



## SIDELINES

By Albert M. Lane

THE HEAVY INCREASE in the volume of export business shown by reports of October foreign shipments is significant. An examination of the report revealed that the total gain is to be credited to Italian government orders for materials to be used for military purposes and that American shippers have generally disregarded President Roosevelt's warning against trading with belligerent nations in commodities which might be so used. The report substantiates earlier predictions that exporters of oil, steel scrap and copper would test the strength of the president's warning rather than gracefully accede by spurning the lucrative Italian market; and it explains, in part at least, the activity and enthusiasm with which the producers are bidding against each other for Italian contracts.

ALTHOUGH THE government has issued during the last few days a series of demands that the shippers recognize the warnings as indirect embargo orders and has threatened the owners of subsidized carriers with financial reprisals, there is considerable doubt that the trading will be terminated unless more specific and more drastic action is taken. It seems that the government will have to enact specific and drastic embargo regulations if the traffic is to be stopped. Under ordinary circumstances of volume demand for materials with which to prosecute a war the profits are temptingly large, but the conditions that will obtain in the Italian situation by virtue of the implied limitations of supply, resulting from the invocation of League sanctions, will so materially enlarge the trading margin that the temptation will graduate to an obsession. The hunger for so great a return will nullify whatever little aversion to gambling may now exist with corporation directors. However weak the financial position of the Italian government may be, whatever the action of League members toward enforcement of a blockade, the lure of disproportionate returns will be the inspiration for defiance of governmental restraints.

VIEWED ALONE in the light of the current state of industry, the situation might be considered rather fortunate, for it is obvious that the Italian demand is of sufficient magnitude to substantially relieve unemployment. But there is present in the pack the usual joker. The financial standing of the Italian government three months before war was declared was more than merely satisfactory. British shippers had been at that time sufficiently aggravated by the enormity of unpaid Italian credit as to refuse to make further allowances. They were then refusing to accept even short time Italian paper. All coal shipments to Italy were made on the cash on delivery basis.

SUBSEQUENT PREPARATIONS for war, along with its prosecution, have further depleted the treasury. The gold reserve, which in July had sunk below the forty per cent low limit, is rapidly reaching the point of exhaustion. No figures are available which would reveal the extent to which Italy is now indebted to

### Wieting Is Delegate to Scarab's Conclave

W. S. Wieting was delegated to represent Edfou, the Armour temple, at the regular annual convention of Scarab, professional architectural fraternity. The convention met in Kansas City last Sunday and made a tour of the city before convening yesterday. Later in the day the group visited the University of Kansas. The convention adjourns today.

### Progress Made on Cooperative Plan

Whether or not Armour is to install a co-operative mechanical engineering course in conjunction with industry will probably be decided before Christmas. A final report will have been presented to the Board of Trustees by that time.

General Hammond, who is the driving force behind the plan, is now sending invitations to manufacturers in the Chicago area for a meeting of the Metal Trades Association and Illinois Manufacturers Association on December 12. Mr. Hammond will be the next president of the latter group. A complete resume of the problem will at that time be offered to the group. The purpose of the meeting is to determine if there are enough eligible employers to make the plan practical.

### City Tunnel System to Be W. S. E. Topic

For the W. S. E. meeting December 6, Mr. J. F. Peterson of the Chicago Freight Tunnel Transport Company has been obtained as speaker. He will talk on the tunnel system in Chicago.

A general assembly will be held at 10:30 Friday morning, December 13, at which time Major G. F. Lee, police magistrate of Maywood, Illinois, will give a strictly informal talk on his war experiences.

The Armour branch of the W. S. E. will hold its semi-annual smoker Friday evening, December 13, at the Triangle fraternity house.

### Pledge Nine Men to Musical Fraternity

As a result of an examination held at the Pi Kappa Phi house in conjunction with a smoker on November 14, nine new members have been pledged to Pi Nu Epsilon, the honorary musical fraternity. The present members of the society are: M. B. Stevens, president, A. J. Rehlung, secretary-treasurer. The pledges, J. J. Doudera, R. H. Knabe, E. A. Krefl, F. Jost, R. M. Lundberg, P. Martin, P. R. Schultz, A. J. Strazz, and E. J. Wolniak were pledged at a meeting held in the Salamander rooms on November 18. They are now working on 3000 word themes, on a musical subject, which are required for their entrance.

### Sophomores Discuss Selection of Jacket

Several jackets were modeled and suggestions for a style of class jacket were made at a sophomore class meeting last Friday.

A variety of styles were suggested; some wanted suit coats, others corduroy jackets, while some preferred the regular campus coat. Because of a misunderstanding only one company submitted samples at this meeting. A representative of A. G. Spalding and Company was present at a meeting held during the lunch period yesterday to show several models of jackets.

### Armour Campus Club Initiates Twelve Men

Twelve new pledges were initiated into the Campus Club last Friday night at their annual fall smoker which was attended by several of the alumni. After the pledges had completed their assignments and had been duly paddled, they read themes, which they had already prepared, before the assembly.

The men who were initiated were T. P. Doheny, K. A. Fiala, C. B. Folkrod, B. H. Griesbach, R. Harwood, E. Kreisel, J. A. Kubik, R. F. Napier, E. J. Simek, W. M. Underwood, T. H. Waldron, E. J. Wolniak, and R. W. Young.

### SENIOR INFORMAL TO BEGIN PARADE OF SOCIAL EVENTS

Music to Be Provided by Emil Flindt's Orchestra

ONLY A FEW BIDS LEFT

According to present indications the first major social event at Armour this year, the senior informal, which will be held on the evening of November 29 in the Grand Ball Room of the Medinah Club, will be one of the most successful staged in recent years.

Success Doubly Assured

R. M. Paulsen, chairman of the senior social committee, attributes this to two main reasons, the first that the senior class is offering a \$2.00 dance for \$1.50; the other that Emil Flindt's orchestra ranks among the best of the orchestras that have played at recent Armour dances.

Sponsors of the dance are Professor and Mrs. H. Ens, Dean and Mrs. H. T. Heald, Professor and Mrs. H. L. Nachman, Professor and Mrs. C. E. Paul, Professor and Mrs. W. L. Suter, and Mr. W. N. Setterberg.

Bids Going Fast

Only 225 bids are being sold for the dance, most of them having been purchased. Bids may be obtained up to 5 p. m. tomorrow, if any remain. Since there is no school Thursday and Friday due to the Thanksgiving recess, it will be necessary to obtain them by Wednesday. Reservations will be made today for the tables.

Through a special arrangement with Emil Flindt the Armour fight song and the Alma Mater will be played by the orchestra during the evening.

Ample parking space is available on Michigan Boulevard, Grand Avenue, and on the level directly below the Michigan Avenue entrance.

### A.I.Ch.E. to Have Two Speakers at Meeting

Two speakers will be featured at the A. I. Ch. E. meeting scheduled for Friday, December 6. Mr. W. N. Setterberg, Institute placement officer, will deliver a short talk on the various aspects of vocational adjustment and job getting so pertinent to graduating seniors, while John H. Johnson, a senior, will speak on "New Light on Film and Dropwise Condensation."

The latter talk is also to be presented at the joint meeting with the local senior chapter on December 11, and will serve as a guide for other men on the program. H. P. Milleville, chairman, announces that the organization for the joint meeting is complete. Men who will appear on this program as speakers have been selected and are getting their material in shape.

### "Dust of the Road" Is To Be Next Play

In contrast to their recent comedy, "The House of Juke" given last week, the Armour Players are planning to present "Dust of the Road" just before the Christmas holidays. Try-outs for parts in the forthcoming play will be held tonight under the direction of Professor Hendricks. According to Richard Lischer, the president of the Players, any student may participate in the group and everyone is invited to try for a part in the next play.

Richard Lischer said, "The student body seemed to thoroughly enjoy 'The House of Juke', and we are going ahead with our plans for a balanced play season. Our Christmas play will be one in keeping with the holidays and will portray the struggle between conflicting emotions in a modern setting. A large group of new men have joined the Players and we will welcome any more who wish to join."

### W9YW to Contact College Amateurs

Plan Radio News Service for Armour

Should the efforts of the Radio Club materialize, the Armour Tech News will soon be able to get news of other schools via the ether. In an effort to bring about regular communications between the Armour group and radio organizations at other schools, the Radio Club has made contacts from which it is hoped a radio news relay system will be established.

That the news will cover a good part of the world is evident from the contacts and cards received from all parts of the country as well as Canada and Mexico.

To enable the Radio Club to be on the air consistently, the transmitter committee has erected a new 279 foot transmitting antenna, adding greatly to the range of the station. In addition a 2 kw., 2,200 volt motor generator set is being installed. At present the Radio Club's equipment is such that allows for successful reception of distant stations. Low frequency equipment is being installed and will enable local reception.

According to L. Holmes, president of the club, thirteen licensed amateurs keep station W9YW on the air practically every hour of the day. Several new members have been admitted to the club and will be given code and theory instruction to enable them to obtain a government radio operator's license.

### First Dance of Year Held by Frosh Class

After an active sales campaign the freshman social committee announced last Friday that their dance ended well in the black. A general vote of approval went to the clever green and gold program. The dance at the Trianon went smoothly, starting at 8:30 and continuing until 12:00 o'clock.

B. Anderson, social chairman, is intending in the near future to make arrangements for a freshman smoker.

### Rifle Club Schedules Meet for December

Five meets have been scheduled by the Rifle Club, and contacts with other schools are being made to secure some others, it was announced last week. These contests are carried on through the mail, each team sending its results to the other at a certain date. At a meeting of the club last Thursday, the meets were discussed, and it was announced that practice would be held in the Wentworth Armory at one o'clock on Saturdays.

The first match is with the University of Akron, results having been mailed on November 14. Then follow three meets with the Jefferson City Pistol and Rifle Club during the weeks ending Feb. 8, Feb. 15, and Feb. 22. The other contest is with the University of Iowa during the week ending March 14.

### Evening School Has Large Registration

With the Evening School courses well under way, the enrollment shows an increase of 178, or 22% over last year. The total enrollment October 24 was 802, while at the same time last year it was only 624. Mr. Kelly reports that the increase is due partly to the improved business conditions, the continued demand for the college trained men, and partly to the offering of college credit courses. Over 100 of the enrolled students are carrying two or more college credit subjects, which are given the same credit as the corresponding courses in day school.

Day school registration, on the other hand has shown a slight decrease. The comparative enrollment by departments is tabulated elsewhere.

### A. T. A. A. CONSTITUTION IS TOPIC AT NEXT ASSEMBLY; NEEDS STUDENT APPROVAL

Changes Made to Benefit Student Body; Sections of Old Constitution Inapplicable

### BASKETBALL PEP MEETING SHARES PROGRAM

Because of the Thanksgiving holidays, there will be no issue of the Tech News next week. The next issue will appear Tuesday morning, December 10.

### Date Chosen for Junior Informal

Friday, December 20, is the final date chosen for the annual junior informal, which will be held this year in the Boulevard room of the Stevens Hotel. After hearing a number of orchestras, Oreste Tomei, junior social chairman and the social committee selected Roy Lind and his orchestra to supply the music.

In keeping with the student demand for better dances at lower prices, the social committee has kept the price of bids down to a minimum of \$1.50. The dance floor is one of the best available in the Chicago district and since there will be no tables there will be plenty of foot-room for the dancers. Connected with the room are adequate lounging facilities and a spacious check room.

The junior social committee consists of the members of the junior commission who are E. H. Brink and W. A. Chapin, F. Hackman, E. Kreml, F. L. Leason, R. J. Magnuson, C. Saletta, J. C. Stern, O. A. Tomei, and L. E. Zwissler.

Bids will be on sale after the Thanksgiving vacation and may be secured from any of these men.

### A. Lane Analyzes Automatic Drive

Acting as consultant for a group backing a new invention, A. M. Lane, a senior in the department of mechanical engineering, has recently completed an analysis of an automatic transmission for automobiles. The transmission, invented by a former coal salesman lacking in engineering knowledge, was presented to several engineering companies for analysis, although none were able to complete it. About a year ago the transmission was given for analysis to Lane, who completed it last summer. Professor Mangold of the mechanics department checked Lane's calculations and agreed with him as to the feasibility of the idea.

### Model in Operation

A model of the transmission has been completed and was in operation last week. Professor Nachman when asked his opinion concerning the apparatus said that if the transmission proved to be economical and efficient, it would be very desirable in view of the ease of operation of an automobile. It is not yet at a stage of construction and testing to say whether or not the transmission will prove successful. Further work on it is being continued by Lane, who plans to make larger models for testing.

All patents on the automatic transmission are being handled by Charles W. Hills, Jr., an Armour graduate and member of the board of trustees.

Helped Design Pullman Drive

Lane was connected with the design of a model drive successfully used on the Pullman Railplane. He also appears as inventor and co-inventor of several types of automatic transmission, the patent having been assigned to the Automatic Transmission Company of Rockford, Illinois.

At Armour, Lane is president of the student branch of the A.S.M.E., a member of Tau Beta Pi, and Pi Tau Sigma, and writes "Sidelines" in the Armour Tech News.

Revised and brought up to date, the constitution of the Armour Tech Athletic Association, first adopted in 1922, will be submitted for the approval of the student body at a general assembly in the near future. The occasion will probably be a pep meeting before the first varsity basketball game of the season, to be played in the 108th engineers' armory on Thursday, December 5, against Arkansas.

Published in Handbook

Published last week in its complete form in the student handbook and directory, the new A.T.A.A. constitution has yet to be accepted by the student body, but by the time of the meeting most Armour students will probably be familiar with it.

The text of the new constitution follows closely that of the old, most of the changes being of an accommodating nature, prompted by changes at the Institute which made the old constitution inapplicable.

Revision by D. J. Neal

In great part, the work of preparing the revised form of the constitution was done by Donald J. Neal, president of the A.T.A.A. The new form has been approved by the Board of Athletic Control.

Difference between the constitution as given in the handbook and the form now in effect are, in detail, as follows:

Name is Changed

In Article I, the name of the association has been changed from "Armour Tech Athletic Association and Student Union" to "Armour Tech Athletic Association."

The section under Article II—"Object," reading "Passing and enforcing such acts as it may deem advisable for the government and regulation of the student body providing that such legislation is approved by the Executive Council of the Institute," has been omitted, since the Executive Council is no longer in existence, and without the section, the Board of Athletic Control, representing the student body and including in its membership the president, the dean, and the treasurer of the Institute, is given the other powers listed under "Object" without recourse to any other group.

Alumni Omitted

Under "Membership," in Article III, the new form of the constitution leaves out alumni as being eligible.

Article IV of the new constitution is entirely new.

In Article V of the new constitution the term "advisory council" is no longer applied to the Board of Athletic Control.

Also, in Section 2 of this article, the listing of members of the Board of Athletic Control replaces one which included, beside the student members, the Executive Council, no longer in existence, and three faculty members.

The other two sections of this article were not included in the old constitution.

Nominating Committee Detailed

Under Section 2 of Article VI, the old constitution merely stated that the nominating committee shall consist of five students.

Section 5 of this article formerly

(Continued on page 5)

Postpone Math Club Meeting to December

Due to the unexpected sophomore class meeting and the special meeting of the A.S.M.E., the Math Club postponed the talk scheduled to be presented last Friday at 10:30 a.m. Roy Kercher, who was to have spoken on "Statistics" will address the next meeting.



## DR. W. HOTCHKISS DISCUSSES SOCIAL SCIENCE COURSES

Published in September Issue of S.P.E.E. Journal

Expounding his educational philosophy in the September issue of the *Journal of Engineering Education*, President Hotchkiss stressed the importance of the social sciences for engineers.

The trends of social sciences that Dr. Hotchkiss mentioned are those which will contribute jointly to professional competence and culture. Culture, according to Dr. Hotchkiss, connotes a many-sided life, and suggests awareness of the world about, intellectual curiosity, and capacity for reflective thought.

The reason why engineering students are critical about the social sciences is chiefly due to the fact that engineering educators have not found out the real objectives suitable for these studies.

### Test Social Courses

Dr. Hotchkiss accordingly set forth six different methods for testing the suitability of social science courses. Among the important considerations are the relevancy to engineering, stimulation of intellectual curiosity, discipline in accurate reasoning, and the drawing of conclusions which lead to action.

The article also includes a discussion of the social sciences as taught at Armour. The selection of material for the social science courses is developed in conformity with the principles which Dr. Hotchkiss outlined.

"Back of every engineering project is a human situation," writes Dr. Hotchkiss. "Engineering activities are inescapably dominated by economic and social affairs."

### Develop General Knowledge

"No one can acquire a complete knowledge and understanding of these institutions (social, political, and economic) any more than he can acquire such a knowledge of the physical universe," concluded Dr. Hotchkiss, "but the social science part of engineering education can point the way toward a scientific and appreciative attitude which the engineer requires for his work and for his life as an educated citizen."

## CANDID KANSAN COVERS WATERFRONT

### NO IDLE TAIL

"It was during a student play in Fraser hall at K. U.

"To know the antique structure is to realize the situation.

"One of the rah-rah players was reposing on the 'throne.' Before he realized the time he had taken for his relaxation his cue was given. In near terror the complications overcame him. The 'throne' is one of old type that fairly shakes the building when it is put into action. And it goes into action automatically when the visitor arises.

"The student player's mind was in a whirl—and just then another member of the cast appeared.

"Here, quick!" shouted the young man whose appearance on the stage was in demand. "Sit here—sit here—it here, I've got to go on!"

"The second student, also realizing the emergency, slid into place.

"All was well—that is, well, until No. 2 on the 'throne' heard the play swing along to his cue.

"What was he to do?

"Get up and utterly spoil the play with the roar of water?

No, that wouldn't do.

"But he must go on—in a few moments his entrance on the stage was scheduled.

"He heard footsteps. It was one of the ushers.

"Come here, quick!" he stage whispered. "Stay here—don't move—I must accept my cue."

"And he scurried from the little room.

"The play went on, the last curtain fell and the audience drifted from the hall before No. 3 dared leave his post.

"Unheralded, unsung, without the honors accorded by the Daily Kansan critics, without his name on the program, the usher, Hero No. 3 of our little story, left the building humble but wiser."

—By A. J. Carruth of Topeka State Journal via Daily Kansan

## A.T.A.A.—

(Continued from page 1)  
stated that the treasurer of the A.T.A.A. shall be the comptroller of the Institute.

Finally, Section 6 of this section formerly stated among the duties of the secretary of the organization "to act as assistant to the athletic directors in the matter of arranging schedules for the various athletic contests." This has been deleted, and the part requiring the secretary to keep minutes of all board meetings in a bound book has been added.

### Term "Advisory Council" is Dropped

The new constitution omits an article stating that the Board of Athletic Control shall constitute the Advisory Council of the organization.

The words "Board of Athletic Control" in Article III of the new constitution were formerly "Advisory Council."

In the By-Laws, Article III formerly provided for the appointment of both an inter-fraternity and an inter-class athletic manager, while Section 4 of this article was not formerly included.

To Article IV, a section providing for awards for cheer leaders has been added.

In Article V, section 2, the portion reading "all protests" formerly read "all protests regarding athletics."

In Article VI, the portion reading "Board of Athletic Control" formerly read "Advisory Council."

### Old By-Laws Dropped

The following By-Laws have been omitted in the new form of the constitution:

The president shall appoint the chairman of a reception committee to

## Chess Team Receives First Decisive Defeat

After being held to a draw in two meets with the Polo-American Chess Club last year, the Armour Tech chess team was finally beaten by the Polo team by the decisive score of 7 to 2 in a meet held at Armour a week ago last Friday. This is the largest chess team.

Professor B. E. Goetz has loaned two chess books to the club, which now has a roster of thirty-three.

consist of three students, the other members of which are to be selected by the chairman himself.

The president of the organization shall appoint a social chairman.

The social chairman shall arrange the social calendar of the year.

No Provision for Social Chairman

All dates for social affairs such as class dances, banquets, smokers, circus day, etc., of the student body must be submitted to the social chairman for approval.

The president may call the editors of the *Armour Engineer*, the *Cycle*, the presidents of the various student organizations, the class presidents, a representative of the faculty, and the officers of this organization together for the purpose of consulting on the work of the organization.

The president of this organization shall appoint a student publicity manager.

The student publicity manager shall care for all notices and bulletins of this organization.

Finally, Article VII, VIII, IX, and X have been added to the by-laws.

Article IX was adopted by the students in 1933 in the form of a resolution.

## Graduate Designs New Pyrometer

A new type of instrument for measuring temperature, the Aradiant Convection Pyrometer, has been devised by R. F. Berger, a graduate student now studying for his master's degree at the Institute. The new device was designed by Berger to aid him in his work on heat transfer under furnace conditions, no suitable meter having been available. Professor McCormack read a paper on the subject, written by Berger with the cooperation of Professor Barr, at the recent meeting of the American Chemical Society in Louisville.

Two other graduate students, J. Wieland and P. J. Henoch, are also doing graduate work in the chemical engineering department at the present time. They are working on the subject of filtration of calcium carbonate sludges under various pressure conditions. In addition to their thesis projects, the three men are taking four regular graduate courses. Industrial Calculations, Chemical Thermodynamics, Materials of Construction, and Chemical Plant Design. Berger is working under a fellowship from the North-Shore Coke and Chemical Co.

In the Electrical Engineering department, six students are taking a graduate course on "Transmission Lines" under Professor Freeman. Three of them, J. A. Larson, W. L. Maurer, and J. S. Wysocki, are from Armour. A. C. Laoang and P. Light comes from Lewis Institute, and N. Bunka is an alumnus of the University of Manitoba. Bunka is the only one of the six who is planning to get his M. S. degree immediately.

Two civil engineers employed by the Bureau of Water Main Extension, S. Spaulding and H. F. Zimmerman, both from the University of Illinois, are studying under Professor Vagtberg. By special arrangement with the Bureau, they are able to work at the Institute during the day from three o'clock on, while at the same time doing their regular work for the city. C. D. Thomsen and A. C. Menor, Armour, are also studying under the direction of Professor Vagtberg on the preliminary treatment of water supplies. The latter two men are taking a course on Soil Mechanics and Foundations from Professor Ensz.

In addition to the four day students, there are five graduate civil students in the evening school taking a course taught by Professor Stevens on Statically Indeterminate Structures. Three are from Northwestern, one from Minnesota, and one from Michigan College of Mines and Technology.

H. G. Froberg, an Armour graduate, is doing research work on heat transmission under the guidance of Professor Peebles.

## Professor Schommer Gives Radio Address

Professor J. J. Schommer spoke over the radio last Friday at 12:30 at the final meeting of the "Sunday Coaches and Monday Morning Quarterbacks." His talk consisted of answers relative to play procedure, rules, and interpretation of typical fouls that have been called this season in football games.

Last Monday, he spoke before a joint meeting of the Michigan and Minnesota alumni at Mandel Brothers.

## Chemicals Hear Talk on National A.I.Ch.E.

A week ago last Monday morning at 10:30 in Science Hall, Dr. M. White, professor of chemical engineering at the University of North Carolina and chairman of the committee on student chapters of the A. I. Ch. E., gave a brief lecture to the chemical engineering students on the underlying principles and purposes of the national organization. He indicated the present value and progressive improvements outlined for the very near future and explained in detail the annual chemical problem in which junior members at all colleges are invited to participate. The problem this year is expected to be related to the TV project in Tennessee. Cash prizes are awarded for the best solution, one hundred, fifty, and twenty-five dollars being given as first, second and third prizes, while three honorable mentions will receive ten dollars each.

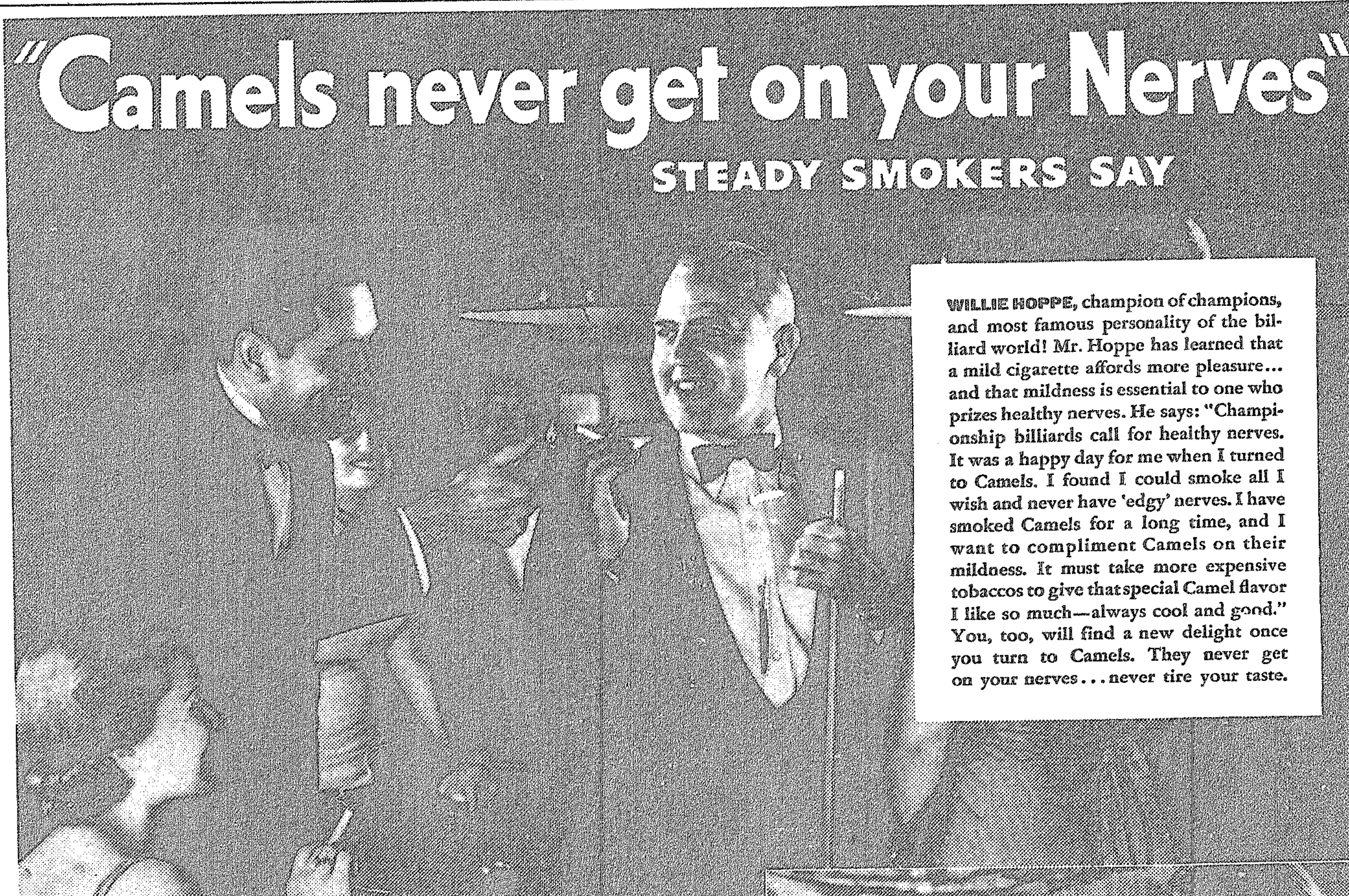
As a progressive measure, it is intended by the Institute to publish a bulletin at least four and possibly six times a year beginning in very short time. All student chapters are to be the beneficiaries of this publication which will include news of national interest.

The meeting was well attended and it is anticipated that a marked increase in membership will result in the Armour chapter.

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**Government Survey Is Conducted by N.Y.A.**

Three Armour students, G. Weigman, L. Beatty, and B. B. Riman, under the supervision of the local N. Y. A. are now working on a government survey. This survey is being launched in an effort to help the corn-hog farmers. Whether or not the Corn-Hog Program shall be continued during 1935 and 1936 will be determined by the evidence gathered. The questions that are asked in this house-to-house survey are sent from Washington, D. C., to the County Councils. The N. Y. A. members are the ones that actually do the canvassing, while the Councils send results to Washington.

**Pertinent Questions Asked**

- Obviously these questions always have a definite answer to them. They are the following:
1. Has the price of pork in your community gone up since the program went into effect?
  2. Has the price of pork risen faster than your income?
  3. Has the price of pork risen more rapidly than the price of the commodities?
  4. Has the increase in price of pork caused you to purchase less of that commodity?
  5. Has the rise in price of pork caused a change in your menus—a shift to less expensive meats, or to fish, or to such high protein foods as eggs, beans, etc?
  6. If less pork is being purchased because of the rise in price, is it your opinion that the Corn-Hog Program is benefiting the farmers sufficiently to compensate for the hardships thrust upon the consumer in the form of higher prices?
  7. Do you think the Corn-Hog Adjustment Program has affected the different groups indifferently?

**"Pulse of Nation" Favors Roosevelt**

Who will be our next president? To determine the answer to this all-important question, the *Pulse of the Nation*, a monthly magazine of opinion, recently conducted a poll among editors of college newspapers, magazines, and yearbooks. The returns favor Roosevelt by a preponderant majority. The complete tally gave Roosevelt 408 votes, Borah 52, Frank Knox, 26, Herbert Hoover 23, Norman Thomas 23, Governor Alfred Landon 22, and other candidates from 1 to 8.

The separate poll for the parties showed: Democrats 386, Republicans 183, Socialists 45, Independents 20, and Communists 10. The Democratic party led in all sections of the country except New England, where the Republican party was ahead.

These results seem to differ quite a bit from the announcements in our daily metropolitan papers a short time ago, heralding the dawn of a new era and the downfall of the New Deal.

8. What other opinions do you have on this program?

The reason for having this survey carried on by the County Councils is that it gives the latter an opportunity to express themselves as to the effect of the Corn-Hog Program on the consumers of pork.

**Other Products Inspected**

Different products, coal, gas, oil, etc., serve as the subjects of various other surveys. The merchants that sell these products are also reached. They are asked the prices they pay wholesale. The retail prices are investigated. The average price of commodities is then represented on a separate graph for each city.

**SCIENCE NOTES**

A streamer approximately 143,000 miles long has been observed above the sun's equator, on what would be the northern hemisphere of the earth, by the Naval Observatory. Also in the northern latitude of the sun is a sunspot group moving as is customary, from east to west. In the southern latitudes are five separate groups of spots, some of them containing as many as three spots. This aggregation is the greatest outburst of sunspot activity since last summer and seems to have appeared first about two months ago.

Within the next month (the exact date is uncertain) the giant 200-inch glass disc, which will eventually be the great mirror for the observatory of the California Institute of Technology on Mt. Palomar, will be removed from the annealing ovens of the Corning Glass Works. Now at 302 degrees Fahrenheit, the huge glass disc is still far above the temperature at which it is safe to remove it from the carefully controlled cooling process.

Recent tests show that inexpensive paper windows transmit ultraviolet light effectively enough, so that they might be substituted for the expensive ultraviolet glass in some tuberculosis clinics.

Science News Letter

Because the usual color for starfish in Long Island Sound is pink, oystermen in those waters are being startled by the appearance of blue members of the species. However, they have been dyed that color by the U. S. Bureau of Fisheries in order to trace their migrations. A powerful anilin dye, Nile blue, proved well adapted for the purpose, one ounce being enough to stain 25,000 starfish.

Science

**MAN WANTED! A Sports Editorial**

Possibly you too feel that a cheer leader and organized cheers are of problematical worth at a sporting event. If you do, don't be embarrassed—most Armour men have at least offered that front in past years. If you felt like cheering, you yelled; if another Techman had the same urge, he yelled when the spirit was upon him.

Now when the WHOLE student body pours into the Armory on December 5 for the opener, are there to be any real cheers? The answer is no, unless some Techhawk with a large voice and free moving anatomy appears as a cheer leader! Do we want or need one? Possibly what follows may help decide.

Last season, the student attendance at Armour games rocketed to a new high when the 108th Engineers Armory became the Tech home floor. Of course more people meant more noise but, as usual, no organized cheers. A game of this and the present civils planned for better. The next game saw—and heard—the better portion of the C. E. '36 yelling in strenuous, stentorian, and unified

effort. Following games meant new converts, and cheers ne'er heard or used before (women), appeared.

Did the team notice it? Look at last year's record. Listen to what Capt. Al Lauchiskis said of the cheering section.

"It sounds great to hear you fellows yelling. We're alone on the floor, and we can't see the gallery; but when the going is tough we like to know we're not alone!"

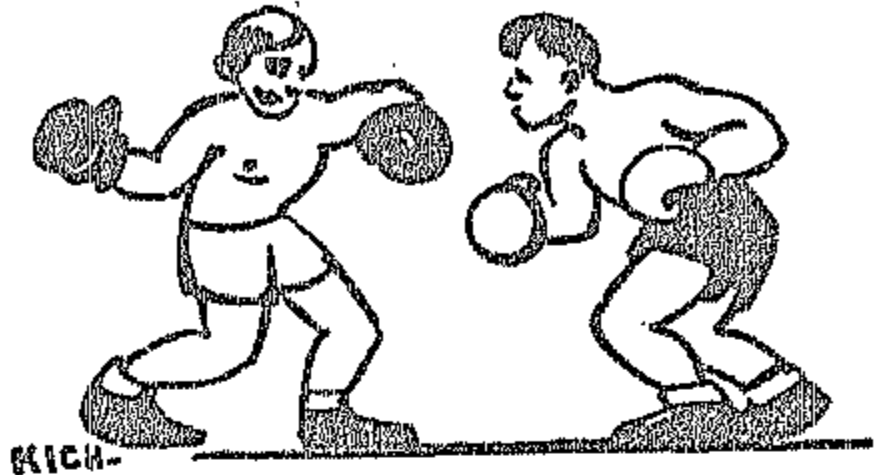
The University of Chicago game, that session to which every Armour man points with pride, found the lusty lunged cheering section ruining many a dulcet vocal chord in shaming the shouts of the Maroons. The habit took hold.

Sincere efforts by enthusiastic men to organize full cheers had little success, a cheer leader of real talent was needed and is still needed. Unless he appears, the group effort will alone prevail.

When, oh when, will such a thing as "Armour Spirit" inspire one of us to the great excess of offering our services as cheerleader? Man wanted!

**Boxers Prepare for Match with Loyola**

Severe workouts continue for the might and brawn representatives of Armour Tech as the opening boxing and wrestling matches draw nigh. Although Captain Sramek of the boxers seeks a good bantamweight to make his organization complete, all the old material is back and in good condition, and the freshmen also look promising. The team is looking forward to their meet with Loyola University, the first of the season, which will take place in about three weeks. In Tech's last encounter with



this team, about four years ago, Armour staged a desperate rally and came up from the rear to astound their opponents with four consecutive knockouts to steal the entire match. Only two or three meets were held last year but an extensive program is to be arranged for this season.

The energetic matmen are also responsible for much of the body ozone detected around the gym these days. Take Dunne for instance, a tall slim 135 pounder, who's greatest threat is his pair of long legs which he can manipulate agilely around his opponents at will. Patterson, a 145 pound man, who is in the best of form this year, is Captain Sumner's chief threat. Popper, at 165, is building up plenty of competition for Kreml, the star grappler of that weight. The entire team, ranging from Majerick, at 118 pounds, to Ray Peterson at 220, and including other good returning men as Schmidt at 155, and Kercher at 145, is strong, says Sumner, but can take all the practice it can get. The boys will see first action in the encounter with Lincoln-Belmont Y the week of December 6.

**Athletic Dept. Averse To Class Tackle Games**

In an interview, Professor Schommer showed strong disapproval of interclass football games such as that played between the freshmen and sophomores two weeks ago.

In answer to a query on what he thought of the freshman-sophomore football game, he said, "I'm very much against football games being played on our campus or anywhere where our athletic department is supposed to be in charge, because players are most likely to be ill-equipped and certainly not physically trained to stand the physical exertion necessary to play sixty minutes of football. Severe casualties usually occur with ill-equipped players and poorly trained men who are not hardened at blocking, tackling, and being violently thrown to the ground; and not being skilled in knowing how to fall, they do not know how to tackle to avoid serious injury.

"If the game must be played, it is my friendly advice not to play it on the grounds under our supervision; and the team players should all have a heart examination and a physician should be on the grounds throughout the game."

**Lunchroom Offering Turkey Special Today**

Fifty pounds of turkey for husky Thanksgiving appetites! A feast that will tickle the palates of the most epicurean tastes has been prepared by Ethel Dyslin, B. C. E. (Bachelor Culinaries Extraordinary) head of the lunchroom staff.

Let the mention of the proportions of this feast create havoc with the gastronomical habits of the students, they need only be reminded that their desires can be appeased by forwith hying themselves to the Armour Student Union.

**U. S. High in German Foreign Enrollment**

Of the 4,000 odd foreign students enrolled in German institutions of learning, the United States has 363, the second largest representation from a single country. Poland has the largest enrollment, 397. The other countries represented are: Rumania, 352; Danzig, 351; Austria, 301; Bulgaria, 245; China, 230; Norway, 209; and Switzerland, 206 students.

The grouping according to studies is as follows: general medicine, 890; chemistry, 852; law, 254; dentistry, 225; structural engineering, 219; evangelical theology, 209; economics, 190; electro-technics, 185; Germanic sciences, 179; commerce, 145; architecture, 125; and philosophy, 103.

**ARMOUR TECH ATHLETIC ASSOCIATION**

**Treasurer's Statement of Income and Expenses for College Year 1934-1935 INCOME**

145 Senior Student Fees, at \$5.50 1st semester	\$1,232.50
608 Student Fees at \$9.50 1st semester	5,776.00
753	7,008.50
Deduct:	
Class Dues . . . . . 608 at \$1.00	\$608.00
Armour Tech News 753 at \$1.00	753.00
	1,361.00
	\$5,647.50
143 Senior Student Fees, at \$8.50 2nd semester	1,215.50
598 Student Fees at \$9.50 2nd semester	5,681.00
741	6,896.50
Deduct:	
Class dues 598 at \$1.00	\$598.00
Armour Tech News 741 at \$1.00	741.00
	1,339.00
	\$5,557.50
Accounts of Previous years received during 1935	11.00
Interest received on Student Loan Fund	72.50
From surplus to meet deficit for 1934-1935	296.66
	\$11,585.16

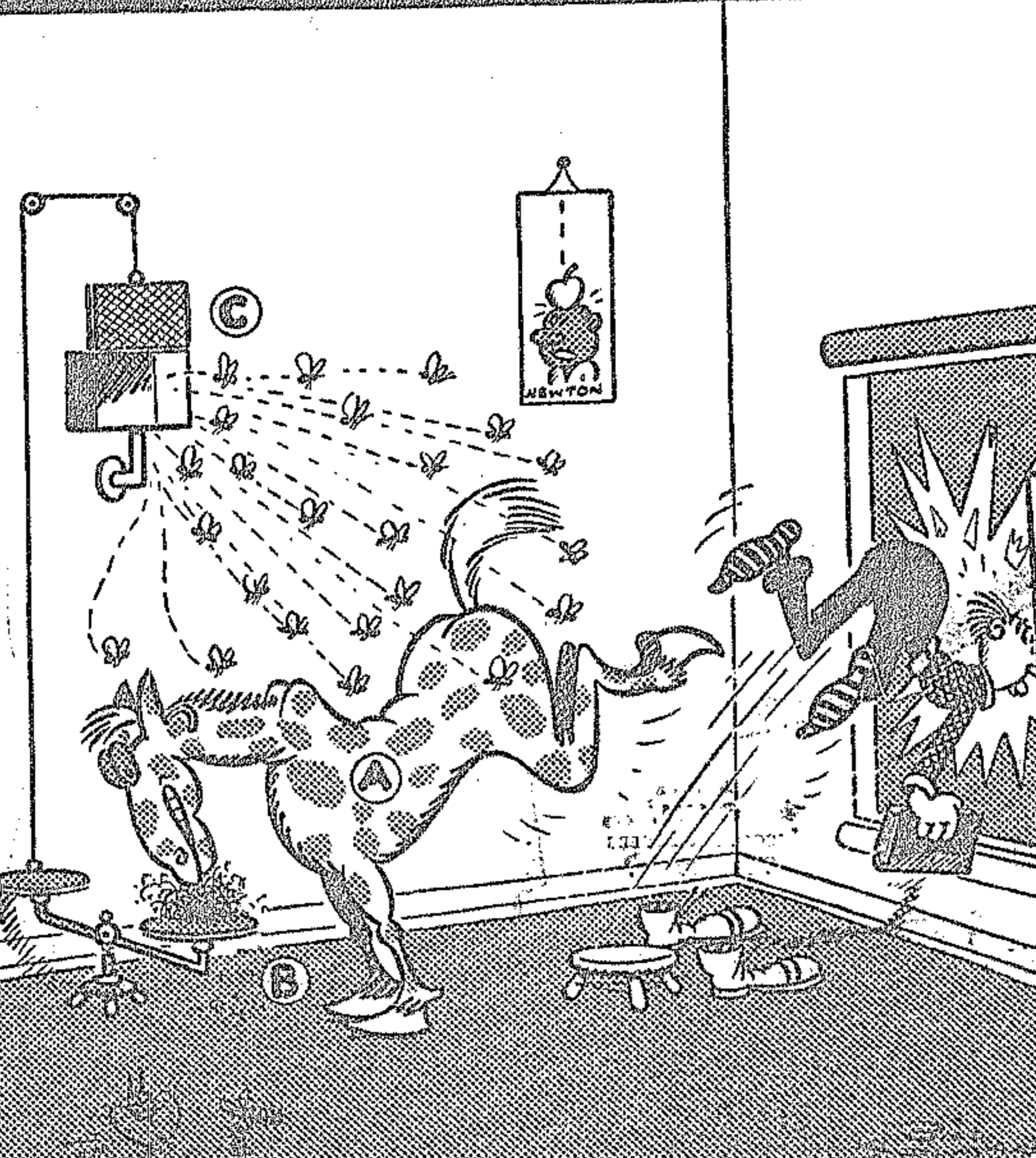
**EXPENSES**

"A" Blankets	190.98
Armour Engineer:	
753 Students 1st semester . . . . . at 75c	564.75
741 Students 2nd semester . . . . . at 75c	555.75
	1,120.50
Baseball	24.40
Basket Ball	248.50
Boxing and Wrestling	271.02
Cycle:	
753 Students 1st semester . . . . .	
741 Students 2nd semester	
1494—or 747 students at \$2.75 for year	2,054.25
Directors and Coaches	5,322.00
General Expense	316.79
Golf	242.03
Intramural	34.59
Musical Clubs	392.13
Rifle Club	44.71
Swimming	193.55
Fencing	35.00
Tennis	249.13
Track	581.10
Track Relays	263.58
Tax on checks	0.90
	\$11,585.16

**EASY WAY TO STUDY LAW OF GRAVITY**

**..AND AN EASY WAY TO ENJOY A PIPE**

HORSE (A) WEARING GREEN GLASSES SEES EXCELSIOR (B). THINKS IT IS GRASS AND EATS IT THUS OPENING CAGE (C) AND RELEASING HORSE FLIES. HORSE BECOMES ANGRY AND KICKS STUDENT THROUGH WINDOW AND HE CAN STUDY LAW OF GRAVITY ON WAY DOWN



**WHY P. A. PLEASURES—**

PRINCE ALBERT USES MILD, MELLOW TOBACCO THAT NEVER BITES THE TONGUE. THEN IT IS "CRIMP CUT" AND AROUND SO PIPEFULS ARE PACKED INTO THE BIG 2-OUNCE ECONOMY TIN

**PRINCE ALBERT**  
THE NATIONAL JOY SMOKE!

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## ARKANSAS TILT TO OPEN TECH'S CAGE SCHEDULE DEC. 5

**Southerners to Bring Real Opposition to Armory**

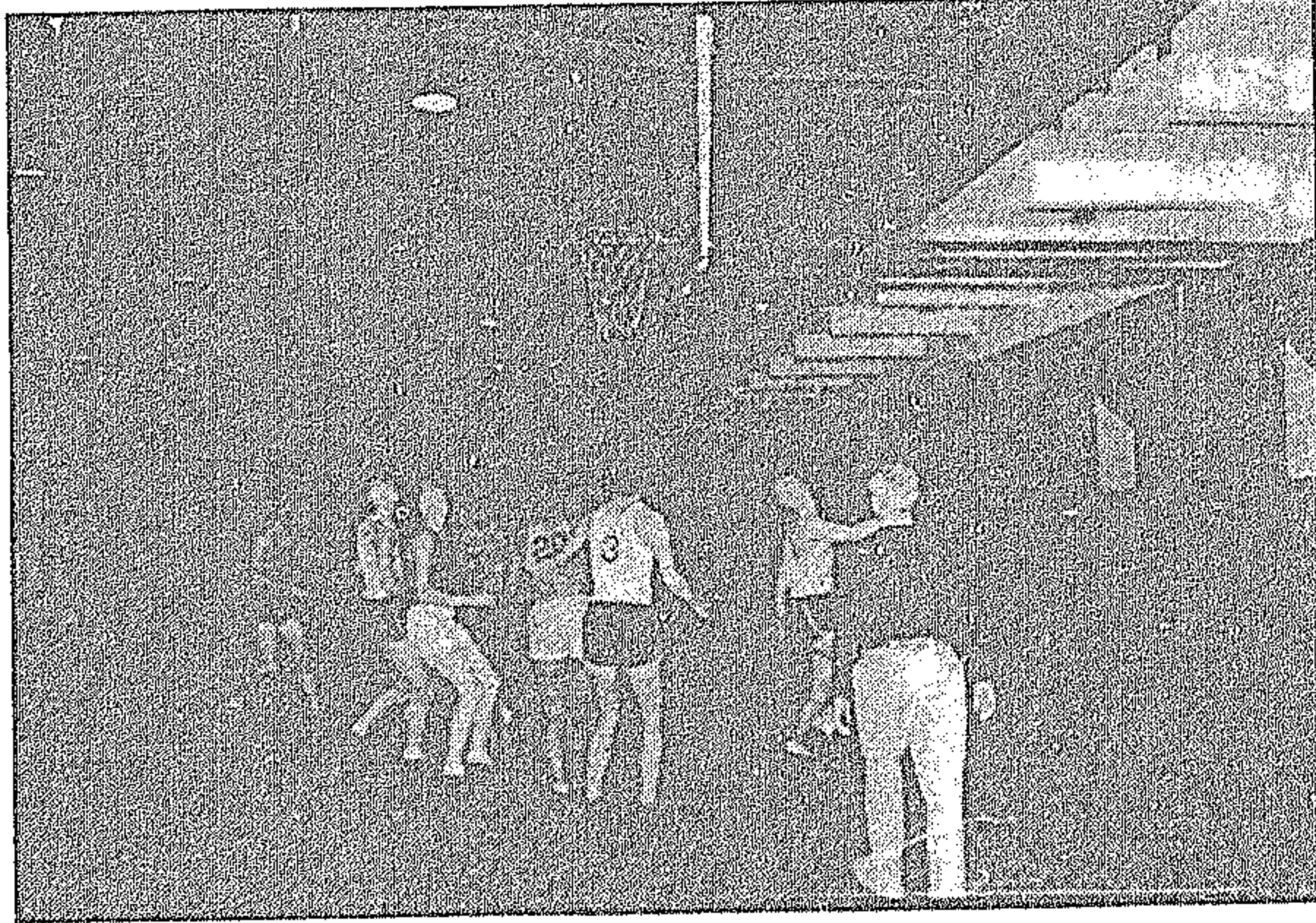
**EVERYBODY OUT!**

With the Arkansas game only nine days away, Coach Krafft has cut his basketball squad down to 14 men, and is drilling them strenuously in an attempt to get them into shape for one of the hardest games of the season.

Although five regulars are back from last year, the team is handicapped by a lack of reserves. Hoffman, one of the most promising of the new men, is disabled as a result of a knee injury sustained several years ago. Coach Krafft expects him to be out of the line up for the whole season. However, last year's opener found Capt. Lauchiskis on the bench with a bad knee, and despite the "season out" predictions, he was able to recover in time for the fourth game.



There are several other good ball handlers among the reserves but there is a general lack of height. The Arkansas team is made up of big, fast players and the coach wants to oppose these "big farmers" with men that can get their hands on the ball. Beating Arkansas is something else however. They have always had a good team, and this year is no exception. Last year's squad won their



Of course it went in! A shot of a shot in last year's opener, which resulted in a Tech win over So. Side Junior. The Techmen hope to repeat the opening victory, when they meet Arkansas, Dec. 5.

### Tech Fencers Prep For Second Season

Hoping for recognition as one of the school's varsity teams, the fencing club has arranged a stiff schedule of meets with several nearby Big Ten colleges, and nearby fencing clubs.

As has been the case in previous years, the team is handicapped with a lack of equipment. This however has not held them back and with the use of personal equipment, the team has practiced regularly every Monday and Friday in the gym under their new coach, Mr. Setterberg. Manager Emmerich plans to hold a round robin tourney very shortly. Several men are back from last year and will compose this season's squad. They are the Trzyna brothers, Quande, Kahle, and Folkrod. New material is always appreciated however, and anyone having any ability with the foil, epee, or saber is urged to come out to practice.

conference championship, and practically the same men are coming North this year. Furthermore, the fact that the team is making such a long trip is excellent evidence of a fine aggregation of basketball players. In the course of this tour, Arkansas will play five or six games. Their first encounter is with Loyola on December 2 and the Armour game should find the invaders in fine condition and in top playing form.

Last year's opener saw the engineers fighting a losing battle with South Side Junior College until the end of the first half. A rally in the second period, led by Merz and Heike, put Armour far into the lead for an easy win. With these two high point men and the veteran co-captains, Dollenmaier and Warner back this year, there is hope for a repetition of last year's performance.

The probable lineup for the Arkansas game will be Merz at center, Heike and O'Brien, forwards; and Warner and Dollenmaier as the guardians of the Tech hoop. With a little of last year's pepper and determination, these men should be able to duplicate last year's flying start.

### Tracksters Begin Practice Dec. 2

In the track meeting last Friday, Coach Root and manager Savidis succeeded in doing a lot toward getting the coming track season underway. There was a general discussion about the coming season and its possibilities which was followed by a distribution of equipment to those upperclassmen present.

During the short half-hour session a good deal was accomplished. New men who showed up were asked to fill out slips similar to the ones filled out by the others at the previous meeting. To those fellows who were out last year and as yet have not showed up Coach Root sent his personal invitation to come out again this year.

Plans for the coming seasonal meets were also delved into. Following much discussion on the part of both Root and the team members present, it was decided to schedule at least five indoor meets, and the same number or possibly more for the outdoor season. After a discussion and a general vote it was finally agreed to set aside Friday afternoons for as many meets as possible, a time most convenient for all concerned. In the near future Root is going to attend a track coaches' meeting at the University of Chicago, where he hopes to schedule several good contests. The schools discussed as possibilities included North Central, Wheaton, and Loyola.

The question of handing out material was settled to the satisfaction of all present. On a suggestion from Coach Root, it was decided to give old team members who have returned, the first choice of equipment and second to the other upper-classmen out, while the freshmen will receive theirs at the first meeting at the University of Chicago.

Practice will get under way the first Monday after Thanksgiving, when the team will appear at the Uni-

### PEP MEETING DUE BUT CHEER LEADER IS A MISSING ITEM

A pep meeting to introduce the basketball squad to the student body, will be held Thursday, December 5, the day of the big game.

However, something is missing. We—er—er— we don't have a cheer leader. Now howinell can one yell if there is no one to blend the noise. Say, by the way, if you, by any chance, have any cheer leading ability or aspirations rush to D. J. Neal immediately. Horn and uniform goes to the first and best. Here's a chance to star!!

An anticipated feature of the general assembly will be the proposal, to the students, of ratification of the newly amended A. T. A. A. constitution and by-laws. As members, the Tech students must accept the revised statutes before they become official.

### Freshman Ruling Is Probed By Schommer

Professor Schommer is now investigating a report that small colleges are applying the freshman rule only to basketball, football, and baseball.

If the report is true, the freshmen who were eliminated from varsity competition by the freshman rule may be able to take part in boxing, wrestling, swimming, fencing, track, golf, and tennis.

University of Chicago field-house, get locker assignments, and make other arrangements for the coming season.

**BOULEVARD CAFE**  
GERMAN KITCHEN  
25c Plate Lunch Changed Daily  
Sandwiches 5c and 10c  
31st and Michigan

### Senior Electricals Conquer Soph Mechs

Using a style of play consisting of good team work, mixed with a system of punt, pass, and pray; the senior electricals demonstrated the futility of the one man system employed by the sophomore mechs when they beat them 12 to 0 last Wednesday. The sophs, who had won their first two games against comparatively mediocre competition, in spite of, rather than because of, the system they used; failed to click on the plays that had previously been used to pile up top heavy scores.

The first half opened with the mechs receiving the kickoff. They made a short return, but lost the ball on the next play when one of Seidenberg's sky-high passes dropped into the hands of an electrical. Neither side scored during the seesaw first half with the sophs keeping the ball in senior territory most of the time. Once Engelthaler broke free over the goal but the pass was just beyond his reach.

Soon after receiving the opening kickoff of the second half, the seniors scored on a 30 yard pass to Ruppert who apparently was forgotten by the sophomores in their scramble to cover everyone.

#### Senior Juicers Win

The senior electricals won from the senior mechanicals with the wind in their favor by a score of 12 to 6 in a tense period of extra play. The cold prevented the reporter from getting first hand information on the contest (!)

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