



By Albert M. Lane

(Continued from last week)

POLITICAL CONTROL is incidental to the accomplishment of the revival. President Roosevelt has the congressionally delegated right, power, and authority to devalue the dollar to 50 per cent of its former parity at any time that he feels it expedient to do so. So long as he holds that power, stabilization is an empty dream; and so long as the present administration remains in favor, the power will be his, for the administration is out of the trader's control. Looking down the one way path—neither to right nor to left—the capitalist, impatient and chafing at the bit, seeks only to dissolve the president's position and apply the magic of sound currency. It is his wont to insist that stabilization will bring about in some unexplained manner all necessary adjustments.

THERE ARE necessary adjustments to be made. Parities must be made upon a sane economical basis. Each of the world powers must have the value of its currency determined from an accurate appraisal of the soundness of its financial position. When satisfactory appraisals have been arranged between the dollar, the pound, the franc, the mark, the lira, and the yen, internationally, commerce will have been removed from its present state of hopeless chaos. At present it is utterly impossible to make such an appraisal of any world power's financial position, for none of the powers has such a position. All of the others owe money to the United States and some of them to each other. No one knows how much anyone is indebted to the other, for each has refused to honor its war debt. None of the powers is operating on a balanced budget, nor does it seem that anyone will be in the near future.

PUBLIC OPINION in France is hard set against further devaluation of the franc. Feeling is so strong in this regard that the nation's political and financial leaders dare not abandon the gold standard and devalue. Yet, it being generally recognized that the franc is overrated, readjustment of its parity must precede stabilization. There is not, so far as is now discernable, the remotest possibility of an early removal of this impediment.

(Continued on page 3)

Radio Club Prepares for Extensive Work

Fully organized after the election of officers for the coming year, the Armour Radio Club is now prepared for extensive work on the air.

The officers elected are: L. Holmes, president, R. J. Colin, vice-president, and E. P. Kelly, secretary-treasurer.

Magazine to Feature Armour Water Plant

Many of the new ideas and methods developed through research work in the experimental water plant at Armour during the last two years are being combined in a 10,000 word article by Professor Vagtborg, and will be published shortly in either the *Engineering News Record* or in *Waterworks Engineering*. The work consists of the findings of investigations by graduate students on coagulation under various conditions of turbidity, and is a part of a 12 year program of the study of water treatment.

Two Objectives

The article will have two main divisions, including investigations of: first, the effect of reaction upon the coagulation and precipitation of suspended and colloidal matter in water of varying turbidity; and second, the effect of extended periods of reaction

(Continued on page 4)

Armour Groups Hold Three Dances Within Month; Freshmen Are First

Junior Informal On December 20

Plans for six different dances, three of them to take place within the next month, and a fourth before Christmas, have been announced by various Armour organizations during the past two weeks. The last two, while not definitely scheduled, will probably take place after the Christmas holidays.

The freshmen, with an Armour night at the Trianon on Friday, November 22, are first on the roster. Bids will be \$1.50, and the freshman social chairman hopes to reinforce his class treasury from the proceeds. The Trianon receives \$0.96 on each ticket.

Freshmen Cause Excitement

Public announcement of the freshman dance caused a great deal of excitement among the other class social chairmen, who had had no previous inkling that it was being planned. Interviewed last Friday, B. Anderson, freshman social chairman, stated that while he would like to have the support of the entire school, he expected that most of those attending would be freshmen, and that he did not believe his dance would interfere with those of other classes.

Customarily the first dance of the year, the senior informal will be second this year, following a week after the freshman affair, on November 29. A week later will come the first dance of the Armour Architectural Society, at a place yet to be announced. And on December 20, the junior class will present their annual informal at the Boulevard Room of the Stevens.

Sophs to Wait with Dance

Although they also had announced a dance to take place within four weeks, the sophomores, according to S. E. Healy, social chairman, will now probably wait until after Christmas for their affair. They plan to hold a combined dance and splash party.

The sixth dance, still a very tentative plan, is an inter-fraternity dance which will probably be open to members of social fraternities only. G. L. Savidis, president of Phi Pi Phi, has been appointed to perfect arrangements.

Both the freshman and the sophomore chairmen were of the opinion that a freshman-sophomore dance would be held again this year, but in the distant future.

Other social plans are still more indefinite, although the freshman chairman is considering using the proceeds from the Trianon dance to give a series of smokers.

Rice Delegate to Pi Tau Sigma Conclave

Pi Tau Sigma, National Honorary Mechanical Engineering Society, will hold its annual conference at Purdue University from November 14 through November 16.

Among the important discussions will be reports on the progress and the accomplishments of the different local chapters. Representing the National Council of Pi Tau Sigma will be the student members of the engineering schools. The Armour chapter has chosen A. H. Rice as its delegate and D. E. Howell as alternate.

Campus Club to Hold Initiation at Smoker

Fifteen pledges will be initiated to the Campus Club at a smoker on Friday, November 22. Last Thursday the members of the Campus Club started a ping pong and a pool tournament which is expected to last until about Thanksgiving. The winners of the two tournaments will receive awards, probably in the form of club pins.

ENGINEER WILL BE OUT TOMORROW; USE LARGER PAGE

Featuring a striking cover design, a new size of page, and a new style throughout, the *Armour Engineer and Alumnus* will make its debut tomorrow morning. The revised publication now serves the combined interests of the Institute, the students, and the alumni, and has a total circulation of 4,000, which includes free distribution to the alumni.

The increased circulation makes it possible to secure additional advertising and a very favorable printing contract, but of prime importance is the fact that "by contacting the alumni regularly, the magazine is serving the school and alumni to such an extent that both the Institute and the Alumni Association have contributed to the cause," says H. P. Milleville, comptroller. Under the present plan of free distribution of the magazine to the alumni all students are subscribing now for the issues which they will receive after graduation.

Joint Meeting of Societies Friday

The A. S. M. E. will present Dr. J. L. Burns of the Republic Steel Company in an address before a joint meeting of the professional societies, the A. I. Ch. E., A. I. E. E., A. S. M. E., and W. S. E., to be held Friday, November 15, at 10:30 in the assembly hall. It was originally anticipated that Mr. R. S. Archer, also a metallurgist of the Republic Steel Company, would be the speaker. Because of the fact that Mr. Archer is obliged to preside at a meeting in Cleveland, of the American Society of Metals, he will be unable to deliver his address as originally planned.

Dr. Burns to Speak

Dr. Burns, the speaker in his stead, is a nationally known figure of the metallurgical world. As a former instructor in metallography at Harvard University he is especially well qualified to discuss the subject of his talk, "Reasons for Controlling Grain Sizes in Steel."

Grain Size of Steel Important

According to A. M. Lane, president of the A. S. M. E., the last few years have seen intensive research to determine the effects of grain size upon the physical properties of steel. Control of such sizes has come to be recognized as one of the most important phases of steel manufacturing. Extensive research in this field has been done by Dr. Burns, who has presented the results of his work before various professional societies. He is a member of the American Society of Metals and is recognized as an authority on plastic deformation in metal and the causes for premature precipitation in supersaturated solutions.

Science Students to Hold Theatre Party

Next Saturday, November 16, the engineering science department will come together in the first social meeting in the department's history. Charles Wilbur Leigh, professor emeritus of analytic mechanics, will be the honored guest of a party which will be composed, in addition, of Professors Bibb, Paul, Penn, and Thompson, and the nine science students.

The party will attend a performance of "Thee Men on a Horse," and will then have dinner at the Old Heidelberg Inn.

Tau Beta to Hold Reunion Banquet

Tau Beta Pi will hold a reunion banquet next Friday night in the Swedish Club at 1258 N. LaSalle St. It is expected that about one hundred will attend, including seven student members, nine pledges, about fifteen professors who are Tau Betes, and the rest alumni.

The evening will start off at 6:45 with the initiation of the following men: Donald C. Graham, John H. Johnsen, John F. Kahles, Victor J. Kropf, Albert M. Lane, Theodore S. Ramotowski, Wesley S. Weiting, Otto Zmeskal, and Gordon A. Zwissler. Following the initiation will be a steak dinner and then a Monte Carlo smoker.

Each of the pledges is working on a one-thousand word theme on the subject of the pledge's reaction to the education of engineers at Armour Tech.

Alumni Rally at Medinah Tonight

This evening the Armour Tech Alumni Association will hold its annual autumn rally in the main ballroom of the Medinah Athletic Club, the banquet and festivities starting at 6:30 p. m.

Brown of Chicago Herald to Speak

The entertainment planned for the evening has assumed pretentious proportions. Warren Brown of the Chicago Herald and Examiner, well known to everyone through his daily column in the sports pages, will address the gathering. Another principal speaker will be Pat Barnes of the National Broadcasting Company. Willard E. Hotchkiss, president of the Institute, and James Cunningham, chairman of the board of trustees, will answer any and all questions from the floor, regarding Armour Tech's welfare—past, present, and future. John J. Schommer, the genial professor of industrial chemistry, will again assume the roll of toastmaster that he has so capably fulfilled at alumni banquets during the past years. The one hundred glee club and orchestra members under the direction of O. Gordon Erickson will again provide the musical entertainment during the evening. For this banquet, these musical organizations have planned many entertaining novelties and new innovations that will be unusual and distinctive.

Students Are Invited

Announcements of this banquet have been sent to all alumni, faculty members, and trustees in an effort to make the rally an outstanding success. Students are also invited to attend, and those wishing to do so may secure tickets from Professor Schommer.

Cast for "House of Juke" Is Completed

The life of the famous degenerate Juke family will be depicted Wednesday morning, November 21, on the Armour stage. The Armour players, directed by Professor Hendricks, will present a free performance for the benefit of the student body entitled the "House of Juke." This play, which the faculty club presented last semester for its amusement, is patterned somewhat after the stage hit, "Tobacco Road" which was so unfavorably received by Mayor Kelly.

The cast, which was completed recently, consists of L. Cuneo as Jeebel Juke, and R. Dodge, R. Weissman, and M. MacConnell who will play, respectively, the parts of Sam Juke, Jake Juke, and Juke Juke.

S. M. Miner is stage manager for the players, while R. Lischer will handle the scenery, J. M. Kubert will handle the lighting, and W. K. Emerich the properties and cast. According to Miner, positions on the stage crew are now open and new men, especially freshmen, are being urged to join.

"Cycle Cost Is Not Excessive," Davis

"The price that we are asking the honoraries for a double page in the Cycle is not excessive considering the expense involved in putting it up," said J. B. Davis, editor-in-chief of the Cycle, when questioned last week about the high cost of the annual.

"Not New Price"—Davis

"This talk about the Cycle increasing its rates over former years is wrong. Except for the last two years, when due to the depression the rates were lowered, the cost of the Cycle has always been the same, and the price that we ask is merely a return to the former level.

"It does not seem to me, that when you consider professional societies like the A. I. Ch. E. and others with memberships of fifty or over, a cost of twenty dollars is too great a hardship. When it comes down to arguing whether each man will pay twenty-five or fifty cents, it seems like splitting hairs."

That is what the the Cycle has to say about the situation. The honoraries' side of it will come out when the committee of A. M. Lane, L. Robbie, and O. Zmeskal meets some time this week.

Cycle Will Be Published

In the case that the honoraries refuse to pay the required \$30, the Cycle will simply go on without them. J. B. Davis said that if this occurs the quality of the Cycle will be seriously impaired, but that it will be published.

Further complications have arisen to cloud up the picture. Representatives of the social fraternities stated last week that they would probably string along with the honoraries, and do whatever they do. If both the social and honoraries refuse to pay, the Cycle will be placed in a serious position.

Cycle Appointments Completed for 1936

All appointments on the staff of the Cycle for 1936 have now been completed. The editor, J. B. Davis, was appointed last spring. The following men have been appointed by the editor and approved by the Board of Publications: art editor, F. E. Davidson; advertising manager, W. F. Schreiber; business manager, W. A. Chapin; circulation manager, E. M. Imbur; circulation assistant, L. Sorkin. Associate editors are P. M. Martin, college editor; E. H. Brink, feature editor; L. Lange, organization editor, and E. A. Heike, sports editor.

The four departmental editors will compete for the position of editor of the Cycle for 1937.

Chemical Society to Hold Informal Dinner

Armour's student branch of the American Institute of Chemical Engineers will hold a joint meeting on Wednesday evening, December 11, in conjunction with the senior section of the society.

Opening with an informal dinner, the evening will be occupied in the main by a program of talks by students on the results of study of unit operations at the Chemical Engineering Laboratories. The men who will present the talks are to be named this week. The papers will be followed by an inspection of the laboratories. N. Balai will be in charge of the annex labs, L. Robbie will supervise the senior engineering lab, and P. R. Schultz the junior engineering lab.

Difficulties arising out of the participation of juniors in the programs were discussed at a meeting of a committee of four seniors and four juniors. A new constitution was adopted which provides for four members of the sophomore class to be elected each May in order that they may take their positions as the junior division of the program committee the following year.

SELECT MEDINAH CLUB AS SITE OF SENIOR INFORMAL

Dance to Take Place November 29; Emil Flindt to Play

BIDS ARE \$1.50

Armour's first major social event of the year, the senior informal, will be held in the

Grand Ball Room of the Medinah Club on the evening of November 29, which is the day after Thanksgiving. The dance will be given in cabaret style, and will feature the music of Emil Flindt and his eleven-piece orchestra.

R. M. Paulsen

No Free Bids Offered

Bids are being offered at \$1.50 in answer to a clamor for a \$2.00 dance at a lower price so that more members of the class can attend at least one dance before they graduate. Since only 225 bids will be sold, and because of the high cost of each bid, there will be no free bids. This will prevent groups of ten bids becoming stagnated in the hands of men trying to secure a free bid. A daily period will be set aside, probably from 12:45 to 1:00, during which bids will be sold in the lobby of the main building.

The Grand Ball Room, with the spacious lounges and check room facilities, takes up the entire seventh floor of the building. The room is decorated with pillars and figures in Egyptian style, and is large enough to accommodate a thousand people, although the largest number at this dance will be four hundred and fifty. The entire floor space will be used, insuring ample dancing room even if everyone were to be on the floor at the same time.

Noted Orchestra Engaged

Emil Flindt, whose orchestra will play at the dance, was a band director before the War, but has converted his band into an orchestra. He and Wayne King, who started in his orchestra as a saxophonist wrote the song "The Waltz You Saved for Me." His orchestra is now playing at O'Henry Park, the place where the orchestras of Hal Kemp, Ozzie Nelson, Seymour Simons, and Little Jack Little got their start.

Ample Parking Space

Parking worries are alleviated because space is available on Michigan Boulevard, Grand Avenue, and on the level directly below the Michigan Avenue entrance.

The senior social committee consists of R. M. Paulsen, chairman, and a representative of each department: D. C. Graham, D. E. Howell, I. M. Hughes, E. W. Olson, G. W. Ormsby, L. W. Robbie, and E. J. Wolniak.

Chi Epsilon Pledges Four Upperclassmen

After appropriate ceremonies at the Triangle house last night, Chi Epsilon, honorary civil engineering fraternity, pledged four upperclassmen. The men honored are Lewis Zwissler, junior; and J. Edward Linden, Sven T. Nylan, and John S. Styrschi, seniors.

Chi Epsilon selects members from the upper third of the junior and senior classes in civil engineering but, as in other honoraries, it is customary to recognize but one junior in the fall election.

At present the active members are R. R. Johnson, president, J. Galandak, J. O. Larson, T. S. Ramotowski, and G. A. Zwissler. Faculty members include Professors Ens, Spears, Stevens, Penn, Wells, and Dean Heald.

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Get a Handbook!

When the Armour student directory and handbook comes off the presses in the near future it will answer a demand that has been voiced more and more loudly of late by Armour students, who have felt that full information about all school activities ought to be made easily accessible to every one. Of particular interest to all of us is the fact that the full text of the A. T. A. A. constitution will be published in the booklet. Although every Armour student pays \$15 a year into the fund administered by the A. T. A. A. board of control, it is probable that the total number of students who have read the constitution could be counted on the fingers of both hands. Every student should obtain a copy of the handbook and read the A. T. A. A. constitution.

STUDENT OPINION

For Real Social Sciences

The men graduating from Armour after June, 1936, will, unless some change is made, leave Armour lacking an all-important essential to culture that men of the preceding classes had the opportunity of securing in as compact and short a form as was ever developed.

In this respect, I recognize that the revision of curriculum in 1933 had, and still has, as its basis the general and sound idea that engineering education can be a very effective approach to culture. Here culture, in Dr. Hotchkiss' own words, is "a development of the personality, a discipline of the mind and emotions, and a preparation for living and doing one's work in society." In the first approach to our notion of culture this concept of it is one of the best yet developed. However, it lacks something—something which according to the original plans for changing the curriculum was to be emphasized more, instead of less.

In 1932 appeared a pamphlet, now well known among educators, entitled *Educating the Engineer*. The pamphlet was published by Armour Institute of Technology and discloses the basis for the changes planned. It states: "One of the most significant parts of the Development Plan is the revision of curriculum to include more of the humanities subjects. We do not believe that a man can be considered as educated, even in the scientific sense, unless his knowledge includes something more than a mere acquaintanceship with the humanities. History, literature, philosophy — these are as much a part of the sum of human understanding as are physics and mathematics, and the man who is to lead the way in engineering must have both."

Culture, in a broad and well balanced sense, is best defined as an "awareness of the universe." How can anyone really be aware of the universe if he knows nothing more than a mere acquaintanceship with the humanities? Such lack of these essentials to culture becomes painfully evident in social contacts later in life as prominent engineers have revealed.

It was in Dr. Scherger's courses, particularly his History of Civilization course, where Armour men were given the opportunity of securing the essential fundamentals of the humanities — not smattering bits of in-

formation. It was there that many a student had his interest sharpened on some topic that leads to outside reading and refined enjoyment extending throughout his life. The lecture course took two hours a week in the freshman year, almost an insignificant amount of time. It dealt strictly with the humanities. It was not a business, industrial, or commercial subject labeled social science! To me it was one of the high spots in my education at Armour.

I wonder how many other seniors feel that way I do in this matter — if I am alone in appreciating these values.

Yours sincerely,
Howard P. Milleville, '36.

Wants "Hot" News

With due apologies for the slang expression, allow me to express a "merry horse laugh" at a recent announcement posted by the *Tech News*. This struggling and budding young newspaper, which is supposed to be instilling into its workers, at least a few of the fundamental principles of journalism, has the audacity openly to violate one of the cardinal rules: "Print news when it's news." The reference is to the recent announcement that fraternity notes must be turned in by the Thursday preceding publication date. It seems that four day old news was too fresh, the *News* had to demand that it be held over to at least five. Yet some day the *Tech News* will develop out of the category of a statistical report and become a "newspaper."

S. M. Miner.

Tradition and Finance

Lately much criticism has been hurled at the social chairman of the various classes because of the fact that there are three or four dances taking place within a very short space of time, starting on November 22nd, followed by the Senior Informal at the Medinah, on the 29th and so on, to the Junior Informal on the Friday before the Christmas holidays.

I wish to state that this would not have happened, had the traditions regarding the dates of class dances been followed by some of the social chairmen.

It has been the custom for the past four years to hold the four class dances at well spaced intervals during the school year in order to avoid one's interfering with another.

In this spacing, the senior dance was given the preference in having either the latter part of November or the first part of December for their dance, the juniors immediately followed with a dance in the middle of January, and the other classes followed in order up to the junior formal at the close of Junior Week. This arrangement is the only fair one, and doubtless each class will expect to have the consideration when they become seniors.

However, the senior class is in no way offended by what has taken place this year, and merely wishes to state that if other dances should suffer by their proximity to the senior ball, that it is the fault of those who inaugurated the other dances.

For the future it would be well for financial reasons and from the standpoint of school spirit, if the traditions in regard to class dances were re-established.

R. M. Paulsen.

Freshman Dance

The dance we are staging on November 22 at the Trianon Ballroom is solely for the purpose of raising funds with which we intend to use towards various other social functions in the future. The size and quality of these social functions will largely be regulated by your support of this dance.

In presenting this dance at this early date we had no intentions of breaking any school traditions. Our sole intention in starting our social events sooner than usual was to enable the fellows to become better acquainted.

As members of the freshman class we hope to see you there.

The Social Committee:

Bolton Anderson, Chairman,
Jerome Cump,
Irving Footlik,
Norman Rice,
Raymond Starmann.

"The Slipstick"

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

The Slippery Slip

The typographical error is a slippery thing and sly;
You can hunt till you are dizzy, but it somehow will
get by.

Till the forms are off the presses it is strange how still
it keeps;

It shrinks down into a corner and it never stirs or
peeps—

That typographical error, too small for human eyes—
Till ink is on the paper, when it grows to mountain size.

The boss he stares with horror, then he grabs his hair
and groans;

The copy reader drops his head upon his hands and
moans.

The remainder of the issue may be clean as clean can be,
But that typographical error is the only thing you see.

—Knoxville (Ia.) Express.

* * *

A squad of Ethiopian recruits had been taken out to
the rifle range for their first try at marksmanship. They
kneeled at 200 yards and fired. Not a hit. They were
moved up to 150 yards. Not a hit. They tried at 75. Not
a hit.

"Tenshun!" bawled the colored sergeant. "Fix bay-
onets! Charge! It's your only chance."

* * *

He: "Have you ever been kissed before?"

She: "Y-y-yes, c-c-cause I n-never could s-say n-n-no
fast enough."

Francois.

* * *

"There is some co-operation among the wild crea-
tures." The stork and the wolf usually work the same
neighborhood.

* * *

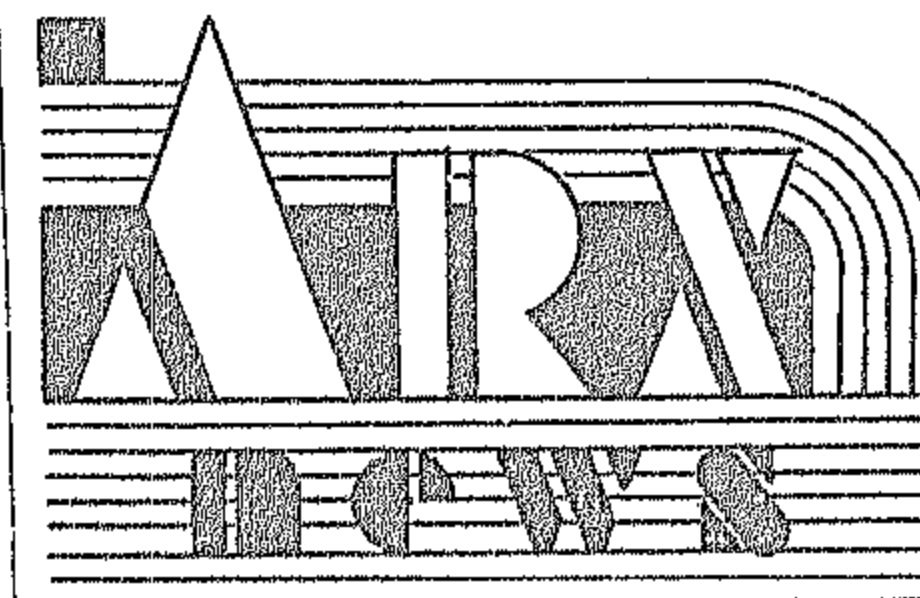
Our Alma Mater

It's a grand old college we are going to.

She's mighty hard to beat.

We get a thorn with every rose;

But aren't the roses sweet?



The age-old custom of "niggering" has once more been restored within these lofty portals, by the efforts of Ted HOFMEESTER, but so far as we know the afore-mentioned custom has never gone out of existence. The only difference is that it is now on a larger scale and very much more evident, but how could it help being so when the whole JUNIOR class turned out to help the SENIORS and the SOPHS lowered their dignity to nigger for the FRESHMEN. However the whole thing is merely a racket because the present "niggers" expect the others to help them when they are in need, that is, they hope so.

Besides starting the new craze for niggering, HOFMEESTER almost started a riot during his culture class, during which he went far enough

from the subject to discuss some of the so-called representative paintings of the U. S., but in spite of his "mild" expletives, Ted was very sincere and gave us "food for thought" to say nothing of adding to our vocabularies.

ARX NEWS would like to bring forth an original idea, but only as an idea, so here goes... each of the students have at one time or another brought a visitor (lady) to the department but always at a time when nothing was happening, and the idea was to have a "Visitor's Day" and to put many of the different products of the department in general on exhibit. Each one of you could act as personal guide with a personal interest, both the visitor and the school, but it is only an idea, so think it over.

The ARX could learn how to tame most of the profs from their half-brothers, the "engineers." Experience has probably taught them that the system they now use is the most effective, the same one they used in the grade schools. Anyhow the day after SHOLTO SPEARS gave the junior civils a quiz in strength of materials, he found thirty-one shin-

Senior mechanical: "Honestly, now, you would never have thought this car of mine was one I had bought second-hand, would you?"

Professor Roesch: "Never in my life. I thought you made it yourself."

* * *

PARTLY WITHDRAWN

Congressman Johnson of Indiana called a colleague an ass and was ordered to withdraw.

"I withdraw the expression, Mr. Speaker," he said, "but I insist that this gentleman from Illinois is out of order."

"How am I out of order?" yelled the man from Illinois.

"Only a veterinary surgeon could tell you," was the retort.

* * *

Every time a tax assessor comes around a man is glad he doesn't own the earth.

* * *

—"and I was marooned for two years on that desert island with this woman!"

"—Oh, you lucky dog!"

"Lucky, hell! She was my mother-in-law!"

* * *

Freshman: "Is the hot water running in the main building?"

Senior: "Sure, it has to run to keep warm."

* * *

Night Watchman: "Young man, are you going to kiss that girl?"

Young Man: "No."

Night Watchman: "Here, then, hold this lantern."

* * *

"Mama, where do little babies come from?"

"Such a silly question, Junior. Run and ask your father."

A minute or so later, "Mama, Daddy says you haven't told him either — and we'd both like to know?"

* * *

Barber (whispering to new helper). "Here comes a man for a shave."

Helper: "Let me practice on him."

Barber: "All right, but be careful and don't cut yourself."

* * *

"You got a nice skid there," exclaimed the traffic cop as John's car came to a halt within an inch of a telephone pole.

"Pardon me," said John haughtily, "this lady is my wife."

A. M.

ing, red, luscious apples on his desk. No more, no less, thirty-one apples, now you count 'em. SPEARS was heard to say that he had eaten each and every one of the apples! Something is wrong; he was in class the next day.

Who said chivalry was dead? It was only lying dormant waiting to be revived, and that honor now belongs to none other than Charlie PFEFFER. The other day SIR CHARLES, in memory of Raleigh, spread his "satin" smock over a dusty stool on which the "LIFE" model was to pose. The gesture was nobly done and equally as well appreciated. In the "old" days such gallantry was always rewarded, but now...

Mr. Krehbiel's water-color-slingers came through in great style and a great majority voted. Special attention must be called to RAMP and JOHNSTONE who received a First Mention apiece.

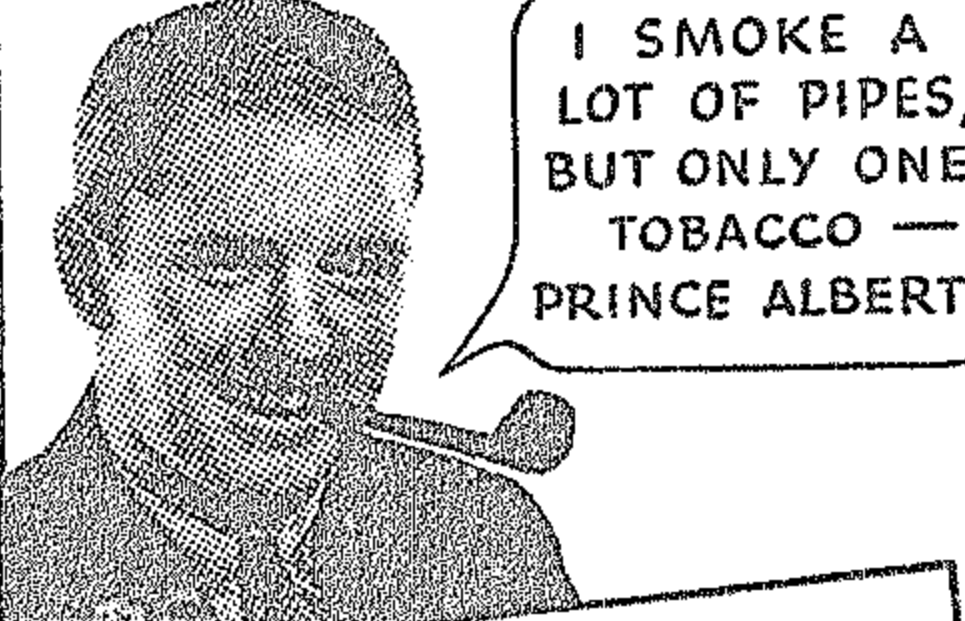
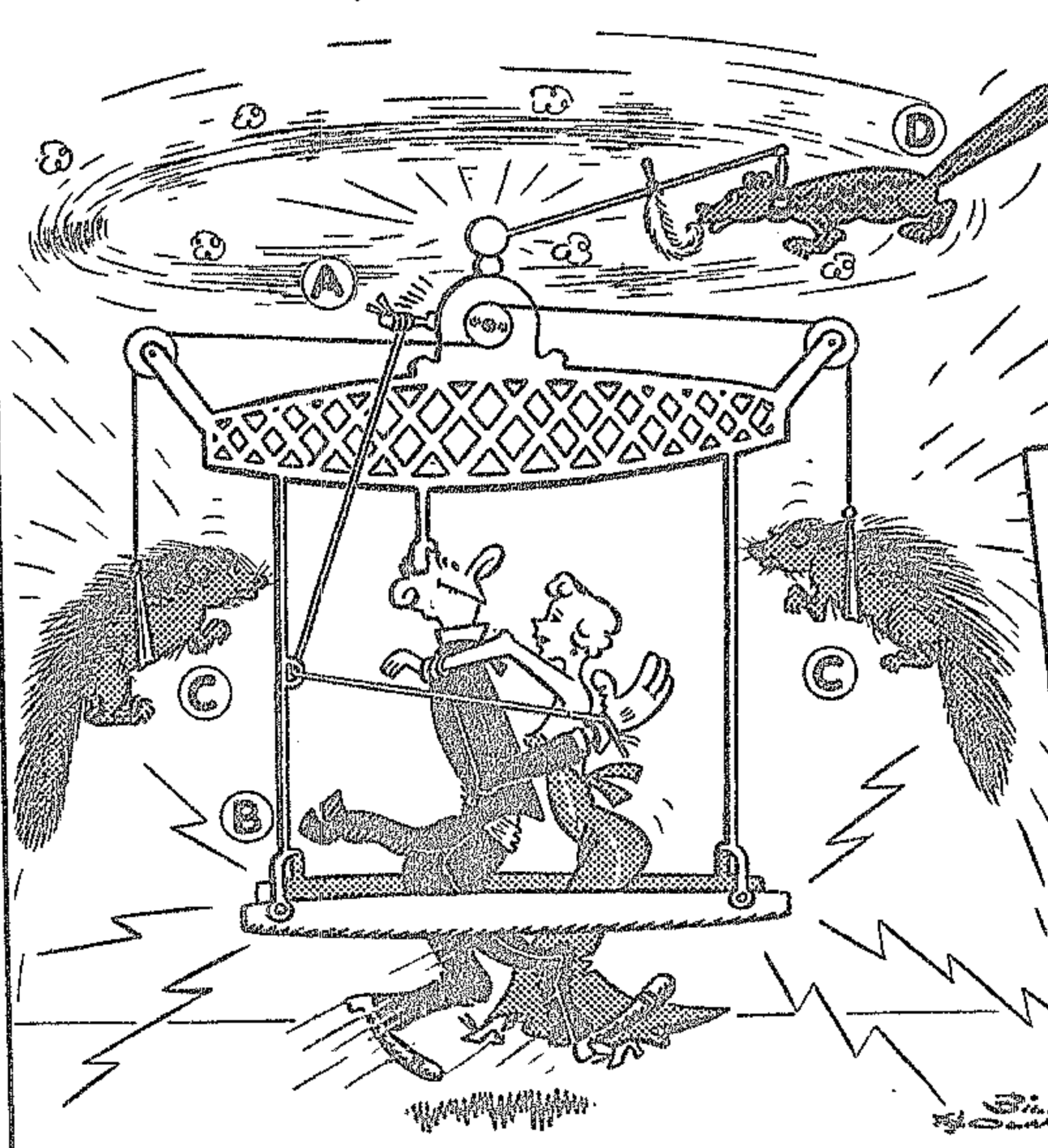
IVAR VIEHE - NAESS walked away with the medal for the summer sketches, just as was expected. The runners up were ROSEN and KOHN, each given a mention.

TOM TAX.

EASY WAY TO GET ROOM ON DANCE FLOOR

AND AN EASY WAY TO ENJOY A PIPE

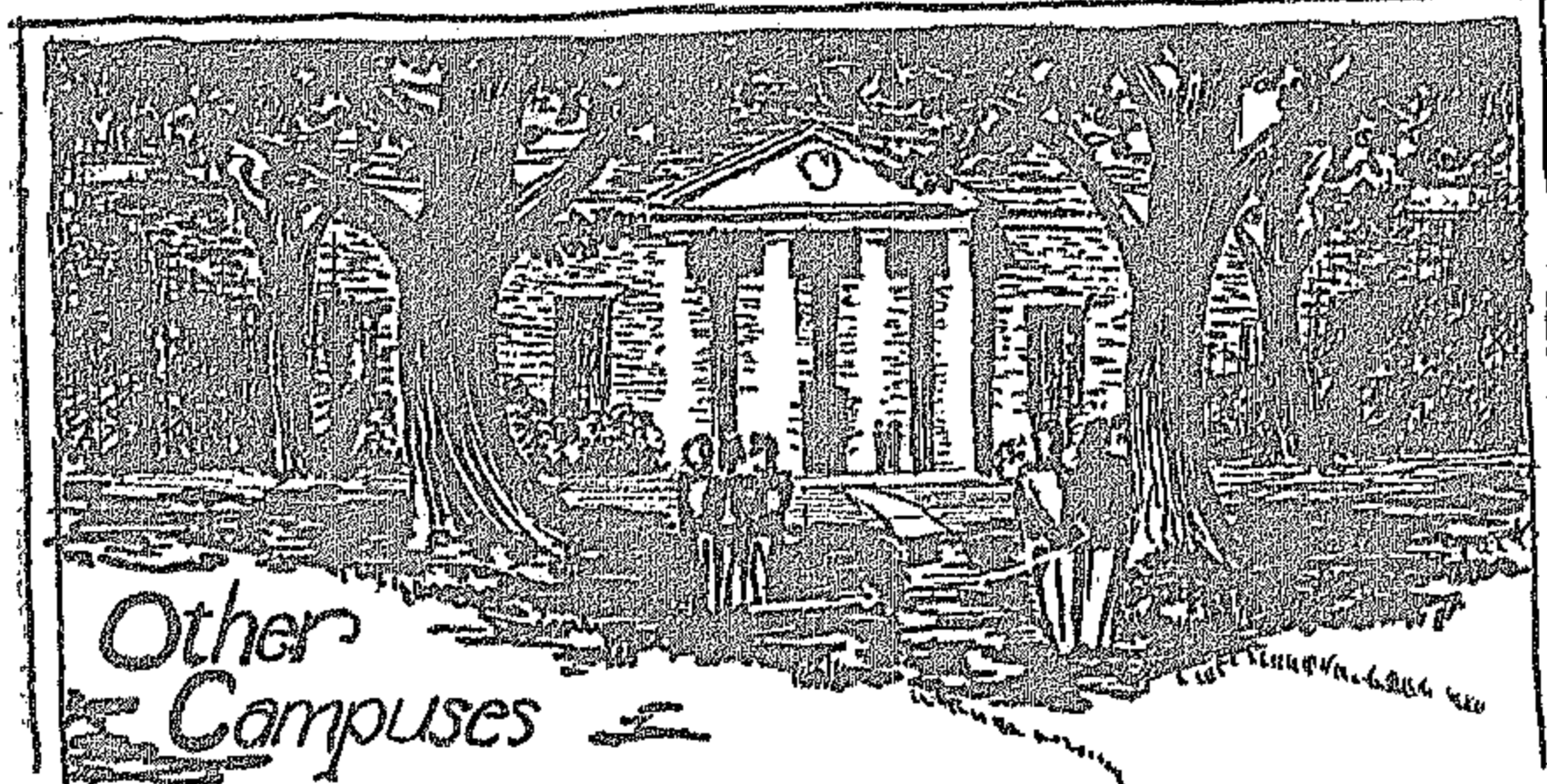
STUDENT
LIFTS ARM TO
START DANCE—
THROWING
SWITCH ON
ELECTRIC MOTOR
A WHICH
ELECTRICALLY
CHARGES
BUMPER B
AND LOWERS
TWIN PORCUPINES C AS
SKUNK D IS
PROJECTED OUT
ON END OF
REVOLVING
POLE. FEATHER
TICKLES SKUNK
AND MAKES
HIM MAD THUS
ASSURING
PLENTY OF
ROOM. P.S.
IF ORCHESTRA
ALSO CLEARS
OUT GO FOR
A WALK IN
THE PARK



I SMOKE A LOT OF PIPES, BUT ONLY ONE TOBACCO — PRINCE ALBERT!

WHY P.A. TASTES SO MILD
THAT FRIENDLY P.A. FLAVOR COMES FROM CHOICE TOBACCOS — WITH ALL THE "BITE" REMOVED. P.A. IS ESPECIALLY CUT THE "CRIMP CUT" WAY AND PACKED IN A BIG ECONOMY TIN
PRINCE ALBERT
THE NATIONAL JOY SMOKE!

Copyright, 1935, E. J. Reynolds Tobacco Company, Winston-Salem, N. C.



By E. R. Johnson and T. H. Watts

Columbia university has a regular "wakerupper." For a consideration paid in advance, he makes the rounds, shaking out sleepers in time for class. Height of the university's social season is also the peak time for his income.

Maine's "cocktail college" was closed because pupils were too enthusiastic about sampling their own concoctions. This sounds rather harsh on the stewdents. Now they can again sing "Fill the Stein."

Sophomores at Haverford take a comprehensive examination containing 2725 questions. It requires 12 hours to complete the test. (And here we take sophomore physics and spend 12 hours on one of those "—!!\$; problems twice a week.)

According to an announcement from the University of Illinois, plant molecules have been brought within man's microscopic vision. Which is our idea of making a mountain out of a molecular—or should we say molehill.

"Nobody loves a fat man," says the old adage. Now Professor Walter B. Pillsbury, head of the University of Michigan psychology department, finds that fat students are less brilliant than slim ones.

Students at Columbia reversed the tables and gave the faculty an

intelligence test. The tests, conducted by the Spectator, campus newspaper, indicated an average mental age of 20.

Men who wear suits at the University of South Carolina are labeled capitalists. Wonder how an economics prof would rate a nudist?

Gatekeepers at Ohio have a novel way of deciding whether or not you're sober enough to enter the football stadium. If you can wiggle your thumbs in unison you are o. k. Otherwise you watch the game from a telephone pole.

Fraternity Notes

Mothers' Clubs Meet
Three of the fraternities held "Mothers Club" teas last week. The mothers and members of Delta Tau Delta, Phi Pi Phi, and Pi Kappa Phi spent the afternoon playing bridge, discussing future plans, and in general having a good time. Phi Kappa Sigma's club plans to have a bridge party next Saturday evening at 8:30. The plans being made provide for a large attendance.

Many Hold Dances

Other social events of the past week included the annual Rho Delta Rho pledge dance last Saturday which was well attended by alumni, actives, and pledges. Professor and Mrs. H. L. Nachman and Mr. and Mrs. Jack Landis were present. The latter is president of the alumni chapter.

Triangle is planning to hold a dance jointly with the Northwestern chapter in the near future.

Delta Tau Delta men made merry last Friday evening at their house dance.

The future holds promise of more fun making at the Phi Pi Phi and Pi Kappa Phi houses. The Pi Kapps definitely plan to have a dance on November 23—courtesy of the pledges, and the Phi Pi's anticipating a radio dance also in the very near future.

Rushing Goes On

Rushing is still going on in the fraternities, Sigma Alpha Mu having pledged David Rodkin, M. E., '38. The members of Theta Xi intend to become active on this phase of fraternity life simultaneous with

their moving into new quarters just above the Social Science department sometime next week.

Theta Xi is offering congratulations to brother Peter Slugg on his being pledged to Eta Kappa Nu.

Athletics in Limelight

With the crisp fall air in their nostrils, everyone is feeling athletic. All of the basketball and touch-football teams are practicing. Some preliminary games have even been scheduled.

Delta Tau Delta is all pepped up for its first practice basketball game with Triangle, which is also all pepped up. A touch football game is scheduled between the Deltas and the Pi Kapps.

All of the Phi Pi's are "het up" over the pool and ping pong tournaments going on at their house. Odds are being quoted by Handicapper PHALEN.

Groups Visit Illinois

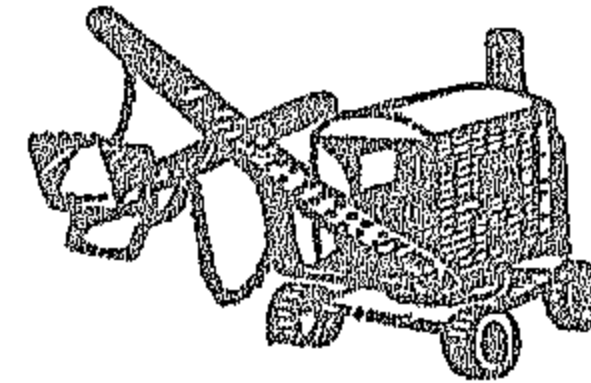
The Phi Pi's had additional excitement Thursday when Mr. McNulty, president of the Marblehead Lime Company, was a luncheon guest.

Fred Jost, say the Pi Kapps, seems to have an extra sweet tooth. In cooking pork chops the other day he used powdered sugar instead of flour.

Lots of social visits are in order. Pilgrimages were made on a large scale to Illinois for the home coming game last Saturday. Five Phi Kaps went as well as many men from the other houses. The Phi Kaps are also eagerly looking forward to the Thanksgiving dance to be given by the Northwestern chapter.

A Monte Carlo smoker for its alumni kept Triangle up late last Friday evening.

THE STEAM SHOVEL



Bob Paulsen's advice to the profs has the unanimous backing of the rest of us when he sez: Either give homework and let students sleep in class, or don't give homework and let students sleep at home.

In case Herbie Enaz doesn't know it, that lock on his office door, which he persists in locking and unlocking, is OUT OF ORDER.

Henceforth "NINE TEN" LEVON will be more careful about when to yell "Here!" in his sleep.

J. R. Bunce has a good time telling jokes to the freshmen during class. Anyway there's one guy who enjoys them.

APOSTLE STEVENS, ST. MAACK, DISCIPLE GRAY, REVEREND BALAI and FATHER GILKISON, joint sponsors of the NEW Legion of Decency, have distinguished themselves and therefore will be represented in the hall of fay-fairies.

HAL HEIDMAN went to Galesburg one Saturday and contracted a cold. Our guess is that either she was an icicle or that he slept with his mouth open.

And we hear that Louie Zwissler caused SHOLTO M. SPEARS to lose

Studebaker Plant Is Inspected by A.S.M.E.

Seventy-nine members of the Armour student branch of the American Society of Mechanical Engineers inspected the Studebaker plant at South Bend last Wednesday. The students met at the proving grounds in the morning where Mr. de Blumenthal showed them the work of the experimental laboratory on acceleration and velocity factors, center of gravity, and inertia.

From the proving ground, the group drove to the main plant where they went through the main experimental laboratories. Engine tests were being run and tests of electrical apparatus, speedometers, horns, and other equipment were being made.

At noon the group had lunch at the Administration building. In the afternoon a tour of the foundry, machine shops, body shops, and assembly lines was made under the direction of Mr. G. Wolf.

his equilibrium completely last week, merely by pulling a punk pun.

And now dear gentle readers (the soft soap is necessary), if you by any chance find yourself exposed to some free publicity, don't load your shotgun or draw your grade book, for, after all, it is possible for these bits to be written from contributions.

MOTOR CLUB INN BANQUETS A SPECIALTY

"We Cater to Students"
Moderate Prices—Big Variety
33rd and Michigan

Students Learn Slide Rule Tricks

That the Armour students are keenly interested in the use of their very much used instrument, the slide rule, was shown by the large number of students who attended the meeting of the Math Club last Friday morning, to hear Mr. William W. Gorsline speak on "How to Manipulate a Slide Rule." Mr. Gorsline is professor of Mathematics at Wright Junior College, and has taught courses in the use of the slide rule at that school.

Mr. Gorsline included in his talk a brief history of the development of the slide rule, a well presented theory on the location of the decimal point, based on logarithms. He showed the use of the C I scale in facilitating slide rule use. Several examples were given in demonstration of the theory.

SIDELINES—

(Continued from page 1)

BEFORE STABILIZATION can be accomplished, in addition to provisions for final settlement of the war debt problems and for national budget balancing, there must be established a reasonable freedom in international trade. Until such time as the present era of governmental experimentation has run its course, there can be little possibility of obtaining the needed freedom. It is fundamental that a new order of government, to maintain its popularity, must secure for its people advantages not previously available. The impossibility of rectifying a bankruptcy from within makes it mandatory for reorganization governments to strive for superlatively favorable trade balances. It compels them to maintain import restrictions while yet contriving to force foreign market advantages for their export commodities.

THE BANKING and business interests will promote propaganda in support of their contention that to await these adjustments would but postpone stabilization indefinitely. They will propose and support the theory that stabilization itself will accelerate and bring about the necessary changes. If the public can but realize that the record of the past is the precursor of the future, a tragedy will be averted. Should it fail, however, to have drawn from the post-war lesson an understanding of the collapse that must accompany stabilization without removal of the causes of its failure, it shall soon encounter new and more serious currency disorders.

"Camels don't get your Wind"

FAMOUS GOLFERS SAY

CRAIG WOOD (right)—Tommy Armour—Helen Hicks—Gene Sarazen—Bill Mehlhorn—Denny Shute—Willie Macfarlane!

Their names sound a roll call of tense moments that have made golfing history, when prime "condition" and healthy nerves were at a premium. All are outspoken in their preference for Camels.

"Camels are so smooth and mild they never affect my wind," says Craig Wood, pictured at the right as he paused to smoke a Camel. Willie Macfarlane adds: "Camels are mild. They don't get my wind." Miss Helen Hicks brings up the feminine viewpoint. "There's a delicacy of flavor in Camels that appeals to women. Camels never interfere with one's wind." And Denny Shute says: "I switched to Camels years ago. I smoke them constantly, without upsetting my nerves or disturbing my wind."

You'll Like Their Mildness Too!

Such experiences with Camels can be matched right among your own friends. You'll like Camels too. Camels are made from costlier tobaccos. They never tire your taste.



COSTLIER TOBACCOS!

Camels are made from finer, MORE EXPENSIVE TOBACCOS ... Turkish and Domestic ... than any other popular brand.

(Signed) R. J. REYNOLDS
TOBACCO COMPANY
Winston-Salem, N. C.

TUNE IN! CAMEL CARAVAN with WALTER O'KEEFE DEANE JANIS • TED HUSING • GLEN GRAY AND THE CASA LOMA ORCHESTRA • Tuesday and Thursday—9 p.m. E.S.T., 8 p.m. C.S.T., 9:30 p.m. M.S.T., 8:30 p.m. P.S.T.—over WABC-Columbia Network.

So Mild! YOU CAN SMOKE ALL YOU WANT

In every-day life, physical fitness plays a big part too. Life's more fun when you feel good. So mark what champions and star athletes say: Camels don't get their wind and don't ruffle their nerves. That's real mildness. Try Camels yourself, and share in the enjoyment of Camel's mellow flavor that means so much to others.

ARKANSAS CONTEST TO START SEASON FOR TECH CAGERS

Merz to Be Back in Lineup Before Opener

FIRST GAME DEC. 5

With the first game less than a month away the Tech cagers are swinging into their practice in earnest, determined not only to do as well as last year, when they won eleven out of sixteen, but to go even better and win them all. With only two of last year's regulars gone, the team is almost the same as the one that did such noble work in taking eleven of their first thirteen games.

North Central Team to Beat

The season begins on December fifth with the boys from way down Arkansas way coming up to the Armory to get licked, we hope. Other contests will follow in rapid succession, each time with the home boys out on top, again we hope. However, one of the few games that looks doubtful is the encounter with North Central on their home grounds. Armour has lost every contest with them in the last six years, but, as their team regulars graduated last June, it is thought that we might turn the tide and do a little winning on our own part.

Based on their last year's showing, it would seem that, barring unforeseen accidents, the men will take practically every game. Lake Forest should fall easily, and Wheaton, though a stiff team, has yielded fairly consistently to the Tech attack. Michigan State Normal, who lost both their games last season, should follow suit this year. George Williams hasn't been much trouble, and Chicago, despite their big ten label, haven't been the best competition. Arkansas, Carroll, and Detroit U. are all new teams and so can't be counted upon to drop their games, and judging by their showings last year in their own leagues they might prove rather stiff.

Team Not Cut Yet

All of the men, of which there are some nineteen or twenty, show promise in their respective positions and will probably be in as fine shape as last year. The guard combination of Warner and Dollenmaier, co-captains, is functioning as of last year and Heike is sinking his line shots with regularity. Merz, regular center, is out of the running at present with a twisted ankle suffered in a recent practice and is limping around school on a cane. He says that a few days will show enough improvement so that he will be able to resume practice and be ready for the first game.

THREE TEAMS OUT AS FAIR WEATHER SPEEDS TOUCHBALL

SOPH. M. E. TAKE JR. E. E.

Using the same rough and tumble tactics that characterized their previous game, the sophomore mechanicals downed the junior electricals by a score of 24 to 6.

Early in the first half, the sophs placed themselves in a scoring position when Engelthaler received a beautiful toss from Seidenberg, and scored the first touchdown. The juniors took the ball on the kick-off, and with Slowiak as quarterback, they attempted to march down the field. However, the line work of Faust and Rodkin hurried the passes, so that most of them fell short.

The juicers opened the second half but lost the ball on downs. Once again the Seidenberg, Engelthaler combination got under way but the opposition tightened up enough to prevent a score. The electricals took the ball and opened up with a barrage of long passes. One of these plumped into the hands of Graupner for the first and only junior tally.

Ruffled by this opposition, Seidenberg took the pigskin on the kick-off and, aided by Chelgren's blocking, romped the length of the field for a touchdown. Losing the ball on downs, but regaining it shortly afterwards, the mechanicals pulled a trick play in which Rodkin tossed a short lateral to Seidenberg, who sailed a long pass over the goal line to Engelthaler for the final score.

JUNIOR SCHMIERS WIN

As chemical engineers, the junior schmiers again proved their worth as football players by outrunning the senior fire protects 12-6 in a close battle of deceptive plays.

The first real break of the game occurred near the end of the first half when the chems, returning a kick to the fifty yard line completed a forward from Hackman to Heike on the ten yard line. From here Skuza planted the ball in to the waiting arms of Hackman over the goal to draw the first six points of the game.

Later in the second half Heike took the ball on the chems' forty and ran to the other thirty to put the chems in scoring position. From Hackman to Forberg the attempt was complete and the score was raised to 12-0.

Quandee of the fire protects snatched the kickoff on the thirty and lateralled to Neal who carried it to midfield. Neal then ran it to the twenty, but the attempt to pass over the goal was a failure. A chem pass was later intercepted by Quandee enabling him to pass in the next play to Neal on the five yard stripe, who carried it over for a touchdown.

The ball was twice intercepted by the fire protects during the remaining two minutes in a vain attempt to tie the score.

E. E. 4 SHOCKS JR. MECHS.

After a half an hour of plain and fancy fumbling on the part of both teams, the senior electricals emerged victorious over their rivals, the junior mechs, by the score of 14 to 0.

Much of the ground gained during the first half was by Lugullo of the mechs who made many fine runs, but because too many passes were being dropped, they were to no avail. The first threat of scoring was on the part of the electricals. It came in the nature of a low bullet-like pass by Warner, but fell incomplete in the end zone for naught. A nice

Tackle Football Is Due Next Friday

After an absence of thirty years tackle football is again to be played at Armour. The sophomore mechanicals with a make up team composed of themselves and their classmates have issued a challenge to take on all comers, and it has been accepted by our lowly freshmen. Next Friday at three o'clock is the time set for the slaughter.

This meeting should prove very interesting not only from the uniqueness of the sport here, and from the fact that the teams have no equipment, but also because of the natural feud that exists between these two classes. During the game the freshmen will receive their opportunity to get even (if they can) with the second year men who have had a joyous time depanting them. On the other hand the sophomores will be fighting doubly hard to uphold the tradition of keeping down the frosh. Both teams are made up of men who are no setups on the football field. The sophomores have Chelgren, Simeon, Siedenber, and others. The freshmen, led by Tullgren and Margetic, intend to do all in their power to even up any scores.

catch by Biil in the end zone near the side-lines brought the first score for the juicers.

Near the beginning of the second half, much tense play near the mechs' goal line finally concluded with the electricals getting a safety. Again, the mechs in the person of Lugullo, gained ground consistently and came very close to scoring on a long pass to Harold, which bounced just out of his reach in the end zone. Another tally for the electricals came when Warner made a running catch of a long pass and trotted over the goal line.

Techawk Fencers to Have Difficult Meets

In anticipation of the coming season, the fencing squad is being whipped into final shape. The first meet is expected to be held during the Christmas holidays with the Lake Shore Athletic Club. After receiving a letter from Purdue, manager W. Emmerich has tentatively scheduled another meet for some time in February.

There will be seven positions open on the squad: three foil men, two saber men and two epee men. Every Monday and Friday at five o'clock finds the fencers busily at work in D Mission. The squad has been greatly strengthened by the transfer of Kahle from Purdue. Being not only an excellent foilman but a good saber and epee man he boosts Armour's hopes for a championship team. Mr. Setterberg is actively sponsoring the fencers and hopes to have the sport recognized by the A. T. A. A.

New men may still come out and will be amply instructed under the supervision of Captain Z. Tryzna.

Honor "A" Discusses Awarding of Letters

The award of letters was the most important topic discussed at the last meeting of the Honor "A" Friday, November 8. W. D. Concolino was chosen chairman of the committee to decide upon the award of letters. Other members of the committee are J. F. Bartusek and E. A. Heike. Although a majority of members was not present a new constitution was adopted after a general discussion.

Another important point brought up at the meeting was the issuance of lifetime passes to all athletic events at Armour to lettermen. Pledging of new members was put off until the next meeting.

WATER PLANT—

(Continued from page 1)

upon coagulation and precipitation of suspended and colloidal matter in waters of low turbidity.

As a starting point in the actual experimental work, the minimum amount of turbidity required to provide a sufficient number of nuclei about which the coagulating aluminum sulfate and sodium aluminate could form was determined.

Suggest New Method

Water of low turbidity is difficult to treat because the fine particles penetrate the filter bed. As one method of facilitating coagulation, it is suggested that artificial turbidity be added to bring the total to 50. However, investigations at the water plant suggest the new idea of extending the time of coagulation from the standard practice of 15-30 minutes to periods as long as one and one-half hours. This is brought about by mechanical means.

The increase in time, however, is more than compensated for by the fact that the water which is treated in such a manner requires about one-half the time to settle that is required by water treated in the usual fashion. Therefore, while the reaction chambers must be enlarged, the sedimentation basins may at the same time be decreased in size.

Plant Has Won Notice

Armour's plant is one of the few experimental plants in the country, and its outstanding feature is its considerable flexibility. It has been featured previously to this in a special article in the *Engineering News-Record*.

BOULEVARD CAFE GERMAN KITCHEN

25c Plate Lunch Changed Daily
Sandwiches 5c and 10c
31st and Michigan

COMPLETE PLATE LUNCH, 30c Changed Daily

ALICE RESTAURANT
3117 Wentworth Ave.
Phone Victory 9806

Of course, I'm just getting them in case the boys should call—



They do say they're milder and taste better — and I've heard tell they satisfy