



Armour Tech News



Vol. XX. No. 7.

Armour Institute of Technology, Chicago, Illinois

Tuesday, November 2, 1937

Sophomores Elect Shaver President

Mackey, Opila, Norkus, and Worcester Win

The sophomore class in a spirited election held on last Friday, Oct. 26, chose its officers for the coming year. Daniel Shaver, E.E., was elected president over Paul Ransel, F.P.E., by a count of 117 to 92. Ransel led the class the first year. All offices were hotly contested with department pitted against department and fraternity pitted against fraternity as they attempted to place their men in key positions of the class.

Fahey Lead Stedman

Prior to the final election held on Friday a primary election was held on Tuesday from which the two contestants with the largest vote were entered into the final election. There was a close race for the A.T.S.A. representative with a tie for second place between D. Sunde and J. Fahey with 45 votes each. L. Stedman took first place with 56 votes. Sunde, however, withdrew from the finals in favor of his rival, Fahey. Results in the final election showed Fahey ahead of Stedman by a vote of 114 to 91.

Mackey Elected Vice-President

Other results showed W. Mackey 151 and E. Horn 51 for vice-president; F. Opila 118 and H. Quandt 85 for secretary; L. Norkus 123 and B. Sternfeld 83 for treasurer; E. Worcester 140 and L. Downing 67 for social chairman.

The new officers expressed their eagerness for a class dance or smoker to be held as soon as possible. There will probably be a meeting of the sophomore class Friday under the guidance of the new officers to discuss plans for the coming year.

Chapin Hall Location of Civil Engineering Research Laboratory

Research laboratories in civil engineering are now under construction in the basement of Chapin Hall, Mr. Dohrenwend being in charge of the construction. The first of these laboratories is devoted to the study of photo elasticity of structural models. At one end of the laboratory is a dark room to be used for the development of films. Several power tools are being installed for use in making models. This laboratory will also be used for studying impact and vibration in structures.

Another lab is being constructed to make structural tests on full scale models. The first test to be made will be a comparison of different types of concrete. A slab of pre-cast concrete and a slab of concrete cast in place will be loaded with sand bags to measure relative deflections and strains, and to determine which type of concrete is better. This test will take from nine months to a year.

Professor Enszt is working on a "stable table" to be used in the study of soil mechanics. The purpose of this table is to eliminate vibrations from passing trains. The table will be on the first floor of Chapin Hall and the legs of the table will extend down through the basement to the clay beneath, several feet below the surface of the earth.

Golden Gate Movies Shown by Roebing Co.

Through the courtesy of the Roebing Manufacturing Company, the construction of the Golden Gate bridge was presented in a sound motion film at an assembly last Friday. The astounding size and structural achievement of the bridge was stressed as well as the technical phase of its construction.

Diagrammatic material supplemented the movies in presenting the scientific achievements. The construction was followed from the sinking of the piers to the laying of the cement road bed. Prefacing the actual subject matter was a biography of the Roebing organization, which has been intimately connected with bridge construction.

Pi Tau Sigma Men to Motor to Convention

Six members of the Armour Delta Chapter of Pi Tau Sigma, the honorary mechanical engineering fraternity, will attend the national convention of the Society which will be held at the Drexel Institute of Technology and Lehigh University, November 18, 19, and 20.

The men who will participate in the convention are C. K. Nauman, official delegate; L. I. Thomas; H. B. Nicholas, A. Neuert, J. Prochaska, and A. N. Schrieber. The party will leave Armour Wednesday, November 17, and will proceed by automobile to the Drexel Institute in Philadelphia where the first portion of the convention will be held. The convention will then move to Lehigh University, located approximately five miles away in Bethlehem, Pennsylvania, where the remainder of the convention will be held.

Sixteen Brains Study Practical Psychology

The study of psychology has attracted sixteen of Armour's "brains" to Mrs. Orcutt's new two day a week class. Originally over twice that number signed up for the class, but only the sixteen could find a place for it in their programs although several others are reading and studying outside of class under Mrs. Orcutt's guidance.

Why are they studying psychology? Those taking the course have said that they want to use it to help make and keep friends and to find out about themselves, their own habits, faults, and the why and wherefore of their own actions. Some expect to get married and want the psychology to make their married life a happy one, and some, probably the same ones, want to study psychology in order to raise their children correctly and give them the benefit of their father's college psychology course.

At present the class is wading through fundamentals, but in a few weeks material of a more practical nature will be studied. At that time it is possible that the friends of those taking the course will become guinea pigs as the material will be applicable to them and the students will be anxious to try their new power.

Riesz and Gerber Receive Awards

Dr. Gustav Egloff, director of research for the Universal Oil Products Company, has announced the establishment of graduate fellowships in the chemical engineering department, on a yearly basis, to carry a stipend of \$600 and tuition. Research in catalysis will be done by the appointees under the direction of Professor V. I. Komarewsky in the catalytic laboratory on the fourth floor of the main building.

To Do Catalysis Research
The particular recipients of the fellowship have been selected by Professor Komarewsky. They are: Charles Riesz, Armour '35, and Norton Gerber, Armour '37. Mr. Gerber will carry on work leading toward a master's degree, while Mr. Riesz will pursue research toward a doctorate.

The investigations carried out in the catalytic laboratory at Armour are highly interesting, as well as extremely important industrially, since they are a part of nationwide research leading toward the improvement of high grade gasolines for aviation and other purposes, and the better utilization of waste natural gas for the production of gasoline.

Papers Presented to A. I. Ch. E.
The particular problems under Professor Komarewsky's direction are: alkylolation with hydrogenation catalysts, and the aromatization of octane and decane.

Papers on these topics were presented recently at the meeting of the American Chemical Society at Rochester.

A.S.M.E. Plans Trip to Nash Motor Plant

All phases of automobile construction work will be viewed by the Armour members of the A. S. M. E., tomorrow, when the society will conduct an inspection trip through the Kenosha plant of the Nash Motor Car Company.

The trip will be open to all junior and senior members of the society. Sophomores are not advised to attend as similar trips are held every year and the size of the group is limited. Stephen Gryglas, A. S. M. E. inspection trip chairman, is in charge of the visit.

Transportation to the plant is to be by private automobiles, and those who wish to secure places will be assisted by a committee composed of I. M. Footlik and N. D. Rice, juniors; and E. W. Menke and E. F. Sipp, seniors.

A speaker will preview the high lights of the plant, just previous to the beginning of the trip. These arrangements were necessary because the activity of the plant, in the production of a new line of automobiles, would not permit the appearance of a speaker at the school.

A.I.Ch.E. Chapter to Visit National Student Meeting

On Monday and Tuesday, November 15 and 16, the National Student Meeting of the A.I.Ch.E. will be held at St. Louis, Missouri, a point which will give students at Armour and other midwestern colleges for the first time an opportunity to attend with a minimum of inconvenience and expense. For this gathering, the program has been planned to emphasize certain points which cannot be adequately handled in the college class room or laboratory.

Reasonable Rates

The total cost of the two days' activities, including registration, transportation on inspection trips, and two meals will be \$3.50. Tickets for individual events will also be available. Overnight accommodations at the Kingsway Hotel, where many of the features of the meeting will be held are available at daily rates of \$2.00 for single rooms, \$3.00 for double rooms, and two room suites with bath for \$6.00.

The program will begin on Monday morning with a visit to the Monsanto Chemical Company's new pilot plant. Here the student members will see the operation of various essential steps between laboratory and full scale operation. Following this trip, a dinner will be held at the hotel, with Dr. Harry A. Curtis, Chief Chemical Engineer of the T. V. A. as main speaker.

Will Visit Anheuser-Busch

On Tuesday morning the students will receive an entirely different type of instruction at Anheuser-Busch, Inc., where they will see an old time product made in a modernized plant. A group luncheon will be held in the afternoon and will be followed by an address "How Can a Chemical Engineer Develop Professionally?" by Dr. Albert E. Marshall, past president and chairman.

'Where the Cross is Made' To Be Staged Next Week

Under the guidance of Professor Homer Combs, the new Players will present their first play of this semester, "Where the Cross is Made," next week.

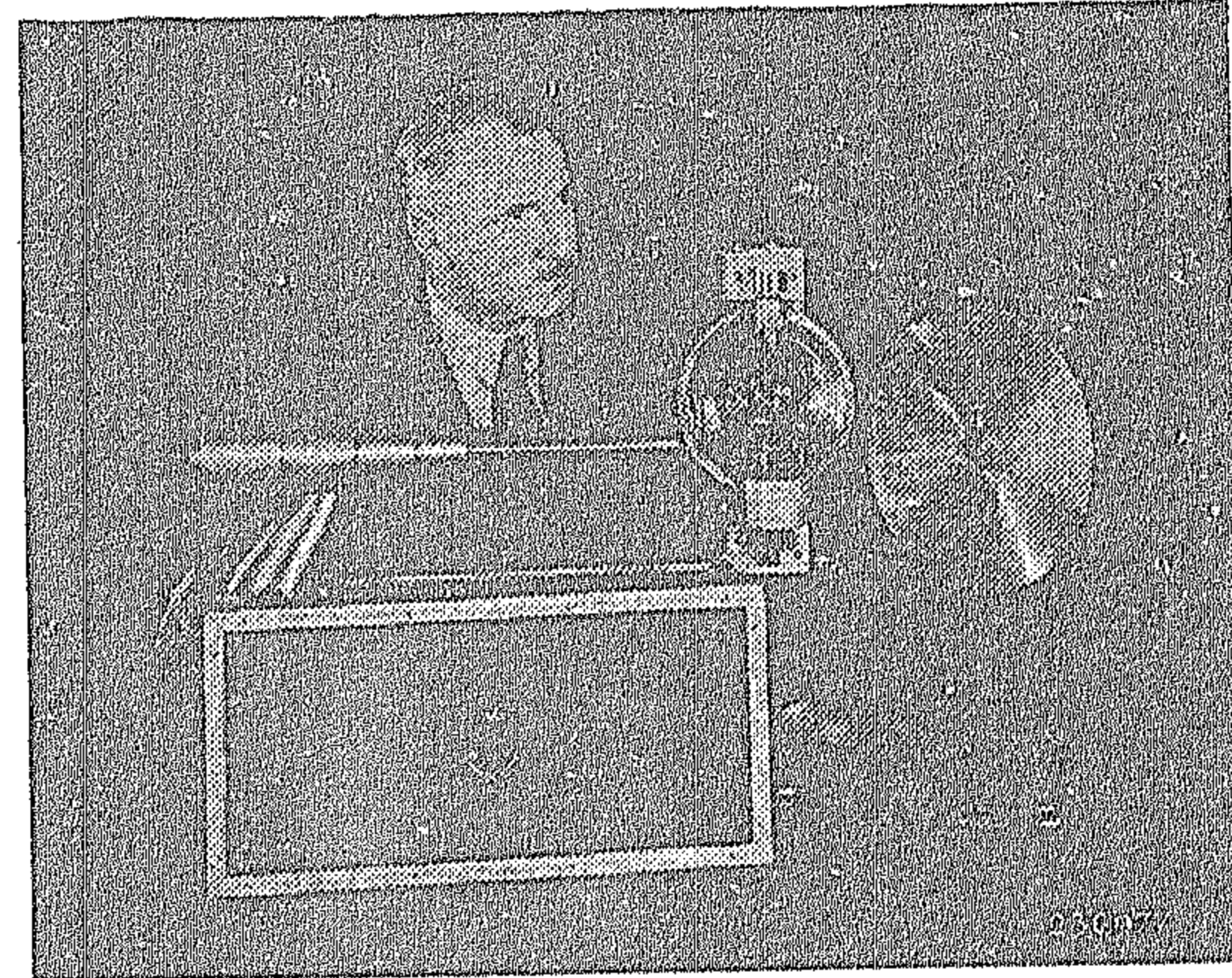
Professor Combs announced last week that the lone feminine role in Eugene O'Neill's play has been filled. His selection, Miss Mary Russo, is already well known to many students here at Armour.

Miss Russo appeared some time ago in a number of Guild successes. She probably will be best remembered by her excellent portrayals in "The Red Robe," and "Waiting for Lefty."

Appointments to Be Made For A.I.E.E. Committees

Committee appointments for the coming year are to be announced at the A. I. E. E. business meeting scheduled for Friday at 10:30 in the electrical lecture room. Positions on the social, program and technical papers committees will be filled at that time. Final preparations for the coming smoker will also be made.

The technical papers committee to be appointed functions as a judge of papers submitted by students. The papers describe the students' contact with a unique problem or phase of electrical engineering. Papers selected by the committee are presented at A. I. E. E. meetings.



"STOPS" PROJECTILE—Instantaneous in action, the ignitron tube flashes the moment a projectile passes in front of it, thus making it possible to see action ordinarily too swift for human eyes. The devices in the picture are a compressed air gun, the ignitron tube and a target used by Dr. Phillips Thomas, Westinghouse research engineer, in his lecture-demonstration "ADVENTURES IN ELECTRICITY," that shows recent important developments of electrical engineering laboratories.

Foundations of White House Quiver As Anarchism Breaks Out at Armour

By R. Perry

Certain signposts invariably point the way when an organization takes the winding bosky path brinking on the noisome pit of anarchy. Be it a nation, village or school, there are certain seemingly mild situations that occur prefacing the final headlong plunge.

Not Initiated Yet?

Now, to the uninitiated these incidents may be regarded as the carefree pranks of students bent on amusement but, on analysis, certain aspects of the initial act rise to the surface and reveal to the awestruck gaze of the populace at large the menacing black shade of anarchy.

Kent Tenth Speaker on Armour Program

Television was discussed by Mr. Earle L. Kent, instructor in electrical engineering, last Saturday on the tenth and last program of the WCFL radio series on applied science sponsored by Armour Institute through the cooperation of the Adult Education Council of Chicago. This program, as well as the others in the series, was presented at 7.30 p. m. under the direction of Mr. Alexander Schreiber.

Mr. Kent explained how television is designed to transmit, by means of electrical impulses, reflected light of varying intensities through the air channels and then reconstruct those electrical impulses into a pattern which is again discernible to the eye.

To change light waves to electrical impulses, the television engineer has incorporated the principle of the photo-electric cell, with small sections of the image exposed to the cell at a time. The process must be carried out quickly in order that the persistence of vision of the observer will make it appear that the entire picture is constantly present.

Mr. Kent explained the use of the iconoscope as the modern development of the electric eye for transmission, and the elimination of mechanical scanning by the use of the cathode ray tube for receiving.

Night and Day Divisions To Hold Joint Assembly

Dr. P. Thomas of Westinghouse to Present Lecture 'Adventures in Electricity' Next Saturday Afternoon

Dr. Phillips Thomas, research engineer of the Westinghouse Laboratories, will present a lecture-demonstration next Saturday afternoon at 2:30 in the Assembly hall for both evening and day divisions of Armour Institute. This will be the first project planned for both divisions of the school and has been arranged by Dr. B. B. Freud, Dean of the evening division and Professor D. P. Moreton.

Recent achievements in engineering which are producing a continuous evolution within the industrial world will be discussed by Dr. Thomas in his talk entitled "Adventures in Electricity." Specially designed apparatus valued at more than \$10,000 will be demonstrated by the speaker in conjunction with his lecture.

Electrical Contributions

The equipment will exhibit a wide variety of feats, including the almost 100 per cent purification of air electrostatically, the examination of rapidly rotating parts of machinery with a stroboscope, the study of non-recurrent mechanical motions of great velocity by the use of an ignition tube, and uses and effects of infrared rays. The world's most powerful magnet which can lift twenty times its own weight, a model transmission line, the new extreme sensitive Knowles tube light relay, and a vacuum tube synchronizing relay will also be demonstrated.

Dr. Thomas has been with the Westinghouse Research Laboratories for more than twenty-five years and has made notable engineering contributions in the fields of radio and electricity. He spent his undergraduate days at Ohio State University and received his Doctorate from Princeton University.

Get Tickets From Registrar

Among the more important development work done by Dr. Thomas are the ultra-audible and glow-discharge microphones, applications of the "Electric Eye," and electro-static condensers for power purposes. At present he is touring the United States giving lectures.

This all-institute project is part of a movement to integrate the evening division more completely with the day division. Admission to the lecture will be by ticket and these may be secured in the Registrar's Office. Since the talk will have both popular and technical appeal, the lecture has been made public and tickets may be obtained for outside guests.

New Social Science Subjects Studied by Night School Classes

Time and motion engineering, and plant engineering and maintenance, are new subjects now being offered to students attending Armour's evening school. As announced by Professor H. P. Dutton, the classes will meet every Friday evening from 7:30 to 9:30.

M. Wiberg to Instruct Class

Mr. Martin Wiberg, who has had much practical experience in the printing trade, is to be the instructor of about twenty men in the time study class. The class will analyze the motion picture industry and its relation to time. Instruction will cover the use of the stop watch and elementary time setting. Men who have this knowledge of improving time and increasing production are usually quickly absorbed by industry.

To Present More Subjects

Plant engineering and maintenance, another subject introduced by the social science department, will be conducted by Mr. Frederick Oakhill, plant engineer for the Bauer and Black Division of the Kendall Company. The subject will be given on the order of the conference course.

Mr. Oakhill is president of the Chicago Division of the Society for the Advancement of Industrial Management and has had many years practical experience.

Civil Engineering Museum To Be Built in Chapin Hall

Professor Wells is developing a museum on the third floor of Chapin Hall to be used as a display room for civil engineering. The room for the museum is at present being reconstructed, and will be completed this fall.

Some of the exhibits will be a structural section exhibit furnished by Inland Steel, a structural wood joint exhibit, a reinforced concrete exhibit, an exhibit showing structural failures in steel, concrete, and wood, and an exhibit of structural parts of airplanes.

Temporarily these rooms will also be used as a meeting place for the W. S. E.

SPHINX

March 4th, 1907, saw the installation of the second honorary society at Armour Tech. On this date a group of the executive staff members of the Fulcrum and the Integral formed what is known as Sphinx. As outlined by H. Ralph Badger, founder and first president of Sphinx, the fraternity was formed for the purpose of fostering and promoting publication work and to serve as an honor society for services rendered to the Institute through its publications.

Publications existing at Armour at the time of the founding of Sphinx were the "Fulcrum," a monthly publication, and the "Integral," the college annual. In 1909, the "Armour Engineer" was established through the work of Sphinx. Six years later, in 1915, it was found advisable to discontinue the "Fulcrum" because of the overlapping material of the "Armour Engineer."

In 1913 the name of the college annual, the "Cycle" was adopted instead of the former title, the "Integral." Twelve years later the entire management of the "Cycle" was revised by the initiative of Sphinx.

February 28, 1928, Sphinx passed a resolution that there should be established at Armour a weekly or bi-weekly newspaper. This proposal was backed by an appropriation of forty-five dollars to cover the expense of the first issue of the paper.

Thus the story of Sphinx and the publications is synonymous. Senior and junior students who hold a position on the staff of recognized publications and who have performed meritorious service are eligible to membership. The pledge ribbon is black and yellow.

Distracted Thoughts, or Campus Ramblings

Last week's editorial on the new civil engineering department "lounge" seems to have been somewhat in error, for the space is a museum to be used as a display room for structural exhibits. The room will also be used temporarily as a meeting place for the W.S.E.

So the problem of a lounge for students is no nearer solution than before. It has been suggested that the whole of Armour Mission be converted into lounge and luncheon space for students. Such a move would be met by opposition from no one, were it not for the incidental problems brought up.

One problem which can not be ignored is the cost of providing even a passable remodeling. It has been estimated that the cost would be at least \$25,000.

Another difficulty is the re-location of the civil drafting room and other classrooms in the building. The drafting room can not be moved to the fourth floor of Chapin Hall because of Building Code regulations which demand wider stairs in order that classrooms be located on the upper stories.

Next week the NEWS will launch a campaign which it hopes will be carried on to the alumni by the ENGINEER AND ALUMNUS. Student enthusiasm will be sounded by willingness to support financially a subscription drive.

Next Saturday afternoon the first joint assembly of the evening and day school divisions will be

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held. The speaker should be interesting and the purpose deserves our support . . .

A student letter written by two men admittedly in the sophomore political coup appears in the adjoining column. However serious the problem may seem, we are sure that the dictatorship will not have dissenters shot at dawn.

Spring weather last week drew the fighting spirit out when some enterprising sophomores depantsed negligent freshmen and when the more subtle removed would-be mustaches. Supposedly, depanting is obsolete by order of the Dean. A victim of the subtle ones comments in a front page feature on the rabble's hate of the individualist.

Several times, the NEWS editorial board has been classed as conservative. To the dictionary meaning, we might describe a conservative as one who thinks before writing and then thinks a little more before putting his thoughts in print.

It Was a Farce

As participants in the recent sophomore elections, we feel qualified to voice opinions which are held by others in the class of '40. Briefly, the elections were mere farces. Casting no aspersions on the newly elected officers, it can be safely said that the most voters were influenced in making selections without thought as to the candidates' ability, intelligence, and personality. The blame for this situation cannot be laid at any particular door, since all "factions" were guilty.

The so-called "hostilities" between fraternity and non-fraternity men, between rival fraternities, and even clashes in the departments were among the high lights of last week. Now, it is generally believed that a college sophomore should be able to think with tolerance, without prejudice, and with an eye toward real value. Instead, friends were converted into enemies, the names of good men were slandered, departments were pitted against departments, until a distinctly unwholesome situation was evolved.

The election is now a part of the past. Let us forget it completely! We, a fraternity and non-fraternity man belonging to different departments, appeal to the class as a whole to discard their petty differences, to acquire a little tolerance, and to be worthy college men. If this is done, the class of '40 will gain immeasurably in prestige and good will.

B. R. Sternfeld
J. R. Meyer

Library Courtesy

As an arrival to Armour this semester from another college, the writer has been struck by the fact that there is an almost complete lack of library courtesy.

This is an engineering school of highest degree, with students who want to concentrate, so it is strange that men who are preparing for one of the hardest careers should have so little regard for "the other fellow." Students should come to the library to avail themselves of the thousands of fine books and periodicals, or to study.

WHY is it that a large percentage of the students come to this room, where silence should be observed, with the intent of talking over last night's big doings, or to slam their books on the table where other students are trying to study, jostle the table, shove others' books, and in various ways be discourteous and an ANNOYANCE to other fellows?

A. H.

Fraternity Notes

Clean up and decoration in the morning and a Hal-lowe'en dance in the evening was the general program for last Saturday at the fraternities. Some of the houses are planning costume affairs, and others are making the dance a pledge dance.

Sigma Alpha Mu is planning a dance for the pledges for Saturday night, November 13. Bob Abrahamson, who is in charge of the affair, promises a novel program.

Triangle announces the initiation of James Wideman, Co-op. '40, and Thomas Green, Ch. E. '38; Rho Delta Rho the initiation of Jack Cohen, Leon Epstein, Joe Heller, Louis Jacobs, Julius Mirotnic, and Sam Spencer; and Pi Kappa Phi the initiation of two former Beta Psi men, W. Mullins and J. Huellert. The Triangle initiation banquet was held at the Bismarck, where Brother Weiss in particular enjoyed the Walnut Room floor show.

Mothers' clubs are becoming active again at many of the fraternities. The Pi Kappa Phi mothers' club enjoyed a tour through the Campbell Soup company plant last Monday and their mothers and fathers' club held a tea on Sunday. The Phi Pi Phi mothers' club had a meeting last Friday and planned a tea for the mothers of the pledges for next Sunday afternoon.

Pledge activities are "banging" right along at the different houses, to use a term of the T X scribe. It is reported that the cooperages in the vicinity have discontinued putting hoops around their staves, other uses having been found for the staves.

The touchball elimination tournament has got under way, Rho Delta Rho's strong men having defeated Phi Kappa Sigma in a twilight game, and with Sigma Alpha Mu taking Theta Xi. Phi Pi Phi and Pi Kappa Phi tangled last night, leaving the Delta Tau Delta-Triangle game to be played.

The Armour chapter of Triangle points with pride to the late heroism of Howard R. Coyle so aptly displayed in the recent catastrophe in the "P" chem lab. It seems that there was a fire. Coyle dashed to the fire extinguisher box and smote the glass right lustily with the instrument therefore provided. This proving of no avail, our hero bludgeoned it with his clenched fist, the glass broke, and the fist suffered minor abrasions. Grabbing the fire extinguisher, the wounded hero dashed to the scene of combustion. Luckily, the fire had already died out for lack of fuel since the extinguisher failed to function.

The Slipstick

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

A few weeks ago this column announced a contest offering a position on the slipstick staff to the winner. After reading some of the entries things looked so bad that we were forced to put Eejay back to work. After reading Eejay, the taste of tar covered with mustard parched our palate, so . . . we once more reincarnate that piece of wit, Zazu who is me. For the sake of argument I will give you a few of the jokes taken from the entries and, thus, justify my re-employment.

A more rustic hopeful threw us this bit of slime.

Frosh (to Soph)—Hello, old pal, how do you find it here?

Soph—Walk right downstairs and then two doors to the right.

To be even more obnoxious, one soph chemical included this little, jingle in his column, (frosh—please do not read it. It is unclear.)

Mary had a little lamu,
Boy, was the doctor surprised.

Phoney Phonetics: Effervescent enuf covers on the bed, your fiddlesticks out.

So you see, dear reader, why Eejay and I are back again. Our policy will be,

Not to use joke books older than five years at least.

2. To make you laff. Ha . . .

3. To take the freshman minds out of the filth and make them conscious of the existence of clean, wholesome, good humor.

4. To make you laff. Ha . . .

5. To answer any question of importance that may puzzle you. Drop it in the News Box in the Main Lobby.

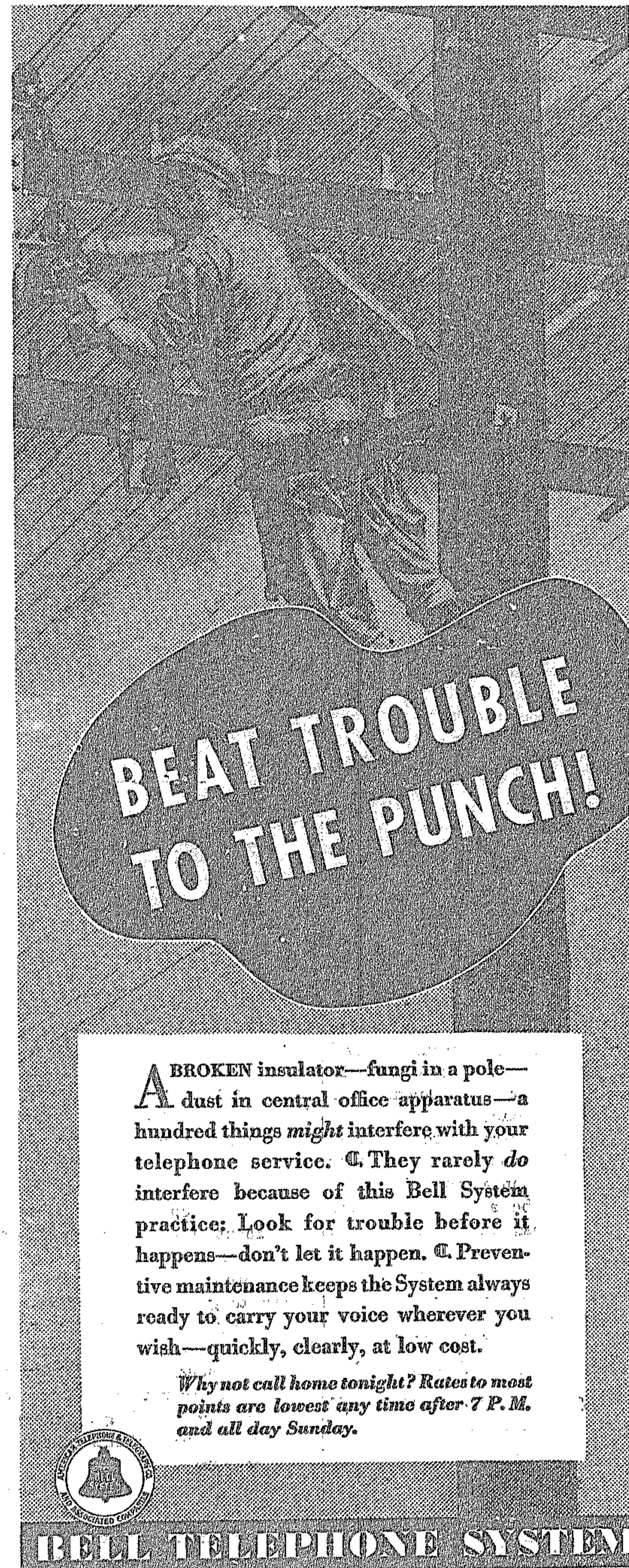
6. To make you laff. Ha . . .

So you see, what we really want to do is make you laff. Before closing, let me give you a sample of what to expect from us.

He: Who was that lady I saw you with last night?

Other He: That was no lady, that was my wife.

That is good, clean, wholesome humor. So now I close the column to go hide in some dark closet and read those censored jokes from the "contribs." They're the stuff, especially the one about the traveling salesman. . . . ZAZU



BEAT TROUBLE TO THE PUNCH!

A BROKEN insulator—fungi in a pole—dust in central office apparatus—a hundred things *might* interfere with your telephone service. **They rarely do** interfere because of this Bell System practice: Look for trouble before it happens—don't let it happen. **Preventive maintenance keeps the System always ready to carry your voice wherever you wish—quickly, clearly, at low cost.**

Why not call home tonight? Rates to most points are lowest any time after 7 P. M. and all day Sunday.

BELL TELEPHONE SYSTEM



OLD JUDGE ROBBINS
IN CALIFORNIA

AH, THERE, CHARLES, BUYING A NEW PIPE?

NOT ONLY THAT, JUDGE, BUT MY FIRST PIPE, AND I'M GETTING AN INEXPENSIVE CORN-COB IF I DON'T MAKE A GO OF PIPE SMOKING I WON'T BE OUT MUCH. WHAT TOBACCO WOULD YOU RECOMMEND SIR?

THAT'S EASY, SON—THE SUREST GUARANTEE OF A THOROUGHLY SATISFYING SMOKE IS PRINCE ALBERT. I THINK THE PROPRIETOR WILL AGREE TO THAT.

IS IT REALLY SO GOOD?

THE JUDGE IS RIGHT—RUNNING A STORE IN AN AUTO CAMP AS I DO, I SELL TOBACCO TO MOTORISTS FROM 48 STATES, AND PRINCE ALBERT IS MY LARGEST-SELLING BRAND.

I'LL TRY A TIN!

GOSH, IF I'D KNOWN PRINCE ALBERT WAS THIS MILD AND GOOD-TASTING I'D HAVE GOT IN ON IT LONG AGO.

IF EVERY PIPE-SMOKER WOULD START WITH PRINCE ALBERT, BE A LOT MORE STEADY PIPE-SMOKERS IN THIS WORLD.

REMEMBER—YOU'RE SMOKING A PIPE FOR PLEASURE. NATURALLY, YOU WANT THE EXTRA ENJOYMENT OF PRINCE ALBERT'S NO-BITE MILDNESS AND FULL, RICH TASTE

SMOKE 20 FRAGRANT PIPEFULS of Prince Albert. If you don't find it the mellowest, tastiest pipe tobacco you ever smoked, return the pocket tin with the rest of the tobacco in it to us at any time within a month from this date, and we will refund full purchase price, plus postage. (Signed) R. J. Reynolds Tobacco Co., Winston-Salem, N.C.

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PRINCE ALBERT THE NATIONAL PIPE-SMOKER

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

Sophs, Freshmen Open Class Cage Warfare Today

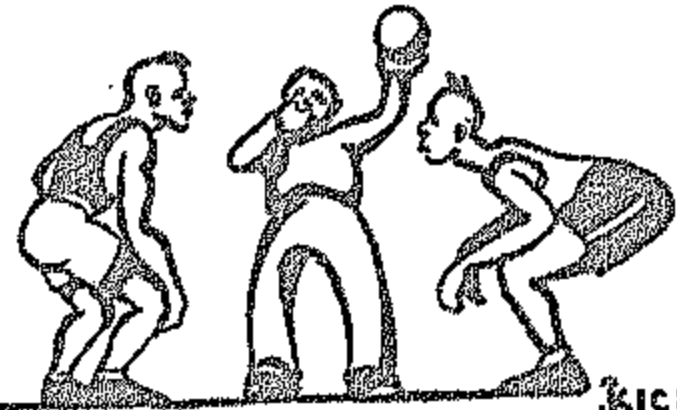
Sophs Will Challenge With Runner-up Squad

FINALS FRIDAY

Keeping intramural sports in a whirl of action, the inter-class cagers will see action today. The frosh team will clash with their traditional rivals, the sophs, this afternoon and the juniors will meet the seniors tomorrow afternoon. The winners of these two games will meet Friday in a play off for the championship.

Frosh Practice Friday

The class of '41 met last Friday in a practice session with a turnout of exactly five. All members of the freshman class who have had some basketball experience are urged to come out today as five men are hardly a team. The tentative line-up for the frosh will find Shapiro at center with Fisher and Falk as forwards and Matthews and Whitehead in the guarding position. Whitehead is a prep letterman with considerable experience and should prove the mainstay of the team.



KICH-

The sophomores turned out in a large squad Thursday in preparation for their bid at the championship. Eggers, Jaedtko, Pincus, prep lettermen, along with Fahey, Natinchek and Kahl should make a strong bid for the title. The sophomores were runners-up in last year's tourney, having lost to the seniors in the last minute of play.

Juniors and Seniors Strong

The strength of the juniors will be found in Carlson, Ratto, and Rothenberg. The junior squad will be



About two weeks ago we'd have ventured a prophecy as to the touchball winner, but after the upsets and whatnots that have come forward in the past weeks, it looks as if anybody can win the tourney.

Five more teams passed from the tournament last week, leaving thirteen teams remaining, but this should be depleted appreciably during the coming week because, of the thirteen teams remaining, nine of them have already tasted defeat.

At the present time the junior chems are on the top of the heap, and a glance at the schedule shows that from all indications they should be there at the end of the week.

The senior F.P.E.'s are getting another crack at the co-ops, this time the B team, they having had a great time at the expense of the A team last week, and also will have another chance to do battle with the senior chems.

According to our predictions about seven teams should leave the tourney this week—we'd tell you who they are but we don't want to say too much. If we were a little optimistic the finals may get under way next week.

For the second straight week no games have been played in the tennis tourney, but the past week's inactivity was not due to the players, only to the fact that the ground-keeper couldn't find time to re-condition the courts. At this rate they ought to get no place faster than they originally expected.

Under the direction of Swanson. The seniors, under the tutoring of Bill O'Brien, turned out a large squad for their warm-up session.

Last year's tourney was won by the senior cagers, who defeated a scrappy freshmen team 13 to 11.

Thirteen Teams Invade Fourth Week of Touchball; Four Remain Undefeated

The high-scoring senior chemicals were held to a 6-3 tie last Tuesday morning by the senior fire protects, both teams talking a good battle.

The schmiers scored first as one of their many completed passes came with Deuter snagging the ball behind the goal. This seemed to infuriate the red wagon men, who soon traveled from near the east goal to behind the west marker in three successive passes, the last being from Sheehan to Dunbar.

After the scoring was over, the debate proper began when one chem receiver fumbled the oval and another caught it off his hands. This was not allowed. Soon after, a pass from the chemicals was fumbled by a fire protect and also caught by another fire protect in the air. This was somewhat different from the other caught fumble, as the fire protect debaters pointed out after running over to the Main building after exhibit A, the rules. Rules notwithstanding, the schmiers threatened to quit or something, so the fire protects gave in.

In desperation, the chemicals tried their prize sneaker play which involves a juggling of substitutes and sidelines, but the referee called time just before the ball was snapped, in order to get something straight, and thus invalidated their touchdown. Of course this was the signal for the rebuttal, and the chemicals displayed their fine, extemporaneous powers, but to no avail as the game ended in a tie.

M. E. '39 Has Last Minute Win

Upsetting the junior civils who had held a 6-0 lead throughout the entire game, the junior mechs scored a touchdown on the next to the last play and closed the game with the extra point and the winning tally, to eliminate the former 7-6.

The civils took the lead early in the game by completing a long pass into the end zone. When the try for extra points failed the civils resigned themselves to holding back the threats of the mechanicals. They held throughout all but the last few minutes of play.

Clark faded back and heaved a long pass from mid-field. Ephriam, surrounded by several burly civils, snatched the ball from the surrounding atmosphere over the end zone to tie up the score. A short pass from Laskar to Biddle gave the mechs the seven to six advantage as the whistle blew.

Austinites Upset Soph Chems

In one of the prize upsets of the week, the Austinites humbled their upperclassmen, the soph chems, by coming from behind in the second half to make three touchdowns and win 19 to 14, and give the soph chems their first defeat.

All of the scoring was done in the second half, first by the sophs and then by the frosh. Fahey, taking a fast pass chalked up the first score for the sophs, and a pass from Carpenter to the former added the extra point. A fast breaking play, featuring a pass from Norkus to Natinchek, added six more points to the soph's score, and a pass from Norkus to Fahey made the tally 14 to 0.

Suddenly the frosh awoke and on the first play after the kickoff, a pass from Klemchuk brought the ball to the two yard line, where a flat pass to Doolittle in the end zone put them into the scoring column. Completing another pass from Klemchuk to Franzene the frosh made the extra point. This proved to be only the beginning since a few minutes later Doolittle took a soph kick and ran it down the sidelines for another touchdown, but when the point after touchdown failed they were still behind 14 to 13.

The soph's lead was short-lived, however, because the frosh received the kickoff and ran it back to the soph two yard line to threaten the soph goal, and a moment later clicked off for the winning touchdown on a long pass, from Klemchuk to Franzene, moving the score to its final resting place at 19 to 14.

Sr. Civils Win 13-0

By shutting out their classmates the senior electricals 13 to 0, the senior civils chalked up their second victory and also succeeded in boosting

the former out of the tourney.

Neither team was able to score in the first half, the only excitement coming when Heideman intercepted a civil pass and commenced to streak for his own goal line. He stopped about five yards short of his objective and thereby failed to break into the scoring column.

About the middle of the second half the civils entered the scoring when they completed a long pass from Braun to Machulis in the end zone. Their point after touchdown failed and they went into the lead six to nothing. On the following kickoff by the electricals the civils, stalling for time went into a series of runs, only to pull a long pass on the last down, from Braun to Machulis again, for their second score. This time they succeeded in putting over their extra point on a pass to Monson. With about three minutes left to play the electricals tried vainly to score, but were still trying vainly when the end of the game came.

Jr. Chems. Rout Co-op. B 26-0

Demonstrating their superiority throughout the entire game, the junior chems trampled down the co-op B team, 26-0, by scoring freely in the second half after failing to show the scoring punch until the closing minutes of the first half.

The chems made the first scoring threat of the game, only to be stopped on the goal line by a determined co-op team. With Kruse leading the way by intercepting all of the co-op passes, the chems twice advanced to the goal line, but were unable to push the ball over. In the last two minutes of the half, Rothenberg finally broke the tie score with a pass to Kruse for the initial six points of the game, and a completed pass to Lyckberg added the point after touchdown.

The juniors really gave the co-ops the works in the second half. Two minutes after receiving the opening kickoff, the Chems tallied on a pass, Adesko to Kruse, but the conversion failed. The Ch. E. again received

Continued on page four

TOUCHBALL STANDINGS				
	W.	L.	T.T.P.	O.P.
Jr. Chems	4	0	1	46
Sr. Chems	3	0	1	75
Sr. Fire				
Protects	3	0	1	44
Soph Mechs	1	0	0	0
Sr. Civils	3	1	0	43
Soph Chems	3	1	2	64
Sr. Mechs	2	1	1	49
Austinites	1	1	0	19
Jr. Mechs	1	1	0	7
Flying Skulls	1	1	0	0
Soph Civils	0	1	1	6
Co-op A	0	1	0	6
Co-op B	0	1	0	0

WEEK'S SCHEDULE

Tuesday—	1:10 Austinites—C. E. '40.
2:10 Flying Skulls—C. E. '38.	
Wednesday—	8:30 Ch. E. '39—Co-op A.
10:30 Co-op B—F. P. E. '38.	
Thursday—	9:30—F. P. E. '38—Ch. E. '38.
1:10 M. E. '39—Ch. E. '39.	
2:10—C. E. '38—Austinites.	
Friday—	10:30 M. E. '40—M. E. '38.
2:10 Ch. E. '38—Ch. E. '40.	

Wrestlers to Open Season in December

Contacts for wrestling and boxing matches with other colleges thus far have resulted in one scheduled meet. It is the one with Culver on March 6. Other contacts have been made with Herzl, Wright, St. Viator and the University of Chicago Settlement House, the first meet falling near the first week in December. The wrestling team has a two meet series with last year's Little Nineteen Champions, Wheaton, for the second week in December and the second week in February.

The school boxing tourney will get under way in the latter part of November, and all students interested may use all available boxing equipment for training.

Coach Weissman issues an urgent call for all small men interested in boxing to report to the gym, because men are badly needed in the lighter weight divisions, especially 118 and 125 pounds.

Rho Delts and Sammys Victors

While the spotlight of Tech sports is focused on the inter-departmental touchball games, the fraternities also are vying with one another for pigskin honors. Two games have already been played at this writing, and two more will be played this week. One loss eliminates a team from this tournament, thus insuring a conclusion of the contest before a blanket of snow has been gently laid over Ogden Field.

Rho Delts Victors 14-0

The Phi Kaps were the first victims to fall under the hatchet, said hatchet being wielded by the Rho Delts, who under the able leadership of Seidenberg piled up a 14-0 win. The first touchdown came early in the game when Pincus snared a long pass back against the fence. This completed the scoring for the first half, both teams being very good on pass defenses. In the second half the Rho Delts changed their tactics, using running plays mostly, one of which saw Seidenberg streak over the goal line. Although they failed to make either of their two points after touchdown, the Rho Delts made up the difference when a Phi Kap passer was caught behind his own goal.

In the other fraternity game the Sammys stopped Theta Xi, six to nothing, on a long pass from Rodkin to Fisher who hauled the ball down in the end zone.

Theta Xi Stopped 6-0

S.A.M., a short and light team, relied mostly on speed to get away from the taller and heavier Theta Xi men. The latter playing from a close formation made most of their gains on sweeping end runs, while Sigma Alpha Mu featured a more wide open game, long passes furnishing their chief offensive weapon.

Theta Xi's only scoring threat was foiled when a pass from the five yard line was intercepted in the end zone for a touchback. Most of the playing was done in former's territory, but they managed to keep the goal line clear with the exception of the pass to Fisher for the winning tally.



JOE VOLLMER, graduate student: "After long hours of concentrating—or at any other time when I feel tired—I get a mighty welcome 'lift' in energy with a Camel."



EVELYN CHANDLER, figure skater: "What an asset good digestion is! I smoke Camels during meals and after. They do help to keep my digestion in order."



GENE SARAZEN, golf champion: "I've walked, I guess, thousands of miles around golf courses with Camels. They never throw my nerves out of tune."



MRS. JOHN W. ROCKEFELLER, JR., society aviatrix: "I prefer Camels. I smoke as many as I please—they don't get on my nerves."

CAN PEOPLE REALLY TELL THE DIFFERENCE IN CAMEL'S COSTLIER TOBACCOS?

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Camels are the Largest-Selling cigarette in America

Year in and year out, Camel pays millions more for finer tobaccos. And smokers do appreciate the added pleasure this means to them!

CAMEL'S use of choicer, costlier tobaccos has been the subject of much discussion. The question has often been raised as to whether or not people could tell the difference.

The way smokers feel gives the answer! Camels are

the largest-selling cigarette in America, and the world. If you are not a Camel smoker, perhaps you, too, would enjoy a cigarette with a richer, cooler taste. Turn, then, to Camels. Put them to the severest test—smoke them steadily. You'll realize how true it is that there is no substitute for costlier tobaccos.

THE CAMEL CARAVAN now on the air with a full-hour show!

Includes "Jack Oakie College" and Benny Goodman's "Swing School"! Sixty fast minutes of grand fun and music. Every Tuesday night at 9:30 pm E.S.T., 8:30 pm C.S.T., 7:30 pm M.S.T., 6:30 pm P.S.T., over WABC-Columbia Network.

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RAY WINTERS, radio announcer: "Camels suit me! And that goes for my throat especially. Can't remember when Camels ever scratched my throat."



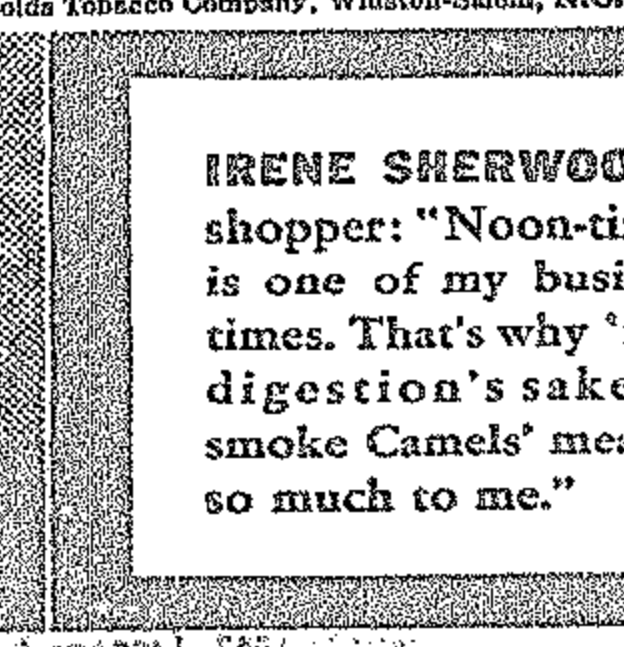
JOANNA DE TUSCAN—fencing champion: "I enjoy smoking—I find that with Camels I can smoke often. Camels don't give me ragged nerves."



FRED McDANIEL, Texas rancher: "Me and Camels have been getting along mighty fine for 15 years. I never saw the beat of Camels."



MRS. VINCENT MURRAY, home-maker: "Believe me, I appreciate how mild Camels are! I smoke steadily. Camels don't leave any 'cigarette' after-taste."



IRENE SHERWOOD, shopper: "Noon-time is one of my busiest times. That's why 'for digestion's sake'—smoke Camels' means so much to me."

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By Al. N. Schrieber

Automobiles

Last week the automobile industry stepped out in front with its annual Manhattan automobile show at the Grand Central Palace sponsored by the car manufacturers. Next week distributors will hold lesser shows in forty-four other U. S. cities. Volume of sales in 1938 is anticipated to be four and one half million cars (one half million less than 1937 sales.) Prices have increased about 10% although many of last year's extras are now included as standard equipment.

"This is the year in which engineers have endeavored further to refine and perfect fundamental principles only recently incorporated" is the summation of 1938 by Fred M. Zeder of Chrysler. No radical changes have taken place, and appearance will be smoother, more colorful, with more bright die-cast radiator grills, wider and longer bodies, and better quality interiors. Engines have been squeezed to the last ounce of economy.

A newcomer has entered the field. The American Bantam Car Company has taken over the ill-fated Austin plant and expects to produce 10,000 cars for the coming year, 60% trucks and 40% passenger models. The Bantam "60" measures 120 inches overall with four cylinders claimed to get 60 miles per gallon of gas, 60,000 miles per set of tires, and a maximum speed of 60 miles per hour.

Dealer competition will be much keener this year. It is expected that used car sales will be double the number of new cars. Automobiles and parts are now ranking as number one U. S. export and optimistic car makers are unanimously laughing at Wall street's talk of a coming major depression.

Stock Market

The stock market has, during the past month, gone through a declining period in the face of increasing production, profits, and dividends to stockholders. Many stocks are now selling at less than half of their price last spring.

No one seems quite able to understand the trend of the market. Fore-casters have continually predicted that this fall would see a general market rise. But now that the market is falling, a scapegoat is being sought, and many have been given an airing. Some forecasters believe that the war scare is causing large withdrawals of foreign investments from American markets with a resulting depressing effect. Others say the bankers have not expanded bank loans and investments to meet the current production, and this has resulted in a decrease in circulation of purchasing power, a consequent business decline, and a stock market slump.

The greatest number of cries have been hurled at the government. The government debt is steadily rising; that means more taxes and less profits. Also the government has not stopped meddling with private business, and several governmental agencies, notably the Security Exchange Commission (S. E. C.), have very powerful effects on the market. New rules recently set up by the S. E. C. raised the margin limits in stock speculation and this has driven many traders from the market.

Progress from Demolition
Subject of W.S.E. Lecture

Last Thursday evening the junior branch of the W.S.E. heard a lecture on "Demolition in Building Progress" by Samuel B. Bosley.

Mr. Bosley has been in the wrecking business for twenty-two years during which time he has had varied experience removing anything from a farmer's barn to a large part of the "Century of Progress" buildings.

The talk was based mainly on the fact that "demolition and progress go hand in hand." Mr. Bosley pointed out that by taking down and examining the structure and design of old buildings we are able to build better buildings in the future.

The lecture was attended by a large representation from Armour and many prominent members of the W.S.E.

Co-Op Code

By Sandy

The fifteen co-operative students working at the Chicago Screw Company have a class in cam design scheduled for Saturday, November 6. It may be all right as far as they are concerned but I for one sincerely hope that the company I work for doesn't take this school idea too much to heart.

* * *

Why the glasses, Booth. You didn't by any chance strain your eyes trying to shave around that microscopic lip adornment, or did you?

* * *

So until next issue, tooodle-oo. But in the meantime won't someone please do something that I could write about without being censored. Fischer won't you please go out and bite a dog. It's a change of diet, I know, but think of me, grin and bite it.

OTHER CAMPUSES

A most unusual school is the school of maturates in Oklahoma City. It is a co-educational institution specializing in teaching "little tots" over 70 years of age how to live to be one hundred.

* * *

"Two percent of the people do the thinking for the remaining 98 percent and you are a part of the 2 percent." Dr. William F. Quillian, Director of the General Board of Christian Education of the Methodist Church, South, flattered students at Birmingham Southern College. Evidently Dr. Quillian has never visited Armour.

* * *

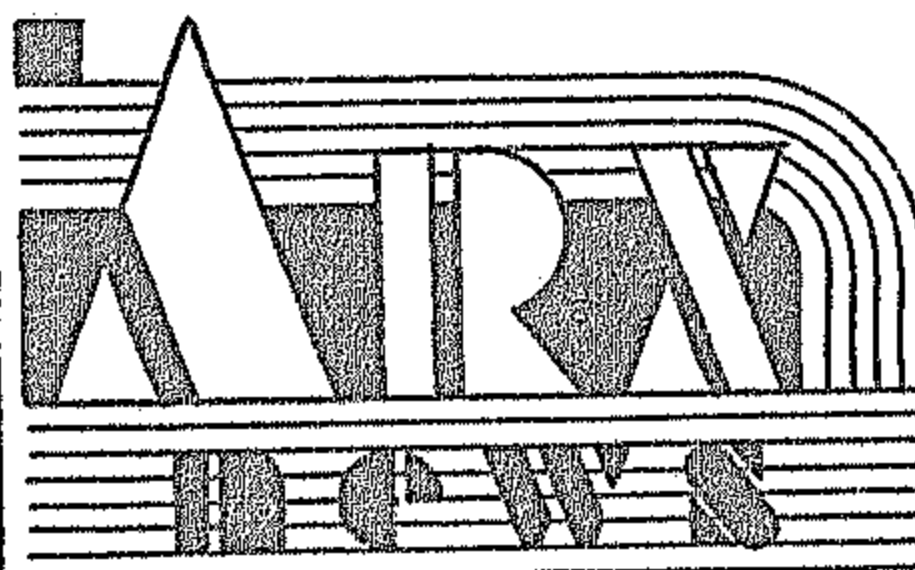
It seems that the best-seller at Texas Christian University is Emily Post's book on etiquette. Three copies have been worn out and the fourth is in shreds, according to the librarian, the most consistent users being boys. We'll have to ask Miss Steele about that.

Civil Engineering Students
from Kansas State College
Visit Armour Tech Plant

Forty senior civil engineering students from Kansas State College were the unofficial guests of the Institute last Thursday.

The group, headed by Professor Conrad of Kansas State's faculty, inspected parts of the Armour plant as a portion of a senior inspection tour of points of industrial and educational interest in Chicago. Although the visitors' arrival was unexpected, they were extended the hospitality of the Institute and were conducted through various departments by members of the Armour faculty and student body.

This group was a portion of the senior engineering department, making an annual inspection tour of Chicago which comprises a part of the curriculum at Kansas State College.



See that man over there? I mean that BIG one. He got a Second Medal. Isn't he good though! Hey, kin I have your autograph, please, Mr. Look! Johanson Boy, look what I've got. Now maybe I kin trade it for the autographs of those three M. C. men, Cunningham, Kliphardt, and Sumner. Ain't I lucky though?

SKETCH—LITWIN went to see one of Klip's plays and was telling Mrs. Saunders about the readhead in the play that they had gotten for a date with Johanson. The woman in front of them turned around and said that the girl was her daughter. Lit turned 45 colors and said a silent prayer. Is he glad that he didn't say more than he did.

(Adv.) Will the engineer who is wearing Blume's pants please return them. He doesn't like yours.

Have you a date for the Carrossel? ART GUM.

Students See Boulder
Dam Via Sound Movie

"The Boulder Dam", a sound motion picture, which showed vividly the immensity of the engineering feat undertaken in building the dam, was presented by the Armour Eye, last Wednesday. Immense as the dream that conceived it, Boulder Dam required a correspondingly large amount of work to build it. An entire town of workers was driven, in bus-loads of one thousand each, to the dam site daily.

The first task was diverting the river off its course to lay bare the river bed for the construction work. Accordingly, huge tunnels were dug through the canyon walls, by blasting millions of tons of rock every day, from their course. The tunnels were then lined with cement, and, when this had set, the dam that had separated them from the river was finally broken by a charge of dynamite; and the waters rushed furiously into them.

The Steam Shovel

Warning to Prof. Moreton's Secretary!

B. K. Brown—Boasts that he will date you when he discards his crutches. Why wait Ed? Better try the sympathy angle.

* * *

Jimmy Dunne has discovered a new classroom game. He eats grapes and tries to spit the seeds into the waste basket. After listening to Jimmy pound out the first two bars of the "Bucknell Blues" against the side of the basket, Prof. Kintner unceremoniously gave Pauline's James, the bounce.

* * *

CHUCK SELLEN, "God's gift to Alpha Chi Sigma," to quote Chuck Sellen, is taking lessons in making paper roses, daisies, et al. "They're really decorative," pleads Chuck, "and besides, if I make bouquets for the profs maybe I'll pass a few courses this semester."

TOUCHBALL—

Continued from page three

and scored in a hurry on a long pass from Rothenberg to Ryan, and the point after touchdown was made on a pass to Kruse, running the score up to 20-0. For the third successive time the Chems received and for the third successive time they scored. This time it was on a long run by Ryan and a touchdown pass, Adesko to Kruse. The point after touchdown failed, and the score went down at 26-0.

F. P. E. '38 Take Third Win

Riding roughshod over their co-op A opponents, the senior F.P.E.'s scored three touchdowns and won 20-6. The co-op group was playing its first game, and although the individual players were good, they were not organized. On the other hand, the seniors were playing their fourth game and were able to indulge in a bit of practice.

One of the plays tried in this tilt worked perfectly for a touchdown, McIntyre catching the pill behind his left knee with none of the co-ops around to molest him.

Soph Actuarials Ousted 12-6

Chalking up their second victory of the week the senior civils eliminated the soph fire protects last Wednesday 12 to 6.

The civils first touchdown came as a sort of a gift when a fire protect obligingly fumbled the ball behind his own goal line, only to be recovered by Zar of the civils. During the rest of the half the ball went back and forth, but neither side did any goal-crossing.

In the second half the seniors added six more points to their side of the column when a long pass, Braun to Machulis clicked, but again no extra point materialized and the civils took a 12 to 0 lead. Toward the end of the second half the sophs began to click on passes from Downing to Eggers. Bringing the ball into scoring territory, the sophs finally scored when Eggers pulled a pass from Downing out of Machulis's hands and dropped over the line for the tally.

Jr. and Soph Chems Tie

A scoreless tie was the result of the touchball game between the soph

and junior chems. The teams were so evenly matched that neither team made any serious threats.

The sophs kicked off and the juniors advanced the ball to their own ten yard line. A bad pass from center almost gave the sophs a safety but Rothenberg was able to get out of the end zone before being tagged. The juniors kicked and in two plays the sophs were down to the fifteen yard line. Two more tries failed to advance the ball and the juniors took possession.

Norkus intercepted a long pass and ran the ball back to midfield. Three plays later the sophs had to kick and Kruse ran the punt back to the sophs 30 yard line. On the fourth down the juniors passed over the goal and the half ended.

The second half saw practically all of the play take place between the twenty yard lines. The game ended with the ball in the sophomore's possession in midfield.

Sr. Mechs (13)-Jr. Elects (0)

By virtue of their 13-0 win over the Junior Juice men, the Mechs '38 advanced one step nearer the touchball championship in the tourney which they were runnerup in last year.

The mechs received, marched to the goal line, but lost the ball on downs. The elects punt was partially blocked and the mechanicals capitalized on the play to score a touchdown on a pass from Seidenberg to Roche, and converted the extra point on a pass to Bingham. The elects again kicked off, and Seidenberg returned the kick, running through the entire elect team to score the second touchdown. The point after touchdown was missed, and the half ended with mechs out in front, 13-0.

The second half saw the juniors give the mechs a shock by battling them to a standstill for the remainder of the game. The mechs took the ball to within scoring position soon after the opening of the half, but were unable to penetrate the juicers defense well enough to score. Shortly after this the juniors made their first threat of the game by completing several passes and brought the ball into scoring position, but were unable to cross the pay off line, and thereby passed into oblivion.

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