

# Armour Tech News

Vol. XXI. No. 3.

Armour Institute of Technology, Chicago, Illinois

Tuesday, March 1, 1938

## Prof. Richardson Guest Speaker in Radio Series Talk

### 'Electricity and Therapy' Topic of Speech

By exaggerating the implications of last Saturday's radio talk over WCFL it would seem that electrocutions are merely beneficial doses of electricity applied with the theory that if a little is good, why then, more is better.

It is not to be implied, however, that Associate Professor D. E. Richardson of the Electrical Engineering Department, holds this view. As guest scientist of the program, however, he pointed out that electricity has been applied to the human body in many ways with beneficial results, so much so, that the field warrants its own classification of electrotherapy. There are many subdivisions which Professor Richardson mentioned and explained to some extent which give some indication of the degree to which the art has progressed.

#### Has Many Advantages

A very interesting explanation of the operation of the radio knife was given by Professor Richardson. In his words: "This device is called a knife but it does not have a sharp edge. For example, one can cut flesh with the broad side of a small needle or with a wire loop. Practically no pressure is required, the only necessity being guidance. The principle of the radio or high frequency knife is comparatively simple—where the metal contacts the tissue, there is high concentration of electric current sufficient to raise the local temperature of the flesh to the boiling point. The action brings about an explosion of cells along the fine edge of contact and the consequent rupture of tissue to form the cut."

#### No Sharp Edge

Then too Professor Richardson discussed the advantages of such a knife and pointed out its use in bloodless surgery in which the electric current coagulates the blood about the cut.

Professor Richardson is well known and needs no introduction to sophomore electrical students of Armour.

(Continued on page four)

## Seniors Hear Millar On 'Human Relations'

"To be an executive, an engineer must know materials, the fundamentals of science, and above all he must know men," according to Mr. John H. Millar, who talked before Armour Tech seniors on "Human Relations," last Tuesday, Feb. 22. The talk came as the first in a series of four or five to be given for the benefit of the seniors by people connected with the business world.

Discussing engineering as a profession that has changed from an analytic science, in its early days, to a synthetic one in its modern form, he pictured Caesar as one of our best and earliest engineers. He pictured Caesar as having those qualities that make a good executive, placing special emphasis on his ability to lead and on his remarkable understanding of men and how to control them.

Carrying the idea of influencing people's minds to a conclusion, Mr. Millar gave some hints on that most important phase of their career, getting the job. He stressed the idea that the job hunter must first thoroughly acquaint himself with the industry in which he expects to be employed, so that when he is interviewed he can give reasons for his possible employment that will enable him to convince the employer that he is just the man to hire, and that if the employer passes this chance he will always regret it.

## Sipp, Neuert Present First of Competitive Talks to A. S. M. E.

At a meeting of the American Society of Mechanical Engineers on Friday, the first two of a series of member-speakers gave their talks. The speakers are competing in the competition to decide who should represent the A.S.M.E. at the convention to be held in Milwaukee on the 18th and 19th of April.

Edmund Sipp addressed the group on the subject, "Critical Speeds," and he was followed by Paul Neuert, who talked about "Refrigerated Trucks."

The delegates sent to Milwaukee will compete with other delegates for various prizes. The convention on most other occasions was held here at Armour, but for other reasons it is to be held at Marquette this year.

## Musical Clubs' Concert Plays to Near Capacity Audience

Under the expert guidance of Mr. Gordon Erickson, the musical clubs gave their annual Goodman Theater concert last Thursday night. The house was filled almost to capacity by the families, friends, and professors of the members of the glee club and orchestra.

Color was added to the program by the fine performance of the soloists, R. Vandekieft, A. Rune, H. Doolittle, G. Danforth, T. Yeakle, P. Woods and E. Ratzel.

A unique feature of the program was a "gay 90's" quartet composed of R. Winblad, H. Bodnar, R. Vandekieft, and R. Conger. The quartet rendered their own version of "The Bulldog on the Bank" and "Sweet Genevieve."

Following the concert, pictures of the glee club and orchestra were taken. While waiting for the photographers to get set up, the orchestra indulged in an impromptu swing session.

## Berger and Bodnar Discuss 'Vacuum Distillation' Jointly

Members of the A.I.Ch.E. at their 10:30 meeting last Friday morning in the Physics Lecture Room heard a discussion on "Vacuum Distillation" by H. Bodnar and E. Berger, senior chemical students. Bodnar described the use and operation of vacuum distillation in the laboratory and industry, and stressed the need of such methods when high temperatures cause decomposition. By distilling under low pressure the operation may be carried on at a lower temperature.

Berger described this process as used in the glycerin industry, where other methods are more expensive or impractical due to the decomposition of glycerin at high temperature. An open discussion among the members followed the lecture. It was brought out that this will be an important operation in the vitamin field.

At the beginning of the meeting Prof. McCormack presented a certificate award to E. J. Loutzenheiser, Jr., from the A.I.Ch.E. for having the highest average among the sophomore chemical students.

## Junior Formal Given at Palmer House Saturday

### Soundless Sound Movies Feature A.I.E.E. Meeting

Imagine, if you will, sound movies without the sound. This was the unique situation met by the A.I.E.E. at their meeting last week when the sound amplifier of their sound projector failed to function. Nevertheless the show went on, for there were gathered some forty impatient electricals who just would not be disappointed. Lightning flashed unaccompanied by the customary crash of thunder, and lips moved, but spoke not a word. Witty remarks were passed which helped to relieve the monotony of the situation.

The films were entitled "A Modern Zeus" and "The Volt Comes Into Its Own." Lightning research was the theme of the former film.

## Gay Claridge's Band to Furnish Music

"The best at last" is the slogan of the Junior formal dinner dance to be held in the Grand Ballroom of the Palmer House, Saturday, March 5th, at 8:30 p.m.

Atmosphere in the sophisticated mode of a formal event, food in the superb manner that the Palmer House prepares, and music in the sweet, swing style of Gay Claridge and his orchestra are the features which will. The juniors assure, make the event an epic in Armour social affairs. The junior social committee has spent many weeks of hard work in completing to perfection, even the smallest details in the dance arrangements, and now is ready to show the school the results of their work.

#### Make Early Reservations

Reservations should be made for the affair at the earliest possible date in order that tables of favorable location may be obtained. Tables, seating ten people, will be placed in three rows across the width of the ballroom at each end. The center of the ballroom will supply ample space for dancing which will furnish entertainment between courses and later in the evening. There are still a few tables that may be reserved which will afford easy access to the dance floor and a good view of the proceedings.

The Palmer House will furnish food of unusual quality in an unusual style. Service will be the best ever seen at an Armour function. Each table will have its own waiter, and the dinner will consequently be served with more rapidity. Salads, desserts, and the side dishes will be served as artistic delicacies. The tables will be set and decorated so as to add to the appeal that food will have for the eye and taste. Harmonizing with the eye and taste appeal of the dishes, will be the music that Gay Claridge will furnish during the dinner hour. Special arrangements of soft music will add to the effect and furnish the necessary syncope for dancing between courses.

#### Bids on Sale in Lobby

Bids will be on sale at almost all hours of the day all next week in the main lobby of the school. The price is \$5.50 and includes all tips and other charges. As no bids will be sold at the door, reservations MUST be made early in order that table spaces will be properly arranged.

Distinguished guests of the evening will be Dean Heald, Dean Tibbals, Professor Schommer, and Treasurer G. A. Allison.

The social committee members for the affair, who are in complete charge are: B. G. Anderson, Chairman; D. W. Jacobsen; E. C. Mitchell; and I. M. Footlik.

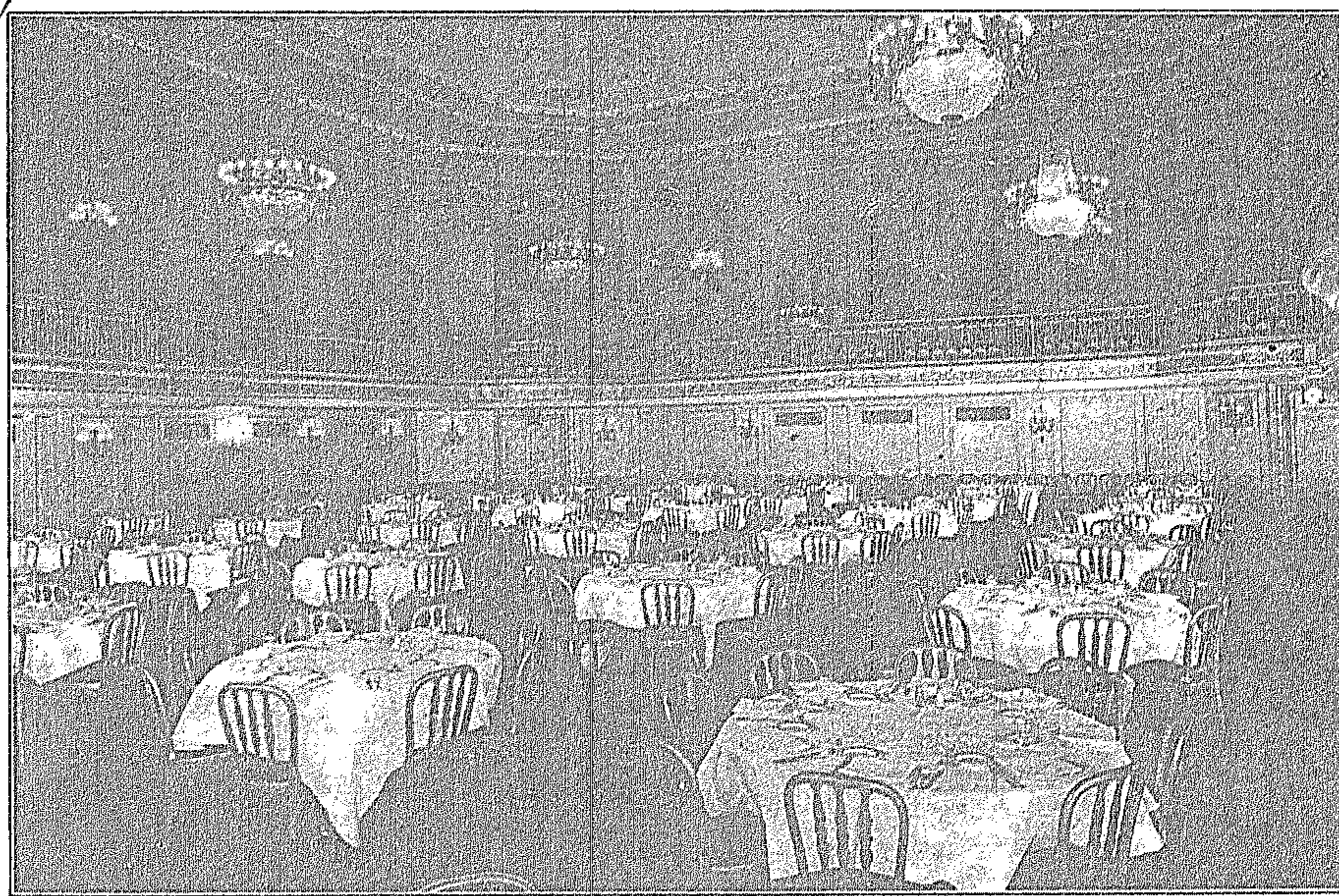
"No details have been overlooked in making arrangements for this event," says B. G. Anderson, "and I hope we have some real support from the other classes."

## C. Harris to Present Slide Rule Lectures

In response to numerous requests, Professor Harris will deliver the first of a series of lectures on the use of the slide rule next Friday at 10:30 in Science Hall. This is the third time Mr. Harris has been called on to pass on to the students the intricacies of the "slipstick."

The lectures will be given on alternate Fridays, progressing in sequence from the fundamental to the more advanced scales. A large model of a slide rule will be utilized in the demonstrations, thus eliminating the necessity of owning an instrument to participate in the meetings.

The lectures will be so divided that each will completely cover one or more scales. The material to be discussed will be posted on the bulletin board enabling the more advanced students to participate in only the phases in which they are interested. All freshmen and sophomores should attend.



Grand Ballroom of the Palmer House

## Miss Yvonne Kavanaugh Steals Play from the Two Males in Cast

By Zazu

Let an old-timer tell his juniors the secret of that thrilling performance of "Marriage Proposal," given by the Armour Players last Tuesday. That pulsating young actress, Yvonne (pronounced Yvonne) Kavanaugh, portrayed Natalia in a fashion reminiscent of Cornelia Otis Skinner, Helen Hayes and even Katherine Cornell. Supporting her in minor bit parts, were, noticed only by the most observant Armour theatre-goers, John Keane and Jorma Leskinen. Keane hit the heights in the opening scene when his rich young baritone sang out that famous Russian classic, "Ah-Yi-Yuch-Yem." It was so realistic and Russianish that one could just vision the borscht bubbling in Keane's gullet. Leskinen was good, too, only he isn't quite familiar with his anatomy. Your side is not where you sit on.

#### Plows Through Crowd

After the play, this reporter elbowed his way through a group of crowding, amorous stag-door Johnnies, notably Jim Sheehan and Ed Berger, to Miss Kavanaugh's dressing room for his interview. There, still in her very becoming costume, he was greeted by his beaming, radiant hostess. After slamming and barring the door to keep out the mass of milling humanity, the interview began.

Miss Kavanaugh is a graduate of the Wilson School of Music and Drama and is a teacher of dramatic art. "Oh, the audience," sighed Yvonne during the interview, "it was so kind and friendly. Never have I

performed for so gracious an audience. Tom and Jorma must be well-known. The oh's and ah's the audience gave when they saw them. I am so happy that the presence of a female in the cast wasn't resented by all those dear boys." After assuring her that she was not resented by those DEAR BOYS, I proceeded with my questioning.

#### No Chance, Boys!

Miss Kavanaugh is a marvelous cook and is equally adept at sewing. She is not engaged but has many boy-friends. "Yes, I have many boy-friends," stated the young actress, "but I plan never to marry. I will devote my entire life to the legitimate stage."

Her favorite role was that of Meg in "Little Women," given recently at the Woman's Theatre. Learning that Yvonne came from Homewood, Ill., brought to my mind that our own Prof. Goetz resides in that community. "Goetz, that's a familiar name," she pouted. "Oh, of course, he's our new neighbor. He's the one that never shovels his sidewalk." At this point Miss Kavanaugh remembered a previous appointment and thought it time to stop. "Why not come out to my home tonight and we'll finish," she suggested. After deep meditation I accepted, but fired one last query at her. "Oh, there's only one besides me at home. My little brother, but he has the chicken pox." I immediately left.

Meanwhile, outside in the Auditorium a frantic group was trying to

(Continued on page four)

## W. Fuller Discusses Commercial Aviation at W. S. E. Meeting

"Engineering Problems in Commercial Aviation" was the subject of a talk given last Friday in C Mission by Mr. W. E. Fuller, member of the engineering division of the American Airlines, Inc. Mr. Fuller is associated with the test department of this organization.

First, Mr. Fuller expressed the relation of engineering in a modern airway to the other activities such as operation, maintenance, communications, treasury, and sales. He stressed the fact that engineering plans should give consideration to these, as well as to the purely technical matters. Some functions of the aeronautical engineer are determining airplane loading and schedule charts, designing instruments, instructing employees, and doing test work.

Mention was then made of some of the work being done in the test department. Modern airplane engines need gasoline of such high octane value that Anilol is being mixed with the regular gas right at the carburetor. A "feathering propeller" has been developed that changes its pitch to 89 degrees in case of motor failure thereby stopping the engine, and at the same time reducing "air drag." Methods of preventing sleet from coating airplane wings, specifications for new aircraft, hangar construction, and routine drafting are other matters that keep the engineer busy.

"A prospective aeronautical engineer need not have specialized training as much as a good basic foundation," advised Mr. Fuller. Only one member of his staff had been specifically trained in this type of engineering.

## Armour Pi Kapps to Be Host at Conclave of Four Houses

Armour Tech's chapter of Pi Kappa Phi will play host to its fraternity brothers from Illinois, Michigan State, and Purdue this Saturday and Sunday at the International House at the University of Chicago. This will be the third annual conclave of the district composed of the colleges listed above.

On Saturday afternoon, a series of speeches will be presented by representatives of the different chapters. This will be followed by a banquet at which Professor S. F. Bibb will preside. Dean C. A. Tibbals and C. Dunbar will give talks at this affair.

Sunday's program will consist of a banquet at 1 p. m. at which H. Perlet, in charge of arrangements for the conclave, will act as toastmaster. After dinner entertainment will be a talk by A. W. Meisel, of New York, national president of Pi Kappa Phi, greetings from chapter representatives, and an address by H. T. Heald, acting president of Armour Tech.

## Evening Division of Student Association Holds Election

Continuing the vigorous activity with which it was begun, the Evening Division of the Student Association held their election of officers last Saturday. The meeting was held under the direction of the temporary Executive Committee at 3 p. m. in the Assembly Hall.

The meeting was held on Saturday afternoon, because at this time the greatest number could attend. Despite the hardship entailed in coming down just for the election, a large number of students took part in the selections of officers. The positions to be filled were those of the permanent Officers and Standing Committees.

## Movies of Improved Automatic Equipment Shown to F. P. E. S.

Judging by those present, the F.P.E.S. meeting held last Friday was one of the most interesting sessions that has been held in many months. Mr. Barry, Mr. Crandall, and Mr. Quadee of the Rockwood Sprinkler Company showed moving pictures of the Rockwood Company's most ingenious fire protection device. This new equipment, known as the "H.A.D." unit, is almost magical in its abilities to do things automatically. It is claimed that any mechanical action which can be started or stopped by human beings can be operated by the H.A.D.

The films showed several interesting applications, among which were the closing of fire doors and windows, operating of a water curtain for reducing exposure from other buildings, and the operation of sprinkler systems.

All of those present were deeply impressed by the elaborate precautions taken to prevent any tampering with the mechanism. If any part of the system is broken an alarm immediately indicates the trouble and usually its location as well.

The pictures explained very clearly just how this simple device works. A small metal cell is filled with air. When heated the air expands against a diaphragm. This diaphragm is coupled to a tripping device which releases a weight. In falling the weight can be made to do a large variety of mechanical things. By a simple adjustment the unit can be regulated to the conditions prevailing in the building where the installation is made.

In closing the lecture Mr. Crandall added a few explanatory remarks.



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On behalf of the faculty and members of the student body, we wish to extend to Leroy and Howard Downing, our sincere sympathy upon the death of their mother last week.

### The Juniors Give a Formal

Once again the junior class presents its annual formal dance. It's a gay colorful affair where the usually drab Techhawk bursts out in resplendent, albeit occasionally borrowed or rented, raiment. Affairs such as this are not regular occurrences to an engineering student, and if he should happen to feel like a girl does before her first date, while he

struggles with his tie or searches for a collar button, he may be excused indulgently, for there really is something special connected with the traditional Junior Formal which one should experience while still an undergraduate.

There is another side of the picture not quite so pleasant—namely that of financing so ambitious an affair, by the class in the event of a deficit and by the student who plans to attend. Approximately nine hundred dollars will have been invested in the dance by the junior class after all of the expenses have been paid. In order to meet this expenditure about one hundred and seventy bids priced at \$5.50 each will have to be sold. Obviously the junior class, which numbers only about one hundred and seventy students, cannot, of itself, make the affair a financial success. Support of the Junior Formal from the other classes is imperative.

The student planning to attend the formal also has a problem. How many lunches will be skimmed, how many minor luxuries suppressed, how many dollars borrowed in order that he attend will never be known, but they will be considerable. The pecuniary anguish is worse for the more poorly situated student who doesn't possess formal clothes. He must dig deeper and rent them. If it happens, as it frequently does, that he has already dug to the bottom, he just doesn't go. However, in that event, he will attend the dance in more than spirit, for it is his activity fee, as well as that of those who attend, which will pay for the deficit which is invariably associated with the Formal.

There has been some talk in favor of returning the Junior Formal to its traditional Junior Week date. There are many arguments for and against this point of view. It is true that a winter formal is usually a better affair than the summer variety. It is just as true that it is more expensive to the student. At Armour however, we believe the winter formal to be preferable for several reasons. The main reason is, that it leaves the last night in Junior Week open for an informal dance which more students can attend as a climax to the week. The school should offer at least one formal dance each year and the Junior Formal is it.

Our best wishes, therefore, to the junior class on the success of its forthcoming dance. Its a grand affair and deserving of student support. If the students are unable financially to support it, it should be dropped. However, we don't believe that to be the case.

### The Slipstick

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

Gee, it's great to be famous! The mail box is overflowing with letters (all two of them). Everybody has something to say. For instance:  
 Editorial Board — "\$%±¼%&! You're fired!!

Dr. McNamara—"Son, you sound a bit whacky."

Father—"Is this what I'm paying money for?"

Dolores—"Consider yourself jilted."

Sid Kreiman—"I'll open for a nickel."

### POEM I

Any girl can be gay  
 In a classy coupe;  
 In a taxi they can all be jolly—  
 But the girl worth while  
 Is the girl who can smile  
 When you're bringing her home in a trolley!

"Did you hear Helen's getting married today?"

"Who is the lucky man?"

"I'd say her father."

"It's hard," said the landlady, "to think a young calf was killed to satisfy our appetites."

"Yes," said the unhappy border, biting his steak, "it is tough."

Wife: "I have to give Junior so many spankings."

Husband: "Well... maybe I'd better not buy that new car—you're learning to be a back seat driver already."

Please, fellows, at least crack a smile! I'm depending on this job to support a child and three wives.

### Song of the Schmier

I'm thru with all women,  
 They cheat and they lie.  
 They prey on us schmiers till  
 The day that they die.  
 They tease us, torment us, and  
 Drive us to sin—  
 Say, who is that blonde that  
 Just now came in?

... so I walks up to this editor and says, "Listen, mood indigo, didn't I tell you to quit panning my column?" Then I feints with my left and crosses over with my right—just once—that's all that was necessary.

Oh, well! I've got a big brother who can...

B. R. S.

### Fraternity Notes

#### RHO DELTA RHO

We take great pleasure in announcing the pledging of the following men:

Garrison G. Hollowich

Harry Levinson

Arthur Welsh

Congratulations to the new men! Congratulations, also, to brother Max Zar on his being elected to the presidency of Chi Epsilon.

Our next house party, a Monte Carlo party has been set for March 12. The arrangements are being handled by Irv Footlik, Sam Spencer, and Bernie Sternfeld.

The informal initiation and hell week will occupy the third week in March, and the formal initiation and banquet the last week in March.

#### TRIANGLE

Triangle fraternity concluded its week of pre-initiation festivities and formally initiated the following men:

Howard Coyle

Robert Graham

John Kirkland

Robert McMahon

Edward Steinke

Robert Sweeney

We are also pleased to announce the pledging of

Bert McCleneghan, Co-op '43.

#### THETA XI

We are pleased to announce the formal initiation of,

Richard J. Hruda '42.

William Wilson, Jr. '42.

Captain Edward Mock tells us that the pledges know their lessons; but their jokes are still poor. We expected that.

Pledge Mangan usually comes to school on his own private motorcycle, but due to the unfavorable weather he has been forced to ride the elevated like a human being.

We congratulate Bro. Young on his pledging to Pi Nu Epsilon, but we're still trying to discourage his whistling around the rooms. "Gentlemen, gentlemen!"

Pres. Glos is a frequent visitor to Beta Theta Chi sorority where he is

## Hill Billy Will Don 'Soup and Fish' for Swanky Formal Dance

Deer Sally,

The goode die young, and the olde dye to keep looking that waye, Unquote. Its so sad.

Wel, old girl, I are heer agin. A weak has passed sinze yew rote too me, an I were shure serprized to heer that youre sister Amorphus finally got married. Gosh, I shure that she were goin to bea an old made. However, I gess that eleven yeers wazent too old.

Society life has engulfed mea agin. Stoopbrain Bliss, the bow brummel of Chicawgo, the anzer to every maids hart. Laste weak I sung (accompanied by a glea club and orchestra) at the Goodman theater. Was I gud? Wen I sung everybody put there finger in there ears, I gess so that they culd concentrat on my singing better. Even the conductor of the concert prayed mea. He sed, quote, ether yew off key, or awl the reste of us our. Gosh, it waz nice of him to tel awl the rest that theye were off. Sumbody remarked I had a F-flat monotone voice. I gess thats reely sumthing, cause nobody elze has won.

Imagine a Herring in My Pocket

Item no. 2 on my societly liste is the junior Prom (I gess it meens prominent). Everybody are goin whering foode insted of klothes. Seems funny to mea, but I heerd won fellow say that they were awl going to where soup and fish! Emagin a herring stiking owt of my pocket.

Wel, I hav finally found owt the difference between a diplomat and a ladie. Wen a diplomat sez yes, he meens perhaps, wen he sez perhaps, he meens no, and wen he sez no, he is no diplomat. Wen a lady sez no, she meens perhaps, wen she sez perhaps, she meens yes, wen she sez yes, shea is no lady.

In a english quiz the other daye, my friend Alf juste sit there, not riting or dewing anything. Prof.

instructing in Greek culture and ethics, and pitching a little woo on the side.

cums up and sez, "why, isn't yew riting?" "Aain't got nothing to rite with." Prof sez: "wear's yewr pencil, Alf?" "Ain't got none teecheer," he re-plies. "Howe many tymes hav I tolde yew not to say that"—sez teeche. "Listen, I hav not got won, yew hav not got won, we havent got won, they haven't got won—" "My, mie," Alf interrupts, "wear is awl the penzils."

Sally, I hav ben having the most wonderful experiences lately—Every nite befour I go too bed I eat cheeze—rarebit, I gess yew cawl it. Then, every nite, my dreems are invariably in tecknicolor.

#### Girls Check False Teeth

Wel, instalment II of my grate novel—quote—Skool life in Gulch—Kreek valley, or "Yew Only Die Wonce—Unquote. Dawns the day after the midnite befour. Beutiful Julietta McJuice, the sugar czar's dawter (he's a sugar daddy) arrives at the county skool of New Wyoming on her mule, stranely enuff becuz she is the teecheer. Orfie Basilwerp, our hero, is in 7th graid, partly becuz he lous her, and partly becuz hiz olde man is in 8th graid. The bel rings, and skool are begun. The boys check there guns, and the girls check there false teeth. The daye cums to a klose, wen awl of a sudden 8 shots ring owt. Cries are heerd from without. "It's awful!" "Wat a mess!" "Such blood!" "Hea had it cuming!" "This wil raize a big smell", etc. Julietta, the fare, her face sickening with horror (six gunfights in the school in a weak had maid her nervous) rushed owt, just as Orfie saing owt—quote—"there, I gess that wil teeche skunks too stear cleer of this skool (hear skunk is used as an animal, deer Sally, in place of the usuall meaning of an affectionate term for sum person).

As the Shakesperian acter after 1st nite wonce sed — quote — wen I walked owt in tightes, they laffed; wen I bent over, they split. I wil dew the same and klose.

Yures,  
 Stoopbrain Bliss.

**RE-STAKING CORONADO'S TRAIL**

...with telephone poles!

Masked and goggled against the desert dust, telephone men have followed the 400 year old trail of Coronado in building the new transcontinental telephone line recently completed. The Spaniards took many days to cross the trackless Southwest, driving stakes to guide their return.

You can span this desert instantly over the new line, because the pioneering spirit of Coronado still lives.

Oceans, mountains, deserts yield one by one to that spirit, bringing ever closer the Bell System goal: dependable telephone communication with anyone, anywhere!

**BELL TELEPHONE SYSTEM**

**OL' JUDGE ROBBINS IN FLORIDA**

-YOU ALL RIGHT BACK THERE JUDGE?

YEP SON - I'M STILL WITH YOU. OPEN 'ER UP AND LET'S SEE HOW FAST THIS BARGE CAN GO!

NO MATTER HOW EXCITING I MAKE THE TRIP YOU NEVER STOP SMOKING YOUR PIPE, JUDGE - YOU CERTAINLY MUST ENJOY THAT TOBACCO!

WELL, WHEN YOU'VE BEEN SMOKING AS LONG AS I HAVE, SON, YOU'LL APPRECIATE TOBACCO LIKE PRINCE ALBERT. HOW ABOUT TRYING P.A.?

SAY, PRINCE ALBERT CERTAINLY IS MILD - THERE ISN'T A BIT OF TONGUE-BITE!

THAT'S RIGHT - PRINCE ALBERT IS EXTRA-MILD BECAUSE OF THE SPECIAL NO-BITE PROCESS. YOU'LL FIND IT RIGHT TASTY TOO!

GEE, PRINCE ALBERT GOOD! IT'S COOL ON THE MOUTH.

YOU CAN THANK P.A.'S CRIMP CUT FOR THAT IT PACKS RIGHT FOR COOL, SLOW BURNING.

THERE ARE LOTS OF THINGS I'D SKIMP ON—BUT NOT ON MY TOBACCO. PRINCE ALBERT COSTS LITTLE ENOUGH, CONSIDERING HOW MILD IT SMOKES AND HOW GOOD IT TASTES

SMOKE 20 FRAGRANT PIPEFULS of Prince Albert. If you don't find it the mellowest, tastiest pipe tobacco you ever smoked, return the pocket tin with the rest of the tobacco in it to us at any time within a month from this date, and we will refund full purchase price, plus postage.

(Signed) R. J. Reynolds Tobacco Company, Winston-Salem, North Carolina

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**PRINCE ALBERT** THE NATIONAL JOY SMOKE

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



# Tech Trackmen Whip Loyola in First Win, 64-31

## Take Eight Blue Ribbons Sweep Shot Put, 60 Yard Dash

### BINGHAM HIGH SCORER

Defeating Loyola, 64-31, the Tech-hawk track squad registered its first win of the current indoor track season last Friday afternoon. The meet featured clean sweeps by Armour in the 60 yard dash and the shot put.

Bingham carried off high point honors with ten points, while Loyola succeeded in taking only two first places, one in the mile run and one in the high jump.

#### Loyola Wins First Event

The first event, the mile run, was a Loyola victory as Layden of Loyola broke the tape ahead of Platts and Faust, giving them their only advantage during the meet. The advantage was immediately wiped out when Bingham, Dunbar, and McDonald swept the 60 yard dash in that order.

A first and second in the quarter-mile by McDonald and Covington gave Armour a 21-6 lead. The two-mile run saw Finnegan take things easy until the last lap, when he put on his usual sprint for an undisputed first.

#### Deuter, Ryan Handle Half Mile

In the half-mile Wagener of Loyola set the pace for the first two laps and then Deuter and Ryan stepped out to make it a race of their own. Deuter took first by about two yards in the fairly good time of two minutes and seven seconds. After his victory in the dash, Bingham came back to score again in the 70-yard low hurdles.

The field events started off very impressively for Armour when Vandekieft, Burman, and Rothenberg heaved the shot for a clean sweep. Elwood and Dixon cleared eleven and one-half feet in the pole vault to take first and second for Armour.

#### SUMMARIES

Mile Run—Won by Layden (L), Platts (A) second, Faust (A) third. Time—4:37.7.  
60 Yd. Dash—Won by Bingham (A), Dunbar (A) second, McDonald (A) third. Time—:06.5.  
440 Yd. Dash—Won by McDonald (A), Covington (A) second, Beauregard (L) third. Time—:52.6.  
70 Yd. High Hurdles—Won by Rothenberg (A), Nurnberger (L) second, Elwood (A) third. Time—:09.9.  
Two Mile Run—Won by Finnegan (A), Layden (L) second, Barrett (L) third. Time—11:00.4.  
880 Yd. Run—Won by Deuter (A), Ryan (A) second, Wagner (L) third. Time—2:07.1.  
70 Yd. Low Hurdles—Won by Bingham (A), Nurnberger (L) second, Dunbar (A) third. Time—:05.3.  
Shot Put—Won by Vandekieft (A), Burman (A) second, Rothenberg (A) third. Distance 42 ft. 2 1/2 in.  
Pole Vault—Tie—Dixon (A) and Elwood (A), Monaco (L) third. Height—11 ft. 6 in.  
High Jump—Won by Looney (L), Sierks (L) second, Vandekieft (A) and Rothenberg (A) tied for third. Ht.—5 ft. 10 in.  
Relay—Won by Loyola when Armour was disqualified because of bad pass. Loyola—Beauregard, Tobin, Lyons, Elkon.

## Court Final Goes to Detroit 39-33

Stemming a Techhawk rally in the last few minutes of play, the University of Detroit basketball squad spelled the final defeat for Armour, 39-33, at the 108th Engineers Armory last Monday in Tech's last game of the year. Although holding a 25-15 lead at halftime, the visitors were forced to check the Techhawk rally at 33-31 in the final period.

The Detroit Titans capitalized on the battle, extending their record to 13 wins against 3 losses, as they did against the DePaul five with a two point margin on the previous Saturday night. Although another close affair and "good game" for the Armour cagers, the squad was actually pitted against one of its toughest foes.

Swanson led the Armour attack with a short tally and a tip-in, while O'Brien's opening hook and two free shots enabled Swanson to close the score at 10-12 with another short. At this point, however, the Titans edged ahead and two sleeper shots by Kolibar set the visitors in front 25-15 at halftime.

Despite the fast scoring of Scherer and O'Brien in the second period, Calahan retaliated for Detroit to maintain its 10 point margin 31-21.

(Continued on page four)

## Armour Relay Games Obtain Initial Entries

Entries already have been sent in to John J. Schommer, official of the Tenth Annual Armour Tech Relays, which are scheduled for March 19. Cornell College of Iowa and Milwaukee Teachers returned their entry blanks immediately, naming their contestants for the great indoor track event.

The Relays were the first of their kind in the middle west and attract entries from the major universities and colleges of that area.

## Grapplers Watch Champs Win 20-14

### Grab First Four, Drop Final Matches

Over at Wheaton where the boys and gals really cheer their wrestlers on to victory, the Armour matmen bowed for the second time this season to the Wheaton grapplers in a hotly-contested match, 20-14. Wheaton staged a big rally to achieve their win, taking their last four bouts on falls after losing the first four.

Armour started out strongly and built up an early lead in the lighter weights, winning the first four bouts on three decisions and a fall, but had victory snatched from their grasp in the final bouts.

#### Dunne Gets Only Pin

McDaniel started Armour's scoring by gaining a decision over Ellingsworth at 118 pounds. Ellingsworth wrestled a game fight, breaking several stretches holds, but was unable to match McDaniel's experience.

Till continued the good work by outpointing Dodd in the 126 division. Till took an early advantage and held it throughout. Dunne, 135, got credit for Armour's only pin of the evening by overcoming Hess. Dunne secured the advantage at the outset and, although Hess put up a good fight, overcame his opponent in 7:30. Hanna and Lazzaro mixed in the 145 class. Hanna took a lead after several minutes of sparring and at the



By Howard Coyle

This being our final chance to talk about the cagers, we'll say we're convinced at least that the Techawks had more winning material than the records would seem to indicate.

First of all, Tech's mighty grapplers ran into bad luck last Wednesday after they sewed up the Wheatonites with three draws and a pin, setting themselves ahead 14-0. They were forced to yield in the next four bouts however with four straight pins, and the champion Ministers saved themselves from being the Little Nineteen chumps.

Incidentally, if you see Bill Chelgren pondering heavily this week, he's probably deciding whether to make the bowling tourney interclass or departmental. Lend a suggestion and get the ball rolling, you bowlers!

The armory really saw some hectic battles this year, and if sending our guests away happy, counts, we were the perfect hosts. We didn't have to

end of nine minutes got the ref's decision.

#### Wheaton Stages Rally

After the bout in the 145, the tide of battle changed. Pett, Wheaton's captain, gave the home folks the first chance to cheer by pinning Kubik in the good time of 1:22. Berghouse, who has been undefeated as yet this season in the 165 class, found Maxant a tough customer but succeeded in pinning the Armourite in 5:40. Kazmierowicz at 175 pounds put up a stiff battle against Butler, but finally had both shoulders on the mat in 7:00. Wheaton now had wiped out Armour's lead and was ahead by one point, 15-14. In the final match of the meet McIntyre in the heavy-weight class got a tough break and was pinned by Schwetters in 4:13 giving Wheaton their margin of victory, 20-14.

## Techawks Conclude Tough Schedule Filled With Thrills, Rallies, Losses

Armour's Techawks began their '37-'38 season of play with a win over the Milwaukee Engineers and ended it with a close loss to the University of Detroit. In between these dates, they played thirteen games, of which they won three and lost ten.

In the season's opener, the Milwaukee Engineers took a drubbing to the tune of 47-34. Bill Scherer netted thirteen points and thirteen Techmen entered the fray. Traveling to Champaign, the Armour squad dropped a tilt with the Illinois B team. The victors were at a great advantage, having been in training for several months, and playing on the home floor. The Statesmen won, 39-24.

#### Down Arkansas for Second Win

Armour's second win was a decisive victory over the Arkansas hill-

worry about sending the local fans away happy, there were few of those present. . . . And perhaps this is the reason for the insufficient spirit in some of those "last few minute" losses.

Seriously, it takes an emotional drive to set a pace in the last few minutes of play, and not just a rational desire to win. Time and again the squad synthesized an effective rally which placed them in the running, but only until they woke up and wondered what they were actually fighting for. . . . Not until Armour develops a genuine spirit, a court with bleachers and a crowd to drive some emotion into the players, and not until we make an event of each game, can we begin to expect the most from her basketball players.

A shining example was given us last week while overhearing a few not wanting to see the Detroit battle because it would be a washout. Actually, the squad exhibited some genuine spirit and almost quelled the Titans despite the big record of the latter team.

billies on the Armory floor. Bill Scherer again led the team's scoring, 'till the Tech quintet had a large lead. The visitors then got hot, but Ed Swanson's excellent defense play stopped the rally short at 38-32 at game time.

The Techawks dropped the next five games, and none by close scores. The Lake Forest contest on their floor ended a calendar week of three games. A margin of twelve points separated the teams. Beloit played Armour just before the Christmas holidays, and the home boys played an even, smooth game. The Wisconsin lads, however, were a little smoother and won, 32-25.

#### Chicago Is Highlight

The highspot of the year was the annual Chicago University battle in the Midway fieldhouse. A large crowd of Tech supporters turned out to see their team badly mishandled by the superior Big Ten cellar men. The half-time score was 21-14, and the second period rally never came, the score ending 45-32.

The exchange tilt with Lake Forest on the Armory floor was a rough battle. With only several minutes of play remaining, Tech forged ahead at 37-35, but a deluge of Lake Forest field goals gave Armour another loss at 45-38. De Kalb was a very uncordial host as far as the score goes; they trounced the home boys 44-28 on their floor.

#### Break Jinx Against Elmhurst

The jinx that had shed gloom on five straight games was finally ended when Norkus, O'Brien and Swanson led a real rally, playing hard and fast to win 44-35 over Elmhurst college.

For the first time in four years, the Michigan Normal teachers from Ypsilanti won over Armour. And they did it rather easily, too. Little Tech spirit was in evidence when the home team dropped the contest, 38-29.

Armour's eastern trip was an evenly divided affair. They left Chicago between semesters and again had the

## Boxers, Matmen Join Force Against Culver

To battle their first opponents of the year, Armour's boxers will join the wrestling team for a combination meet next Saturday when the two squads invade the Culver Academy gym. The boxers thus far have tasted competition only in the Tribune's Golden Glove events.

The team comprises "man-mountain" Koester, 118 pounder; Till, 125; Capodanno, 135; Lindeman, 147; Clark, 160; Palonis, 175; and heavy-weight captain Stober.

Clark, McMahon, and Collins each won their first match in the Golden Gloves. Stober holds a high record of 11 wins and one loss in his four year career at Armour.

The wrestlers will be looking for their sixth victory of the season under the leadership of captain Dunne, the man who holds the highest grappling record at Armour. In his four years he has won 30 and lost 6 matches in Armour meets.

pleasure of playing Ypsilanti. The latter downed the Techmen 37-25 and chalked up a second win for the season. At Detroit, Bill O'Brien played the outstanding player's game of the year. He made 22 points on nine baskets and four free throws, while his team mates piled up 21 more points to nose out Detroit Tech 43-42 in a mighty thrilling game.

#### Three Final Heartbreakers

North Central has always been a sore spot with Tech courtment. Traditional rivals (and usually victors), the Naperville quintet came mighty close to a downfall when a spirited Armour rally brought the teams to 42-40, and seconds to go, Armour lost 43-40, but no one could say they didn't put up a stiff battle.

Armour returned Milwaukee's season's opener, and the score was 48-45. This time, however, Armour stood on the short end. The season's final was a strong attempt to conquer a class "A" Detroit University squad. Trailing 25-15 at half time, Armour rallied to 31-33. The rally failed, and the home cagers lost their curtain closer 39-33.

# "ARE CAMELS REALLY DIFFERENT FROM OTHER CIGARETTES?"...a question of interest to every smoker



"YES!" says H. W. DALY, rayon salesman, and millions of other steadysmokers too. And that explains why Camels are the largest-selling cigarette in America!



MARITA'S PLANNING a grand feed. "We enjoy entertaining," Marita says. "I like to have plenty of Camels at the table. Camels cheer up one's digestion."



ON WEEK-ENDS, Bill goes in for photography. On week days he "pounds the streets." "I get tired," he says, "but when my energy fails I get a 'lift' with a Camel."

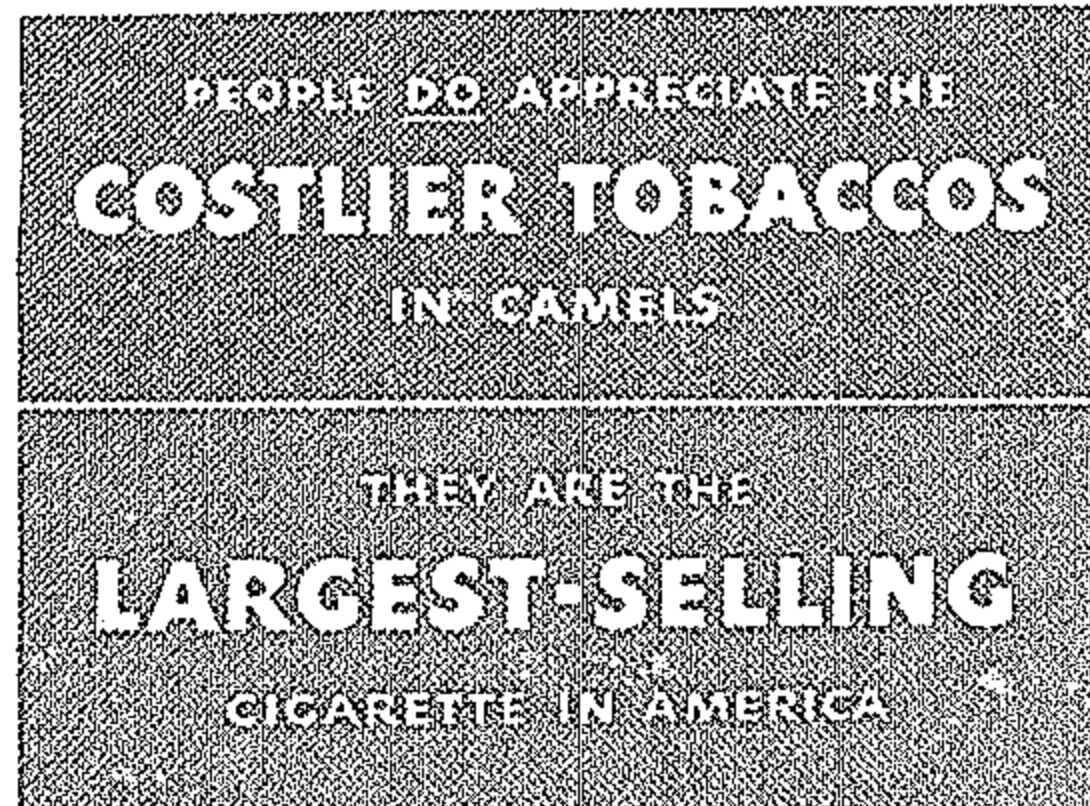
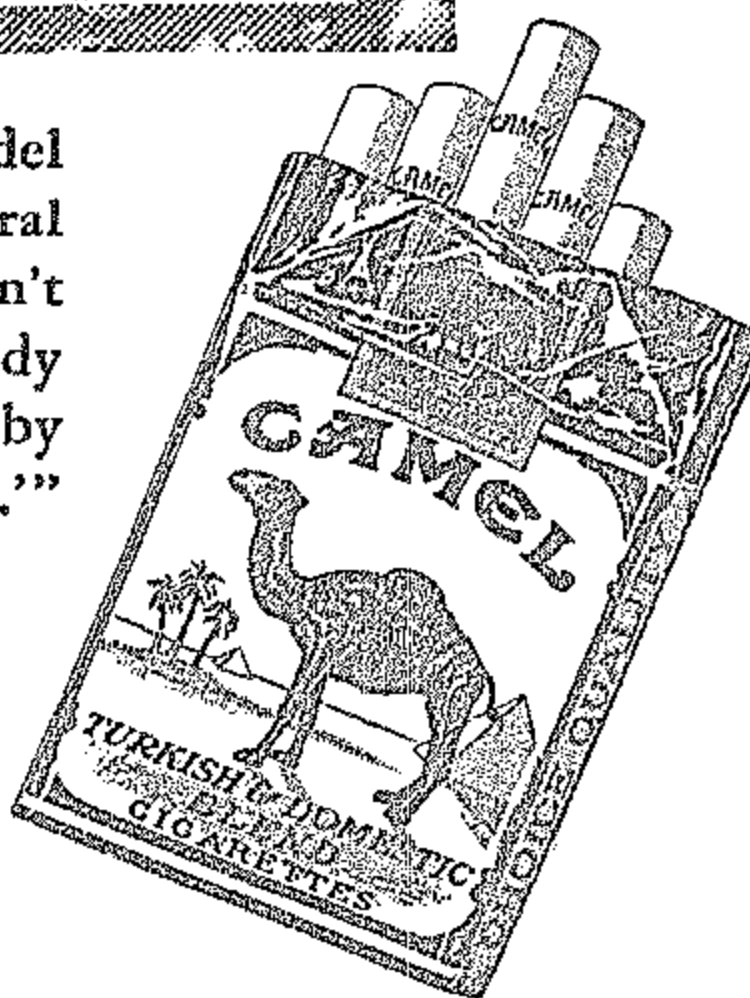


A KISS FROM MARITA (Mrs. Daly) and Bill is off to his work in the city. The Dalys agree about most things. Among them, Camels. Mrs. Daly smoked them first, noticed a difference. "Now we find Camels agree better with both of us," she says.

A FRIEND DROPS IN (above) to see Bill's model sloop. Daly passes the Camels and answers a natural question. "That all-cigarettes-are-alike talk doesn't square with my experience. Believe me, steady smoking is the test that shows Camels in a class by themselves. They don't make my nerves edgy."

#### NEW DOUBLE-FEATURE CAMEL CARAVAN

Two great shows—"Jack Oakie College" and Benny Goodman's "Swing School"—in one fast, fun-filled hour. Every Tuesday at 9:30 pm E.S.T., 8:30 pm C.S.T., 7:30 pm M.S.T., 6:30 pm P.S.T., over WABC-Columbia Network.



A matchless blend of finer, MORE EXPENSIVE TOBACCOS—Turkish and Domestic.

ONE SMOKER TELLS ANOTHER

# Camels agree with me





A. M. Zarem

DURING THE LAST week, world wide interest has shifted from the conflict in the far east to the struggle now going on in Central Europe, where the Austrian crisis is rapidly assuming large proportions. In the four weeks since the German army and cabinet fracas, Adolph Hitler has shown increasing intentions of actually starting the nazi penetration with which he has so long threatened the surrounding countries of central Europe.

The first step in this direction was a systematic concentration of pressure on Austria's dictator, Dr. Kurt Schuschnigg. No results were forthcoming and for a while it looked as if Hitler had met with a snag. Last Wednesday, however, Dr. Schuschnigg, faced with Hitler's ultimatum that he either make certain concessions to the Reich or face German military invasion, suddenly yielded to Hitler's wishes and included in his new cabinet eight nazi members. Such action is bound to have far reaching effects. Of the eight new members, one—the Minister of the Interior and Public Security—holds a key position. He represents the first real step toward "Nazification" of Austria.

IT IS KNOWN definitely that Hitler warned Dr. Schuschnigg that both England and France were in no position to oppose him—and that unless he, Schuschnigg, would see that Austria fell into line with German foreign policy—drastic steps (invasion) would be taken immediately. To back up this statement the German motorized corps moved to the Austrian frontier last Tuesday and a large section of the army was concentrated along the Austria-Germany boundary line.

Under such pressure Dr. Schuschnigg had to bend—even though he defied the ruler of Germany up to the last minute. The full effects of this move have yet to be seen—but one thing is certain. Hitler's bargaining power has been greatly enhanced and it is now so large that only far-reaching concessions will be accepted by him for his cooperation in any matter whatever. Hitler is now in an excellent position to stress his colonial demands—his weapon is heavy and he has learned to wield it effectively.

THERE IS ANOTHER twist in this situation which merits some attention. Mussolini is no longer assured of the protection of a weak buffer state and now finds himself in the peculiar position of putting his O. K. on the move which Austria's dictator took—even though he has been opposed to it for the longest time. It would seem then that Mussolini and Italy are now beginning to pay for the support which in the past they have so freely given to Germany. Thus Mussolini is in the embarrassing position of being in the shadow of a greater man than he is—and say what he will—he doesn't like it; better yet, he can do nothing about it, because he is in it too far to do much backing out. The Berlin-Rome axis may yet make him dizzy—for one half of it is beginning to pick up momentum at a rate which can only spell destruction.

Broadcast—

(Continued from page one)

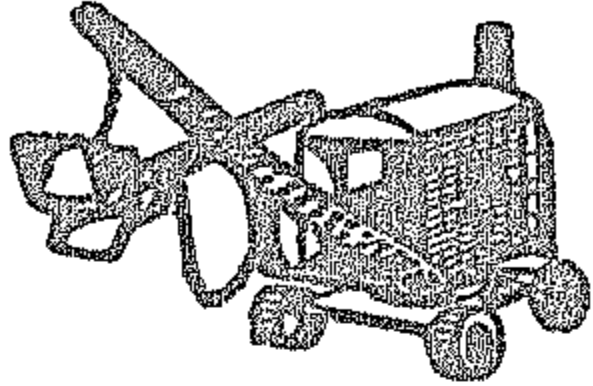
He is one of the men of the department who has had a very adventurous life as most electricals can tell you. Some of his experiences as a student at Armour while working on a job at night form some of his most interesting lectures in the classrooms. Indeed, his lecture on "How Not to Fall Asleep on a Night Job While Attending Armour during Days—From Practical Experience," an informal title, is regarded by some sophomores as a classic.

Professor Richardson had been on submarine duty in the U. S. Navy during the war. His association with one of the largest manufacturers of electrotherapy equipment especially qualified him for a discussion of the topic of last Saturday's talk.

Interview—

(Continued from page one)  
revive Leskinen. "He really fainted when she kissed him. I knew we shouldn't have let a freshman take that part," sobbed Sternfeld. Meanwhile in a dark corner, Keane, apparently thinking he was still in character, was doing the Volga Susi-Q; sitting on nothing and trucking. Miss Kavanaugh will appear in the next play to be given. A large turn-out is expected for the male roles.

Steam Shovel



This column is dedicated to the students of the electrical department this week as the shovel invaded Peoria, Illinois.

CARSTENS was so interested in tractors that he just had to bring a small model home to play with. It cost him a dollar.

TERP used to burn up the road trying to get home a little faster, but since "he told it to the judge," we see him taking it easier.

MIKE PANTONE arrived in Peoria, the night before the tour, with some of the fellows. After registering at the hotel asked the bellboy what the "House rules" were. Looking sharply at Pantone the boy replied, "No lady visitors."

ED. BROWN'S appetite just isn't what it used to be. Could he be in love again... with that certain waitress?

"I felt groggy all day after that bottle of root beer," claims HEBEN-STREIT.

Public Mathematical Exhibits Maintained at Adler Planetarium

For the past few months the foremost mathematical organizations of Chicago have maintained a continual exhibit for public inspection on the ground floor of the Adler Planetarium. The purpose of the exhibit, as formulated at a meeting of the National Council of Teachers in February, 1936, is to assist in educating and influencing the public to be more receptive to mathematics.

Krathwohl Represents Armour  
The exhibition space was donated by the Planetarium, finances were provided by the Women's and the Men's Mathematical Clubs of Chicago. The committee in charge of the exhibit includes as an important member, Professor W. C. Krathwohl, of Armour Tech's mathematics staff, as well as representatives from various Chicago High Schools.

The object of this mathematics exhibit is to arouse adult, as well as student interest, in the utility and applicability of mathematics in a way that will create a liking for the subject. Exhibits actually designed and constructed by students will help to accomplish this end. Labeling of the exhibits with the names of the makers provides an incentive to creative work, as well as preserving interest in the exhibits.

Each exhibit is built around some central idea chosen to attract attention and arouse the curiosity of the public.

Plan Future Exhibits

According to Dr. Krathwohl, it is quite possible that "Math" has lost some of its popularity because mathematicians are inclined to take themselves so seriously. If people can be shown that there is as much real joy, fun, and humor in mathematics as in some of the lighter subjects, they might not be so frightened when they see the word.

Some of the themes for future exhibits which it is hoped will arouse curiosity and interest are:

- 1. How Parisian gowns are affected by mathematics.
- 2. How angles are trisected.
- 3. How stout people look thin by mathematics.

Reporters from daily papers are beguiled to visit the exhibit to give it publicity. Students are invited to take pictures of the exhibits and there is no objection if they pose their "fair one" with the collection.

Senior Chemicals Tour Moulding Products Co.

Continuing their weekly inspection trips, the senior chemicals traveled to 2145 W. Walnut St. this week, where they were guests of the Chicago Molded Products Company, producers of plastic products. The students were welcomed by Mr. Edward F. Bachner, general manager of the plant, and were first conducted to the machine shop where the art of mold making was explained. Considerable thought, care, and skill is required to conceive, design, and fabricate a mold which will do the required job well and economically.

Leaving the machine shops, the visitors witnessed molding operations of which there were a large variety, ranging from smaller molds producing but a single article to large molds with dozens of cavities producing thousands of pressed pieces per day.

Returning to the general offices, the students were informed that the three chief materials used in plastic molding are phenol-formaldehyde, urea-formaldehyde, and cellulose acetate.

ARX NEWS

Staff of the week: Winter's come at last... Next week is TUESDAY, mmmmm, let's see, who's got a good elevation to crib?... JUNIOR FORMAL, this Saturday, that means a date, have you yours? has she a sister? well... Warning: prankster loose in Junior room, discovered by REA... VIREN found out that IRBES triangles will really burn, are you amazed?... Soph ERICKSON wants to see if his name looks good in print... GOLDSTEIN wonders for what PISWIN is living for...

Did you know that REA, SCOTT, and DANFORTH were the ones that made the "Marriage Proposal" with their scenery?

Love is always news: DAVIDSON has hung his fraternity pin on E. GEORGIANA DANFORTH.

Thursday night the canaries of the department, CUNNINGHAM, SAUERMAN, and PASIUK, exhaled in the Armour concert at the Goodman. LISCHER flitted around with the stage settings.

BOZ-ART.

South Side Doused Again by Tech, 44-31

Wilson was an easy victim of the Armour Tankmen a week ago yesterday when the latter swamped the South Side team with a 44-31 deluge. The Techmen had previously won a meet held at South Side, 38-37.

Armour placed first or second in every event except the diving, where Pettes came in third. Dodge came in first in both the 220 yard and the 100 yard free styles, in the latter event, Dodge coming in to win by an underwater touch, that surprised Feeley of Wilson.

Many of the events were surprisingly close, while in the 40 yard free style, Anderson of Tech was awarded first after a judges' conference. The Armour men showed great team strength, and have hopes of scoring some points against Wright Thursday.

On Thursday afternoon at 3 p.m., the Armour swimmers will attempt to avenge their first defeat of the year dealt at the hands of Wright Junior College.

Having triumphed over South Side by a pleasing margin, the Tech men are anxious for the return meet.

Detroit Wins-

(Continued from page three)

Two short shots squeezed in from the melee by Hofmann and a followup shot by Sher comprised the Armour rally. After Detroit's time out, Scherer continued the Tech spree with a long quick shot placing the Techawks 31-33, only two points behind the Detroit Titans.

In the last two minutes of play, however, Armour could muster only two charity tosses, dropped by Hofmann and Norkus, while the Titans froze the ball and worked in three more deciding baskets.

BOX SCORE:

U. of Detroit (39)	Armour (33)
Laske, f	b f p
Plana, f	3 0 2
Kollbav, f	3 3 1
Flossie, f	0 0 1
Caliban, c	7 0 2
Bucholz, f	1 1 2
McDermot, g	0 0 2
O'Donnell, g	0 0 1
Hayes, g	0 1 1
Halihan, g	0 0 0
Pegan, g	0 0 2
17 5 16	10 13 9

However, Wright boasts of a great squad, with team strength in the relays and medleys as well as individual stars. Tech will rely on captain Dodge, Downing, Pettes, Svagdis, and Windblad to garnish the points.