seized the ball | grip and was pinned by Vosen in 3:15 and dribbled up the floor.

From that moment on, Arkansas was only able to make one free shot. For the remaining two minutes in the game, Armour managed to freeze the ball, ard the contest ended with Swanson holding the ball and Armour holding down the long end of a 37-34

score.



By TOM CLARK

Armour's "pill-box" will be a scene of fervid activity come 3:30 Today, as the seniors and juniors launch the good ship "Interclassic breaks forth for three day of glory, the finals being played on Thursday, and then settles back to await another year. The juniors are odds on end favorites to take the seniors into camp, having six members on the varsity team who are eligible. Eligibility is determined by tradition, and tradition (which consists of nothing more nor less than looking up in the News files) reveals that only men who have re- down. ceived basketball awards are ineligible to play on the interclass teams.

Boxing and wrestling are other Suburbanites. school tournaments that are edging to the fore, and will appear on the scenes shortly after the new year. Last year the tournaments went interclass, and worked so well that it will come under that category again this year. The present seniors took the boxing events last year, and the class of '38 captured mat honors. Incidentally, that's the same class that took Interclass honors for four straight years.

Schommer Announces Relays for March 18

Concurrent with the opening of the indoor track season at Armour comes the announcement by Athletic Director Schommer that the annual Armour Tech Relays will be held on March 18 at the University of Chicago Fieldhouse. Invitations are now being sent out.

This will be the eleventh renewal of this event and as usual a successful meet is looked forward to. Last year the College Division was won by both Co-ops. North Central.

The outstanding feature of the evening was the marvelous mile run turned in by Wisconsins crack miler, "Chuck" Fenske, who traveled the distance in 4:08.9 for the fastest in-I door mile ever run in the midwest.

ington, winner in the quarter mile,

Despite this loss, the Techawks beeral years.

Wrestlers Battle Wheaton 'Little 19' Champs Tomorrow

Expect 500 Spectators at Wheaton Gym

Before an expected crowd of 500 or more Wheaton fans, Armour class Basketball." Long awaited, this Tech's wrestlers go to work tomorrow night at Wheaton College to even up an old score and seek their second victory in two tries.

> Last year Wheaton beat a strong Techawk squad 20-14 in a close match, and this year Wheaton College again has no team to be underestimated for they have been Little Nineteen wrestling champions for about the last eight years, and have not yet given evidence of slackening

> The bout tomorrow night is the first of Wheaton's encounters this season. It is not only the first, but it is the most important for the West

Expect Crowd of Fans

A crowd of anywhere between 500 to 1,000 people are to be on hand at 7:30 when the doors of the Main Gym swing wide and the "bone-crushers" go to work.

This year the fans have had an opportunity to view a newcomer to the Armour Tech tusslers. A. Pocius, a sophomore, is taking the place of Balsewick who has been recently injured. Not only is he being thrown to the tigers with a minimum of experience, but he is being put before the big tigers in the heavyweight di-

Last Thursday the team won its opening match and the boys displayed their skill by copping six out of eight events.

Hanna, 145; Nigrelli, 155; Kazmiero-175; and Pocius in the Heavies.

All the boys are seniors with the exception of Pocius, Hanna and Kazmerowicz. Till and Nigrelli are

Weissman Reveals Entries

The team, according to its mentor, Sonny Weisman, might use Butkus, the State champ from Tilden in tomorrow's 155 pound bout. Material like this gives Sonny's boys a great outlook for the next four years. thorities.

needed more conditioning,

No information has been received click. Sliwa played dead man under lieve that they can come back and on matches with Beloit or Lawrence the basket and sunk one. Then better last year's results, which were but the much hoped for match with the best Armour had reaped in sev- Purdue has been definitely slated for I January 11, a home bout for Tech.

Wrestlers Recompense with Morton Win 26-10 as Tech Opens Mat Season

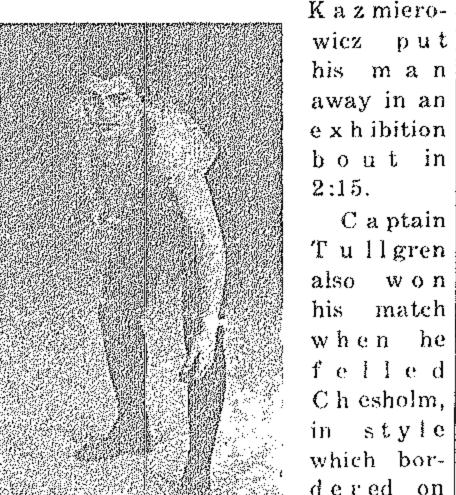
Emerging on top both literally and came Hall in the same quick fashion. figuratively, the Armour Tech matmen downed a heavy Morton Junior College squad 26-10 last Thursday night in Tech's opening meet held here at Armour.

Losing only two bouts out of nine, there being an extra exhibition bout grapplers recompensed for last year's At the start of the final period closing defeat received by a detrained

> Till took his match in the 121 pound minutes.

Next, Ropek at 135 pounds pinned his luckless opponent in short order. Then Hanna, tearing into a heavier grappler than he, tossed Ptak around the mat much in the fashion of a medicine ball, the punishment suc-

cumbing the Mortonite in 3:15. Nigrelli in the 155 division over- tion bout.



Captain Tullgren

In the heavyweight division, however, Pocius lost to Uher after about six minutes of fast wrestling. Wind-

profession-

utes.

COACH WEISSMAN



WRESTLING SCHEI	DULE
Dec. 8Worton	Here
Dec. 14-Wheaton	There
Jan. 11—Purdue	Here
Feb. 3-Morton	There
Feb. 8-DeKalb	There
Feb. 17 or	•
Mar. 3—Case (Clove	land)
	There

Feb. 24—DeKalb Mar. 18—Wheaton Invitational

Defending Seniors Face Junior Cage Aggregation Today

Frosh-Sophs Tomorrow Finals Thursday

This afternoon at 4 o'clock the annual interclass basketball tournament | U. of C. where, on next Friday night, The probable entrances for the will get under way with the juniors they battle a strong Maroon team. bout tomorrow night will be Till at facing the defending champs, the The '37-'38 edition of the Big Ten 121; McDaniel at 125; Ropek at 135; seniors. Tomorrow the frosh and sophs will mix, and on Thursday the the Engineers, 45-32. wicz, 165; Capt. "Buss" Tullgren at | two winners will square off for the championship.

Those other men who are biting their | In today's game, the juniors are nails for the big opportunity are looked upon for a victory. Although they lost Bill Hofmann, who having Judging by last Thursday's per- won a letter is ineligible, as is any formance and by the looks of the other player who has received either men, the Armour "grab and groan" a letter or numerals for basketball. fans can expect a victory. Coach Without Bill, the seniors will be more Weissman remarked however, that or less impotent and are not expected although the boys looked good they to stop the smaller but more prepared juniors.

present unknown qualities when they battle. As yet, Bill O'Brien has had two years ago; Allen, a forward on team and consequently their teamwork is not expected to be of the all members of last year's frosh team of trouble. that won numerals are ineligible.

Chuck McAleer, and Charles Schroe- center to match Lounsbury of the his man der, or others, in facing the frosh Maroons, Norkus or Hofmann and turnout on Wednesday.

Trackmen Work-out Today in Fieldhouse

Led by Co-captain Dick Vandekieft when he and Steve Finnegan, the track letf e I I e d termen will have their first workout ready to accommodate the freshmen Chesholm, today at the U. of C. Fieldhouse, and sophomores, who are required to in style Thursday the remainder of the squad take a course in physical education. which bor- will be assigned lockers and given Each student has been examined by dered on equipment.

al skill, in of co-ops on the team but there is dition. That is, if a student is found four min- plenty of room for more talent.

February 3 or 4 will be the date be made to correct it. of the first meet with North Central. classes for a change.

TechawksFace Teacher Squad At Home Today

To Visit Midway Friday For Annual Game with Maroons

FROSH FACE DEPAUL

Facing a strong De Kalb Teachers five on the Armory floor this afternoon, and an especially fast and powerful University of Chicago squad Friday night at the Midway fieldhouse, Armour Tech's basketball squad will test itself against plenty of skill this week. Both teams whipped Tech last year and are reputed to have even superior squads.

DePaul University, meanwhile, will form the first opposition for the Tech freshman squad when the two frosh cage quintets meet at DePaul this week.

DeKalb's Northern Illinois State Teachers have more power than last year's men, who deluged the Engineers with baskets to the tune of 44-28. In fact, three of last year's lettermen on the DeKalb outfit lost starting assignments to newcomers. The Armour boys will have to be in top form to overcome their oppon-

DeKalb Triumps Over Tech

In last year's game the DeKalb boys were hitting the hoop from all angles and displayed too much offensive power to help Armour's cause along any. They finished with a 44-28 victory. Scherer showed the way for the Armour sharpshooters, garnering a total of 9 points.

Three days after the DeKalb tussle, the Techawks move down to the team came through with a win over

Maroons Appear Strong

This year's cage quintet from Chi-The scene, despite the efforts of cago looks stronger now than it has several to change it, will be the gym | for several seasons. The Maroons on fifth floor main. The tournament | have come through with victories in has been held up three weeks wait- their opening games with North Cening for the room to be vacated. The tral and DePaul, both experienced juniors, especially, were endeavoring | teams. Two lettermen, Lounsbury and to have the game removed to the Meyer, form the nucleus for the pres-Armory, which could have been ob- ent team. Lounsbury, a rangy, 6 tained for a nominal fee. However, foot 4 inch center, matching the this plan was vetoed by the Tech au- height of Co-captain Ed Swanson, center for Tech, the key man on the Chicago team, is playing in his junior year. He placed tenth in the Big of the quarter. Armour's defense did well in gaining two first places. Thodos at 145; Cole and DeBoo at the seniors won the title last year, he was a sophomore. Meyer, who won his letter last year at center, has been converted into a forward for the 1938-39 season. Meyer, who played regular quarterback on the 1938 football team, is a shifty player who handles the ball well.

Other members who add strength to the team are Stampf, a 6 foot 4 The sophomores and frosh will both | inch sophomore who played on Calumet high school's championship squad little chance to develop the freshman | last year's squad; and Stanley, also a forward from last year. The Chicago squad averages 6 feet 2 inches highest order. The sophomores also in height, and this height advantage will present a new set of faces since should give the Armour boys plenty

Coach Stenger, who has been look-Hank Sliwa, a newcomer on the ing for some hefty and rangy men varsity, will be one threat of the soph- among the first two strings, will probomores and will join Roy Bosnak, ably have lanky Ed Swanson in at O'Connor, forwards, and a group of guards to chose from "Co-captain Paul Henriken, Joe Janicek, Bill Scherer, Herb Sher, and Hank Sliwa.

Gymnasium Resumes Usual Physical Education Course

Armour's gymnasium is again Dr. McNamara and his exercises ar-There is a surprisingly large group | ranged according to his physical conto have a physical defect, steps will

The classes have been meeting since Interclass track will be scheduled late last week and instructions have been in January, at which time the sen- given by Grant N. Stenger, the physing up the meet with a win, Thodos iors, who have been thwarted each ical training instructor, on what to pinned Schommel, a game matman | year from copping the honors, will wear during exercise for proper from Morton, in a 155 pound exhibi- be attempting to quell all younger breathing. This week actual classes will begin.

STATE OF STATES

Co-op Notes

By E. P. HANUSKA

The "B" group Co-ops are back at school again ready to plow into the courses their alternates, the "A" group, have just happily (?) completed. Incidentally, I'd like to inaugurate the following nomenclature to be used in identifying Co-op men. After each Co-op's name will appear an "A" or a "B," depending upon which group he is in, followed by a numeral indicating his year at school; for example, R. Smith B3 (in the "B" group, third year).

It has been reliably reported that Dr. Giddings has just completed a successful campaign against the juniors and sophomores (number of casualties not yet determined) using that terrible weapon Differential Equations as his scalping tool. This same source also reports that Prof. Giddings has fully supplied himself with new and tougher problems with let me tell you some of the things that which to bombard us, the "B" group! Ha! but we're not afraid; what's a little thing like finding the equation of a raindrop falling 25 feet per second at a distance of two miles above was the main speaker of the evening. the earth, etc., etc. All we need is He spoke eloquently of Armour in 10 hours of time at home each night the days of Gunsaulus, Mann, P. D. and we'll work any problem, or will Armour, and others. Although Dr. we? Time will tell!

but will say little about his trip. Any- | past great leaders. time you're in trouble see Vic "Socrates" Milewski B2 for moral support. E. Ambrose A2 is probably up quer Diff. Eqs?

AND CONTRACTOR OF THE PROPERTY OF THE PROPERTY

Armour Homecoming Ceremonies Features Talk by Dr. Scherger

grads, fat grads, skinny grads-about | bodying these principles. two hundred and forty of themjammed into the Union dining room last Friday to celebrate their first annual Armour Tech homecoming

dinner. From 6 o'clock to 11 o'clock in the evening, Armour men, representing practically every class that has graduated, made the halls of the new Student Union re-echo with a joyous clamor as they greeted old friends, made new ones, reminisced about the "good old undergraduate days," and Schlossman, and Prof. Seegrist. enthused over Armour's bright present and future.

Discusses Armour's Past

This outlook to the future, a keynote of the entire Homecoming, was well expressed in President Heald's words as he addressed the assemblage, "You have been hearing Dr. Scherger talk over the "good old days." Now we at Armour are now doing, and intend to continue doing."

Dr. George L. Scherger, a greyhaired stalwart of Armour's past, Schergers talk was predicated on Ar-P. Koenig B2 has lots of pictures | mour's past, he urged the present to of his recent vacation in Germany, carry on in the spirit of Armour's

Relates Origin of Mission

Doctor Gunsaulus a million dollars event.

Homecoming! Old grads, young with which to found a school em-

President Heald then presented a short talk on the activities of the school at present. He told how the Union building so recently completed is already accomplishing one of its purposes: namely, to bring people outside of the school here to see what we are doing. The story of the renaissance of the Armour Mission was not retold, but President Heald did mention the work done by Prof. Moreton, Architects Loebl

President Heald then gave a brief report of the diverse fields of activity being engaged in by the school. Armour is no longer supported by the Armour family, but by the community. Its gifts from the alumni, the trustees, and industry which are maintaining the school. The student body is the largest in Armour's history-more men than ever are turned away because of a limited student capacity. The great advancement of the evening school and the graduate division was mentioned. These are now about three hundred men in the graduate school working for advanced degrees. President Heald's mention of the research foundation was supplemented later by a brief talk by Prof. Vagtborg.

Placement Facilities Enlarged

The enlargement of the placement home movies. facilities was discussed by the presi-

Kent Continues Experiments at U. of Michigan

The television apparatus which aroused so much comment when it was publicly demonstrated at the Institute last open house night has been shipped to the University of Michigan. Further experiments will be conducted with this set by Earle doings. L. Kent, an instructor in electrical engineering at Armour. Mr. Kent, who is on leave at present, is working for his doctorate degree at the University. Together with other research workers at U. of M., he will try to improve the existing equipment and add other pieces that permit transmission and reception of the images on ultra short waves.

As it now stands the television outfit was built last year at Armour by Mr. Kent and several students in his television classes. Constructed after principles of the RCA system, the television "camera" contains a \$400 iconscope tube and a special amplifier capable of responding to impulses ranging from below 20 to well over 1,000,000 cycles per second. Tiny acorn tubes, no larger than buttons, are used for this purpose.

cathrode ray tube reproduces the the model, in litho. . . . Juniors are the Calveras Cement Company and image which has the high definition finding themselves in a real Charatte, developed and perfected a number of of 441 lines; this means a clearness from now until February. of pictures comparable to that of

in Michigan visiting his "grand- light during Dr. Scherger's speech. they knew of jobs that needed fill- of high definition television in Chi- covered. mother." Note to F. Krahulac B3: Among these was the story of the ing, or needed a job themselves. An cago. At the time pictures were sent erative.



Well, ARX, this is the last issue of the Arx News for this year, but we'l be back Jan. 9 . . . with Christmas

Professor van der Rohe is really showing the seniors how to make their models. Just last week he started on his, and now he is almost done; the seniors are getting crosseyed trying to keep up with him. . Oddity: Even Swede Erickson is working, that is news. . . . His system is is helping him, some crust! (He just finished a Class A project.) The poor gal has got it bad out in Omaha, poor pretty Kitty Kelly.

We had a visitor in graphics last Wednesday. Mirotsnic Jr. came into the room, looked around, saw Danforth, and jumped for him.

fell into the water watching the fine and miscroscopic methods and the detail of the statue in the center of correlation of microphysical characthe fountain. . . . Mandel appreciates | teristics of clinkers and cements. In In the receiving unit a ten inch art too; all last Friday he was doing 1936 he organized a research lab., for

Sophs are all heated up about their "life class." Quotes one: "Holy The showing of the experimental smokes, female next week" unquote. dent, who urged all the alumni to apparatus at Armour last semester |. . . Of Pehta's injuries last week, Many interesting facts came to get in touch with Prof. Schommer if was the first public demonstration his leg and his brain, his leg has re-

Piper and Ostergren seemed to We hope you are planning some af- origin of the Armour Mission and invitation was expressed by the presi- by wire to the receiver rather than have gotten into a very embarassing fair for the Co-op Club at the end Armour Institute—how Dr. Gunsau- dent to make the Union available to being transmitted by radio. While situation last week, according to of this term; C. T. Swanson B2: How lus' "million dollar sermon" on train- the Alumni for meetings, or dinners, at the University, Mr. Kent hopes to Mour: very bad. . . . The Sweet Poabout injecting some of your dancing ing young men to use their hands so provided, of course, that it didn't improve the apparatus so that when tatoe Band is on the downfall since pep in the other fellows to help con- impressed P. D. Armour that he gave conflict with an already scheduled he returns it will be completely op- Joe Q.U. Wagner has declared a sitdown strike on them. . . . Poor ole

ripe home-grown and aromatic Turkisis

tobaccos rolled in pure cigarette paper.

Dr. H. Fish, Refractories Expert, Added to State Of Research Foundation

Recently the Research Foundation added to its ever-growing staff Dr. Henry G. Fisk, a well-known authority on refractories, clay products and cements. He will spend all his time working on the Dolomite project, which has been underwritten by the Marblehead Lime Co.

Dr. Fisk received a bachelor of science degree in chemistry from the Occidental College in 1923, a master of science degree from the University of Illinois in 1924 and a doctorate in Mineralogy from Ohio State in 1927. He started work as chief chemist for the Vitrefrax company in 1924, developing uses of the electric furnace. refractories. In 1927 he was emalso in effect when just one fellow ployed by Gladding McBean and Company, for whom he equipped and started a research laboratory and then carried on development work in refractories and introduced new tests for clays and clay products.

Dr. Fisk was connected with the research department of the Universal Atlas Cement Co. from 1927 to 1936, working the analysis of the minerals At the Architect's Ball, Fox nearly in cement clinker by high temperature products.

> and a lightweight building cement. Joe, just doesn't appreciate good music.

I leave with: No news of the judge ments; boy, do we miss ye good ole judgments, without them there isn't half as much to talk about, as well as to write about.

Hoping Santa Claus won't see all your red marks (no X's anymore). BOZ-ART.



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