

# Armour Tech News

Vol. XXI. No. 5.

Armour Institute of Technology, Chicago, Illinois

Tuesday, March 15, 1938

## Registrar's Office Releases Averages; School Average 1.44

### P. L. U. and Tau Beta Pi Lead Honoraries

Official figures released by the office of the registrar show that the scholastic standing of the entire undergraduate student body in attendance in the first semester of the 1937-1938 school year with the exception of part time, special, and co-operative students is 1.44. The figures give the scholastic standing of the students in all of their subjects to date. This indicates that the average student of Armour usually gets A, B or C in most of his subjects. The school average of 1.44 is generally lower than the school averages of the past few semesters. Undergraduate averages for preceding semesters were, in receding order, starting with the second semester of the 1936-1937 school year; 1.50, 1.44, 1.62, and 1.58. The present average of 1.44 is for a total of 909 students.

#### List Class Averages

The senior class were listed as follows:

The Senior Class	.....1.73
The Junior Class	.....1.56
The Sophomore Class	.....1.33
The Freshman Class	.....1.24

The increasing averages of the upper classes is characteristic of the general trend in all school years. The averages are raised due to the withdrawal of the poorer students. The senior class averages of the past five semesters has consistently been 0.5 points or more, that is about 40% higher, than the Freshman Class averages.

#### Engineering Science Leads

Department averages shows the Engineering Science Department to be in the lead with the Fire Protection Engineering Department a close second. Of the big three engineering branches, Electrical Engineering is in the lead. The various departments and their averages are as follows. (The figures do not include the grades of Freshman students.)

Engineering Science	.....1.83
Fire Protection Engineering	1.76
Electrical Engineering	.....1.60
Chemical Engineering	.....1.56
Civil Engineering	.....1.51
Architecture	.....1.45
Mechanical Engineering	.....1.40

(Continued on page four)

## Armour Chapter of Eta Kappa Nu Host to Chicago Conference

Armour's Delta Chapter of Eta Kappa Nu, honorary electrical engineering fraternity, was host, along with the Chicago Alumni group, to an Employment Conference of the fraternity last Friday and Saturday.

Dr. Ernest H. Freeman and Dr. Thomas C. Poulter were Armour representatives who took an active leading part in the proceedings. Dr. Freeman was toastmaster at the biggest meeting of the conference, the banquet held on Saturday evening. On that same occasion Dr. Poulter was the principle speaker of the evening presenting a speech on his experiences at "Little America" with the Byrd Antarctic expedition of which he was the Senior Scientist.

The conference, ably managed by the Armour and Chicago groups had as its purpose the investigation of the employment possibilities of the profession. In this investigation a number of topics were considered in discussing fields of employment related to electrical engineering. Some of these were: type of work; training required; special aptitudes required; demand for electrical engineers; the number and type of employers; competition with non-engineering graduates, relative numbers, and comparison with their type of training; opportunities for advancement to positions of responsibility; possible training for entering other fields, value of experience in this field is progressing to other work; financial comparison with other fields; possibilities for self development and self satisfaction.

(Continued on page two)

## Co-op Club Sponsors 'Get-Together' Dance

The Cooperative Course, which was inaugurated at Armour Institute in February, 1936, is now nearing the successful conclusion of the first term of its third year.

Since that time, the cooperative plan has gained favor in the school and in industry, and thus has resulted in a rapid growth of the enrollment in the course. One of the best illustrations of this growth is the development of the Co-op Clubs in both the "A" and the "B" divisions.

The Co-op Club of the "A" group feels that a greater amount of sociability could be developed between themselves and the students of the regular courses. With this thought in mind, the club is giving a "get-together" dance to which the entire student body is cordially invited. The date is April 1; the place is the Grand Ballroom of the Graemere Hotel, and the music will be furnished by the orchestra. Revue Lee, lovely songstress, and Curly Vand, who sang on Harold Stokes' program until a short time ago, will appear with the orchestra.

The bids are now available and can be obtained from members of the club or from Miss Haw in Mr. Lease's office. The price is \$1.50 and the number of bids is limited.

## Hold Interhonorary Dinner at Swedish Club Tonight

Student, alumni, and faculty members of the honorary fraternities will hold their annual banquet tonight at the Swedish Club, 1258 S. La Salle St. Festivities will commence at 6:30 p.m. with a Swedish style smorgasbord and dinner.

This year the banquet will feature movies instead of a speaker as has been customary in the past. Arrangements for the event were made by N. K. Anderson, H. J. Bodnar, and other members of the Inter-honorary council.

## Musical Clubs to Visit Lindblom

Lindblom high school will be host to Armour Tech's musical organizations next Friday morning when the latter will give two concerts there. Because of the size of Lindblom's student body, two complete programs for two different assemblies are to be offered by the clubs.

To transport the Armour Chicago and swingsters, several Warblers motor coaches will be ready to leave the campus promptly at 8 a.m., Friday morning.

Next week, Wednesday, March 23, the Glee Club will, for the first time, give a complete half hour radio program over station WLS. Seven or eight of the club's most popular selections will be given on this program which runs from seven to seven-thirty in the evening. It has been promised that there will be a nationwide hook-up for this broadcast, so that every town and hamlet will be able to hear the Armour Tech songsters.

Our harmonious gentlemen will soon be heard from the stage of the Oak Avenue school in La Grange. The date of this engagement is Thursday, April 7, at eight o'clock. One of Armour Tech's well known instructors, Mr. J. F. Mangold, is the promoter of this affair, since Mrs. Mangold is president of the Oak-Ogden Parent-Teachers' Association for whom the program is being given.

Recently interviewed, Mr. Mangold remarked: "It has always occurred to me that not enough La Grange boys come to Armour Institute for engineering training. The best way to convince these high school graduates of our school's merits is to give them an insight into Armour's college life. We are giving this concert a great deal of publicity and expect a huge turnout on the night of April 7."

Not only are the people of La Grange anticipating this musical treat, but Tech's singers and players are also looking forward to the refreshments which follow the concert—prepared in true P.-T. A. style.

## P. L. Moore '37 Accepts Flying Cadet Appointment

Paul L. G. Moore, C.E. '37 started the first portion of a flying career when he was appointed a flying cadet at Randolph Field Texas. The appointment came as a result of the current call for candidates for the four year training course offered by the army air corps.

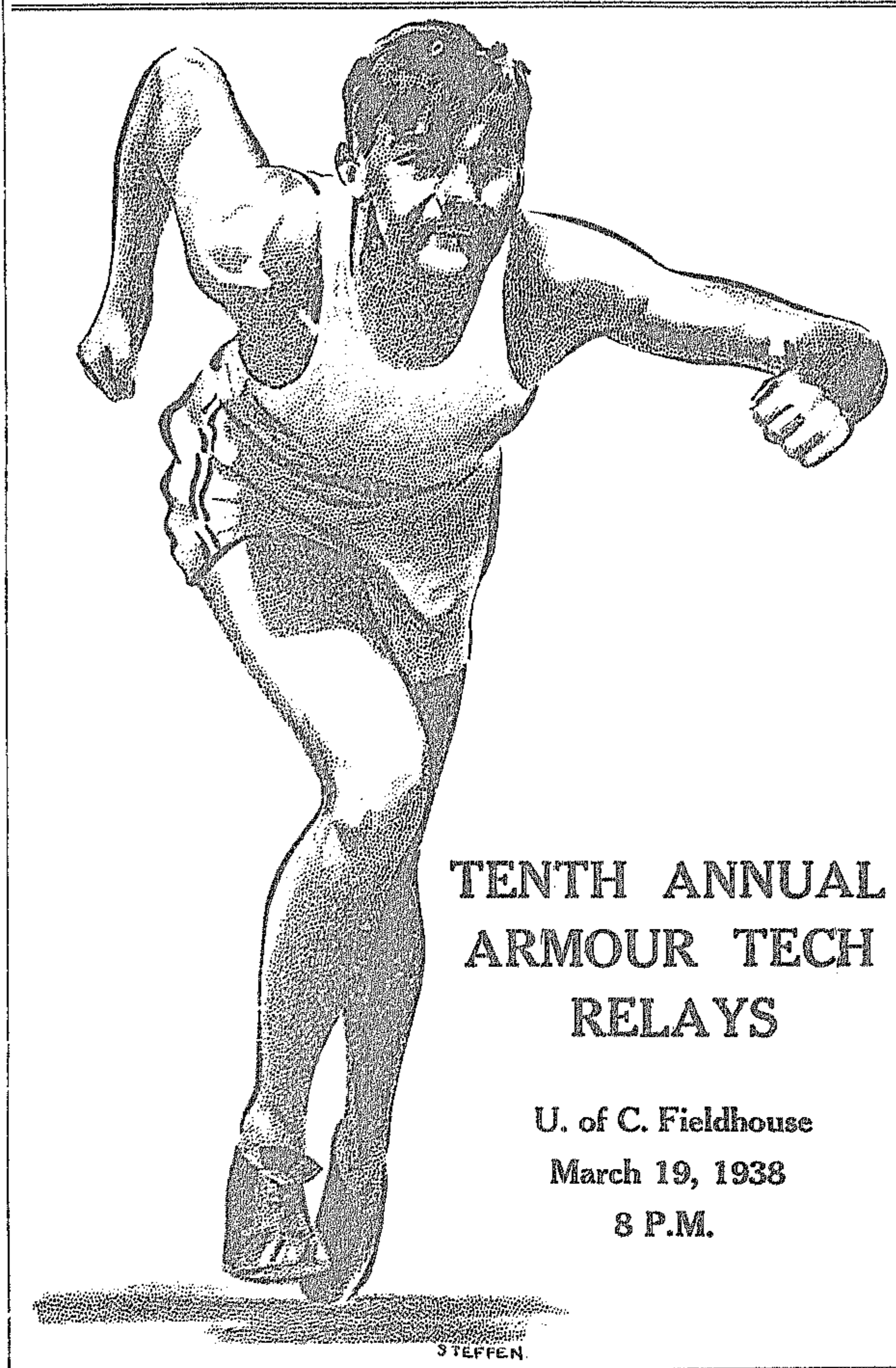
Moore, who is now on his way to Texas, was an honor student and was prominent in school activities during his years at Armour. He was a member of the Tau Beta Pi, Chi Epsilon, president of the W.S.E., an assistant junior marshal, chairman of the jewelry committee, and captain of the boxing team.

# Stage Tenth Annual Armour Relay Games for College Stars Saturday

## Award Goldsmith, Danforth Architectural Scholarships

Two sophomore architectural students, George Danforth and Myron Goldsmith were recently awarded partial scholarships under the Dora T. Bartlett scholarship fund.

The fund was established by an Armour graduate, Fredrick Clay Bartlett Jr., Arch. '34 and the present recipients are the first to benefit under the fund.



## Charley Straight's Music to Be Feature of Frosh Dance April 22

A meeting was held on last Friday by the Freshman Class to complete arrangements for their Spring Dance. The dance will be held on April 22nd at the Lake Shore Athletic Club. The music of Charley Straight and Judy Garland, vocalist, will feature the dance.

Bids are tentatively priced at \$1.50. The freshmen who have been appointed as members of the dance committee are P. Shaffer, H. Zimmerman, J. Waber, E. Steinke, B. Mandel and F. Reh.

The meeting was closed with a discussion on the green cap situation. A committee was appointed to meet with the sophomores and Dean Tibbals. An attempt is being made to secure a rational agreement upon the enforcement of the wearing of the green caps.

## Enforcement of Green Cap Rule Begins St. Patrick's Day

The sophomore class held their first meeting of the new semester last Friday in the drafting room. After a brief discussion it was mutually agreed that the freshmen be required to wear their green caps on and after March 17, St. Patrick's Day. This custom which has continued for years will again be the object of the sophomore's consideration.

In addition it was proposed that the class hold another dance. The success of the dance held in January, coupled with the belief that another dance would be successful, prompted the suggestion. A smoker was also proposed but was met with distinct disapproval.

(Continued on page two)

## RELAY ENTRIES UP TO MARCH 12

COLLEGES: Armour Tech, La Crosse, State Teachers, Eastern Illinois State Teachers, Coe, Carleton, Elmhurst, Culver-Stockton, Illinois State Normal, Loyola, Albion, Western Illinois State, Michigan, State Normal, Milwaukee Teachers, Cornell (Iowa), Northern Illinois State Teachers, Yankton (South Dakota), North Central, Iowa State Teachers, Bradley Polytech, Western State Teachers (Mich.), Kalamazoo, Wayne, Monmouth.

UNIVERSITIES: Wisconsin, Kansas (Lawrence), Northwestern Kansas State (Manhattan).

## 'Night Hawks' Is Night Students' New Name

"The Night Hawks," the recently organized evening student association, is ready for expansion. A constitution has been adopted which includes the following points: affecting a means for cooperation among Evening Division students; cooperating with the Institute in order to promote its growth; and to broaden the scope of its benefits; affecting an avenue for the enjoyment of such social relations as are not available in mere classroom associations; sponsoring meetings to which well known speakers will be invited to talk on subjects of mutual interest; and affecting a means whereby students of the Evening Division may meet to form small groups interested in specific subjects.

The "Night Hawks" offer the evening school student many advantages. Perhaps the greatest is the change to act with a group of men of identical interests in promoting entertainment such as lectures and smokers. Another is the chance to form associations with successful Armour alumni and other men with actual professional experience.

## Research Foundation Publishes Magazine

The newest of Armour Institute's Research Foundation's accomplishments is now rolling off the presses. The new magazine, *The Frontier*, will be devoted to research of the past and present. Each issue will contain interesting articles on the same phase of current interest to the scientist and industrialist. The present issue (Feb., 1938) contains articles on Automotive, Extreme Pressure, and Cooperative research by noted men in their respective fields.

The most interesting phase of the magazine—the article on new methods which describes a translucent coating for windows which will allow the entrance of 90 per cent of the light without the disagreeable property of glass. Another article describes new heat treating salts for high speed steel that will provide a case hardness of 1,000 Brinell. These are a few of the interesting phases of the publication.

The inaugural issue of *The Frontier* contains the following statement by the editor, C. H. Hazard.

"In the formative years of America the courage and vision of our ancestors gradually pushed back the frontier—the line dividing the wilderness from civilization, the known from the unknown. Ever onward the line moved throughout the years, until it came to rest at the country's ultimate frontier—the Pacific.

"The story of that moving line is the story of the past. But still in the present, and even in the more future, is the story of the frontier of scientific knowledge—the frontier for which no Pacific has yet been discovered. In the great research laboratories of industrial manufacturers, of government agencies, of scientific foundations, new frontiers are daily being established. And the progress of the moving line always opens new roads leading to ever more distant outposts."

## Height of Indoor Track Year Exhibited in Fieldhouse

Highlight of the midwest collegiate track year, the Armour Tech Relays will be staged next Saturday night when a galaxy of four hundred track stars from more than forty schools will compete for the coveted relay games cup. The carnival will be held at the University of Chicago fieldhouse where the tradition originated under the direction of John J. Schommer.

Preliminary events will be run during the afternoon while the finals will await the evening program beginning at 8:00 p.m. The field will include the indoor track runs and the open field events, which comprise the pole vault, shot put and the high jump. As a final event, the famed relays will be run climaxing a colorful demonstration of athletic prowess.

#### Divided into Two Classes

As the entries include representatives of both colleges and universities, the schools have been classified into two classes so as to place competition on a fairer basis. The size of the teams range from Albion college's one-man team up to the squad of twenty of the University of Chicago.

Champions of last year, Tolmich of Wayne and Lloyd Siebert of North Central are lost to their respective schools by graduation. Tolmich, highest scoring individual last year, led the Wayne squad to victory by taking first place in the seventy yard high and low hurdles and leading the team to a first place in the medley relay.

Last year's relays saw the fall of the world's record pole vault jump. Lloyd Siebert of North Central scaled the bar at 13 feet 8 1/2 inches setting a new record which has as yet not been broken. This year's games will find glamorous stars who are expected to shatter standing records.

#### May Better Record

Fenske, holder of the mile run record in the Big Ten, is expected to clip a few seconds off the standing record. Becher of Northern Illinois State Teachers is a threat to the high jump record while Padway of Wisconsin is expected to reap honors in the pole vault classic.

As in the years past, the Armour Tech Relays will be presented under the direction of John Schommer. The officials of the relays have been selected by the directing board which includes Armour officials. Dr. Moni-law of the University High has been appointed starter and the position of Head Judge is to be filled by Pritz-laff, Physical Director of the Chicago High School. Announcements over the public address system will be handled by Ted Canty.

Armour students will be admitted to the Tech Relays with athletic passes for general admission with an additional charge of thirty-five cents for reserved seats.

## Senior Class to Hear Dean Potter Today

Dr. A. A. Potter, Dean of the School of Engineering and Director of the Experimental Engineering Station at Purdue University, will speak to the members of the senior class on "Professional Development and Graduate Study" today at 11:30 in the Assembly hall. The talk will be the second in the series of senior lectures arranged by E. L. Stoll, J. W. Anderson and F. Hanneman of the Senior Class Lectures Committee.

Dean Potter is a pioneer in personnel work for engineering students and in humanizing engineering education. Later talks in the series will feature job-hunting hints on "selling yourself" by well-known successful business men.

Senior students are requested to make the necessary arrangements with their instructors to attend these lectures.



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### Are We Cheating Ourselves?

The following letter from a member of the faculty has recently come to our attention:

"This is my third year at Armour. With respect to common honesty, three conditions have been forced on my attention:

1. Copying during examinations is much more prevalent than at other schools.
2. Cooperation on home work and use of the fraternity file system is widespread.
3. Both are more prevalent among seniors than among freshmen.

I may be wrong, but it is my impression that a teacher's job is to teach. Instead of finding classes taking this view (and the related view that a student's job is to learn), I find myself being forced unwillingly to play a sort of game with students. One might call it "Catch me if you can." Now that is usually pitifully easy. The real question is what to do with a culprit when caught.

Generally I ignore such matters on the broad ground that punishment is automatic and adequate, for these students chiefly harm themselves, and certainly do not harm me. The method has several disadvantages. First, it has a tendency to cheapen an Armour degree, thereby harming all students a little. Second, it produces 'unfair competition' among graduating seniors in their search for a job. This also harms honest students. Third, students, being human beings, tend to take the easiest path and this prevents, in some degree, Armour's functioning as a truly educational institution.

I might, of course, hale culprits before Dean Heald. But neither he nor I wish to stop seniors from graduating at this late date. Besides which, a teacher's job is to teach and not to police. If students sincerely desire to learn (not merely to accumulate a favorable record with the placement bureau) they should be self-disciplined. If a few cannot be trusted, the majority should force the few to conform to the prevailing moral code insofar as cheating is an issue.

Let's have a Student Honor Commission."  
 B. E. COETZ.

Well, there it is. The truth of Prof. Goetz' statements cannot be denied. They are a challenge offered us. What shall we do with it? Accept the challenge, or, as we have in the past, deplore the situation and proceed to ignore it?

This question of cribbing has been thrashed out among the students in countless "bull-sessions." There are several different types of student attitudes evidenced in these impromptu discussions. However, it is most surprising to notice that, whatever the arguments offered, they are usually passive. The general attitude seems to be "Sure, it's bad, but what can we do about it?" We, at Armour, seem to accept cribbing, copying, and cheating as a necessary evil.

The defence usually offered by the cribbers or those who help cribbers is that the question of ethics or of pride is not involved. Quite frequently we find the attitude of professional politicians—"you help me today and I'll help you tomorrow." The competent student who helps the incompetent usually doesn't give a "hoot." In any case the cribber, whether occasional or habitual, feels he has nothing to lose and everything to gain. The tragedy is, of course, that both he and the student helping him lose heavily all of the time.

There is no need to indict cribbing on ethical grounds—that is best left to the individual. It is only when we get selfish and material that we can see that cribbing cannot and must not be tolerated any more at Armour. It is our own interests which suffer from the reputation which excessive cribbing invests in a school.

The incompetent who cribs his way to graduation is quite dangerous to the school from which he graduates and to his fellow graduates. After he has been fired from a job, his employer isn't likely to employ another man from the same school. The employer is soured on every, and all graduates from that school, however honest or competent they may be. Every job from which he gets fired thus reduces the number of potential jobs open to other graduates from his school.

By cribbing and condoning cribbing we only jeopardize our own interests—we cut our own throats. So, let us accept the challenge offered by Professor Goetz—first, by forming a student honor commission, and, second, by becoming "honor conscious."

If "honor consciousness" becomes firmly instilled in us, there will be no need for the student honor commission. In most schools where honor systems are successfully carried out, the actual enforcement is done by the students themselves.

The reputation of Armour has not yet been seriously damaged from excessive cribbing. Let's do something about it before it is too late.

### The Slipstick

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

*How the devil I get into situations like this I don't know! As far as an exhaustive survey enables me to ascertain no one reads this column and the freshmen who inadvertently DO look at it immediately turn a mild shade of olive green and hastily leave the room to complain bitterly to the dean. It's not the big rocks—it's possible to see them coming, it's the incessant rain of BB shot and paper wads that's making a jittering wreck out of a once noble specimen. (Yeah—I have also been informed that I must be a moral leper.)*

I try hard to make the gags suitable to the environment. Here is an illustration of the birth of a riotously funny joke.

Joke (as told by a gentleman who was obviously apprehensive): Every man has his woman, but the iceman has his pick.

This is then modified to read: Every man has his woman, but the engineer has his slide rule. And yet no one gets the point. They say it isn't funny any more in that form.

This verse is unique in that it is not labeled, "Pome."

*Both beautiful and dumb  
 Must my true love be.  
 Beautiful, so I'll love her.  
 And dumb, so she'll love me.*

I have just been told that this is as old as a certain word starting with "H" that is censored in this column. I wouldn't know. They are picked with absolute impartiality—any copy of the *Armour News* dated four years ago is chosen and the column sent to the printer with instructions to simply reverse the order of the jokes.

Potter: "Ye gods! What kind of a derivation is this!"

Student: "I took it direct from Schuster & Lee, sir."

Potter: "Hmm, very concise, isn't it?"

*There is no cooperation in wooing the muse around this institute.*

*"Do you know any good gags, Jess?"*

*"No, do you?"*

*Now, I ask you, what kind of a joke is that—And don't bother to answer.*

Elected as most popular CLEAN gag by an overwhelming majority. (The only one anyone knows.)

"WHO WAS THAT LADY I SEEN YOU WITH?"

### A.D.T. Alarm System Explained to F.P.E.S.

The Fire Protection Engineering Society had the pleasure of hearing Mr. McGinis of the American District Telegraph Company (A.D.T.) at their meeting in C-Mission last Friday morning at 10:30. Mr. McGinis described the many interesting services that the A.D.T. system offers to the property owner. Among these services are watchman checking, burglar alarm control, sprinkler system supervision, and bank vault alarms.

The speaker first described the origin and development of the company and then told how the company is organized at present. Among the devices that are used to detect out of the ordinary occurrences are the heat sensitive instruments for detecting fires. These devices will record the presence of excess heat due to fire in the space of only forty-five seconds. They are operated on a rate of rise principle by the expansion of air that is contained in a tiny copper tube eight hundred feet long. The expanding air operates a thin diaphragm which breaks an electric circuit. The stoppage of the current flow permits a relay to register an alarm in the central office of the company. In addition, a siren is started on the outside of the building to let the fire department quickly locate the piece of property needing aid.

Mr. McGinis also told of the elaborate precautions that are taken to insure proper operation of the equipment when the time comes for it to function.

The trouble alarms proved to be of considerable interest to all of the members.

### Fire Discovered in Chapin; Extinguished Without Loss

A small fire broke out in Chapin 105 last Friday afternoon. Dr. Perlin's soph co-op calculus class was alarmed when Steve Cibira, a student, noticed smoke issuing from a small hole in the floor. With the aid of a janitor the basement door was broken open, but fire wasn't discovered in the basement.

The fire was confined to an area between the floors, and broke through the floor in one place only. The cause of the fire is problematical and may have been caused by crossed wires or a cigarette dropped into a crack in the floor. In any case it could have become extremely dangerous. It is rumored that carelessness on the part of the co-op students caused the fire.

### Fraternity Organized by Sophomore Co-ops

Last October a group of sophomore cooperative students organized the Alpha chapter of Kappa Alpha Pi, national fraternity. Although unheard of by most of the students and faculty, the organization has become very popular among the co-op students. The twelve charter members of the Armour chapter organized the group last October 1st and are proud to say the brotherhood has increased to twenty, and six new men being pledged.

While striving hard to be recognized by the Institute, they have endeavored to keep the dues low enough so as to enable even the financially unfortunate to join. However, membership is limited to co-ops.

### Charley Straight's Music—

(Continued from page one)

moral comprehension. (To the sophomores), the very fact that the freshmen did not have any organization, and were floundering in their plans while the sophomores were sure of themselves and carried out their program with finality indicates without a doubt that the freshmen will wear green caps regardless. And behind the scenes, the sophomores are sure of this fact. But the freshmen—well this tall thin lad again got up and waving his arms in a semicircle this time cried: "Are we going to wear green caps or are we going to let the sophs think by some remote chance however slight, they are a mite stronger?" One third of the room cried yes! Another third cried no!

### Prof. Krathwohl to Speak at Central Y.M.C.A. College

Professor Krathwohl will speak this Friday before the Men's Mathematics Club on the subject of "Effective Teaching with Color." The meeting will be held at the Central Y.M.C.A.

The use of color in teaching is merely an application to a new field of what the business world has realized for a long time. Color enables a person to grasp the salient points immediately without a great amount of detail. The variation of color affects the way in which a person will react to the image. Brighter colors causes a desire to continue, while dark depressing shades serve to minimize the object which they represent.

Professor Krathwohl has for many years used colored chalk in his classes at Armour. That he has been eminently successful in his methods is evidenced by the interest taken by the students in his mathematics classes.

## Fraternity Notes

### PI KAPPA PHI

A very novel dance was swung on March 12. The dance, from start to finish, was one unexpected form of entertainment after another. The dance was put on by the class of '41 in an A-1 style.

The ping-pong tournament has now narrowed down to eight finalists, all equally good. "Poor" Brother Pave is trying to pick the team from these eight.

### PHI KAPPA SIGMA

We congratulate the following men on their formal initiation into Phi Kappa Sigma on Feb. 25, 1938, at the Medinah Club:

Earl Anderson  
 Robert Hausske  
 Jack Clark  
 Grant Whitehead  
 James Crotty  
 Robert Lange  
 Paul Heubach  
 Ben Lease  
 Robert Greenberg  
 Charles Proctor  
 George Gardes  
 Bruce Olsen  
 George Lykowski  
 Robert Ettinger  
 William Hoverson  
 Ronald Smith

We also wish to announce the pledging of Phillip Pettes, C.E.-41.

The pledge dance was a "screaming success" when at midnight, the lights snapped out and a phosphorescent skeleton came glowing down the steps, and strolled amongst the dancers. The house was original in its decorations, and with the help of Art Janke's orchestra, the Phi Kaps had a time of it.

It seems that some of the boys in the house have found a new way to while away the unoccupied moment. Frequent "Jam Sessions" form the new diversion.

### DELTA TAU DELTA

Practice for the approaching bowling tournament and preparations for the coming ping-pong battle with last year's champs have been among the forms of diversion common around the "Delt" house.

However, though inter-fraternity competition spurs during the week, the week-end saw a radio dance on Saturday night, and a Mothers' Club tea Sunday afternoon.

Scherer passed out cigars last Tuesday because he is no longer wearing his badge.

### THETA XI

While the men stand about in our rooms thinking over the enjoyable hours that were spent at our Shamrock Party a la the pledge group; Chief Editor-in-Chief Emmerich is working frantically to feed the giant rotary presses as they turn out the *Alpha Gamma News*.

Decorative paddles are being exchanged between the new initiates and the graduating seniors. They're very fine examples of woodcraft, and they certainly are appreciated.

### SIGMA ALPHA MU

Sigma Alpha Mu is pleased to announce the pledging of

Paul Mayer, Ch. E. '41.  
 Charles Iker, Ch. E. '41.

Plans have been made for a Parent-Alumni Meeting to be held on the evening of March 16th, at the chapter house. Paul Sang will speak on his recently completed tour of Europe.

Details have been completed for Sigma Alpha Mu's Annual Water Frolic, to be held on the evening of March 18, at the Medinah Athletic Club.

Fraters have been busy for the past week polishing up their paddles in preparation for the hell week and initiation which will start next week.

## ARX NEWS

*T'heck (yes, tech) with introductions.*

It seems as though one audacious freshman, Poor by name, was in want of a date for the Mad Hatters' Ball and wishing to take one of the art school gals, went up to one in the cafeteria and inquired if that nice young thing would swing it with him. To which she replied, "Maybe you had better ask one of the students!" There are rumors that she was either a teacher or a model. Good taste, anyway, I guess.

Our Swedish Smoking Swami Swanson has queer taste in pipe tobaccos, for just the other day he was using sawdust and cut up rubber bands in his tobacco mixture. Odd.

Professor Potter's un-Passionate Pupils in Physics are in a state about about the way locomotives go: D-ING, DING, DING, DING, D-ING-G.

We have at long last (me and the duke) found out a definition for Burnham's "nosey parker." It's the same as a quidnunc.

Maybe it's just as well that so many men in the department are cultivating mustaches, because after seeing how terrific the other guy looks, they can tear home to remove their feeble growth.

*T'heck with conclusions.*

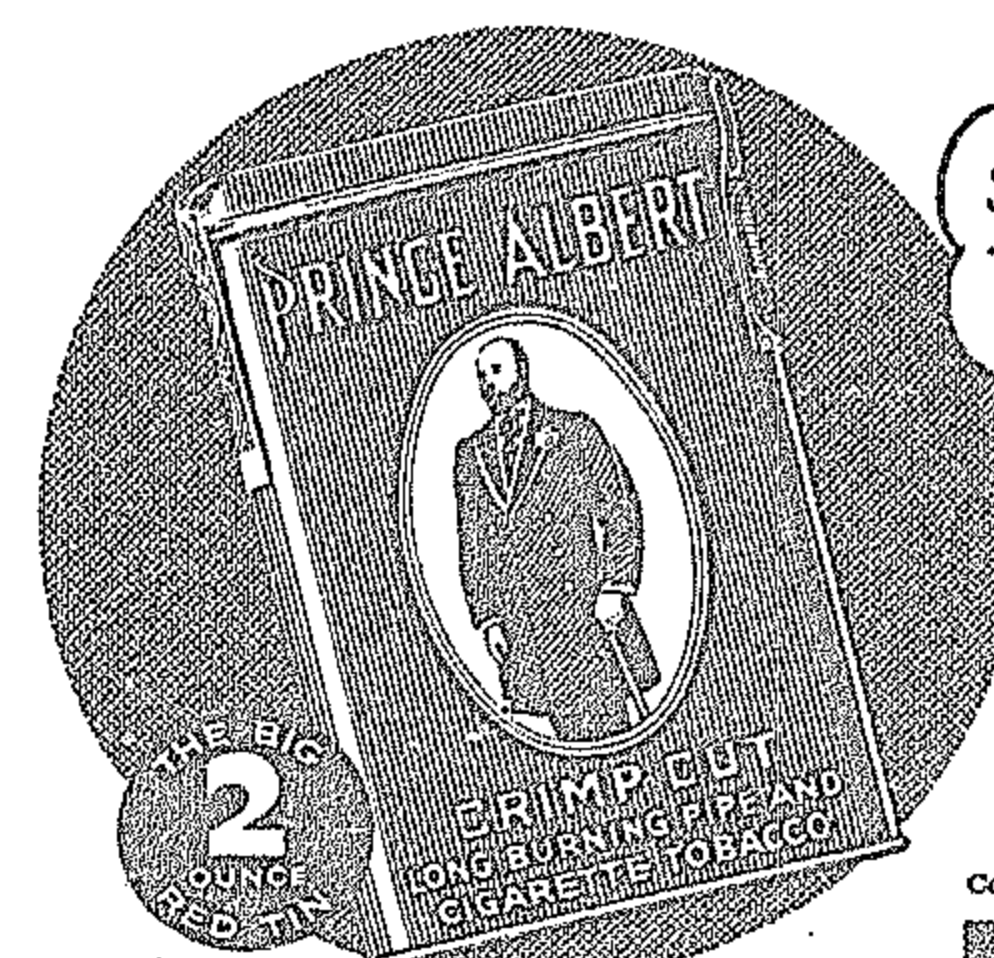
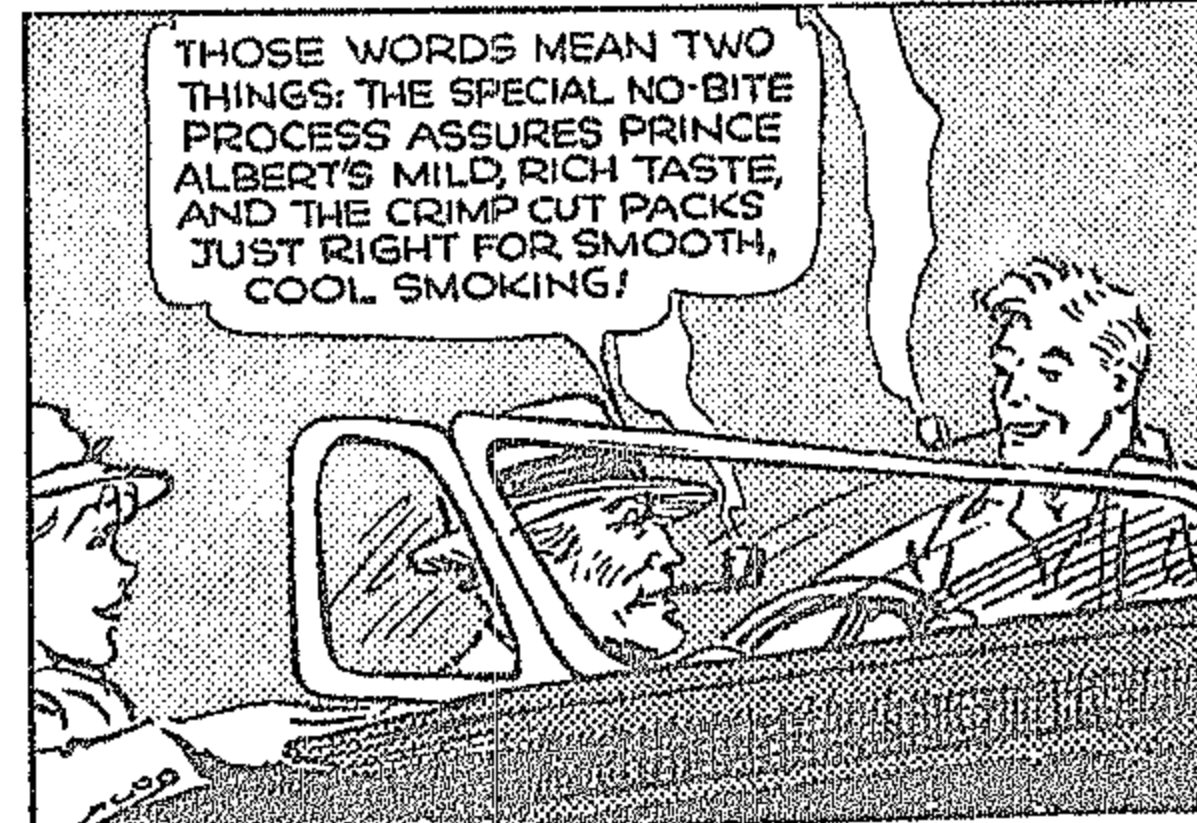
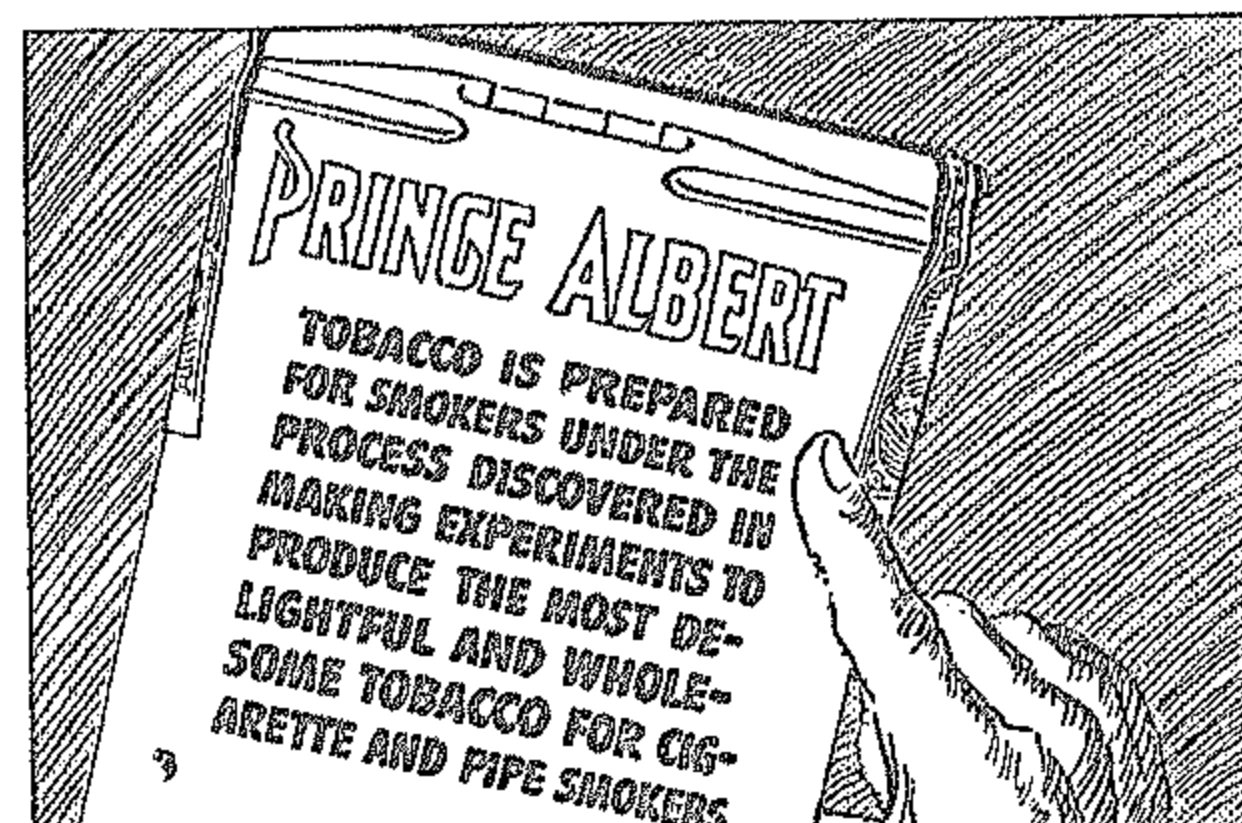
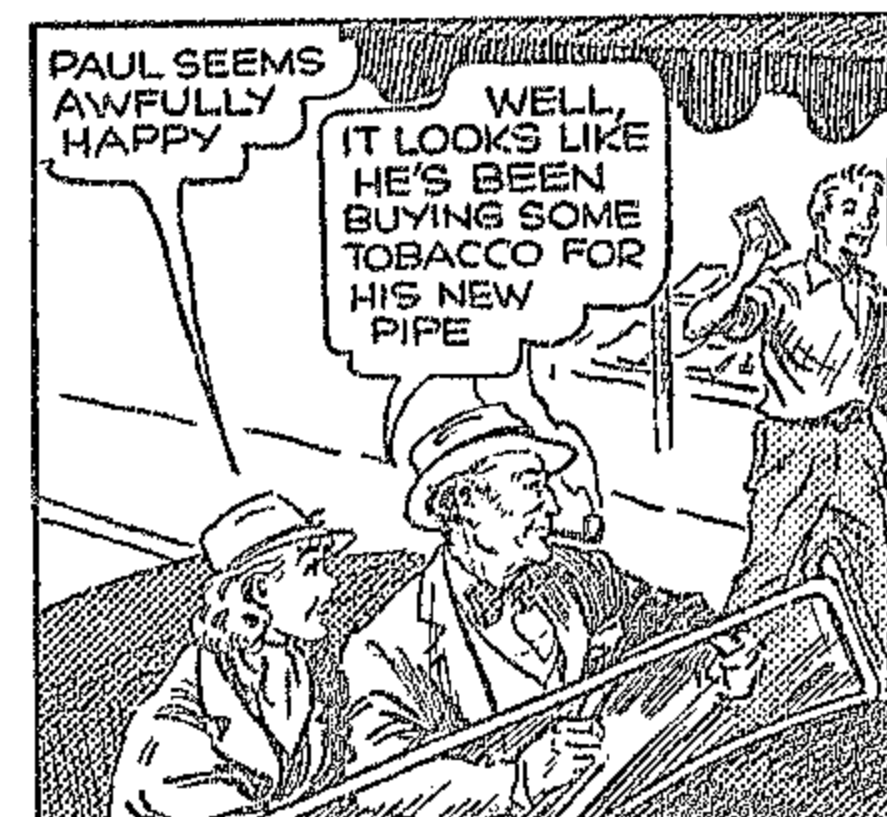
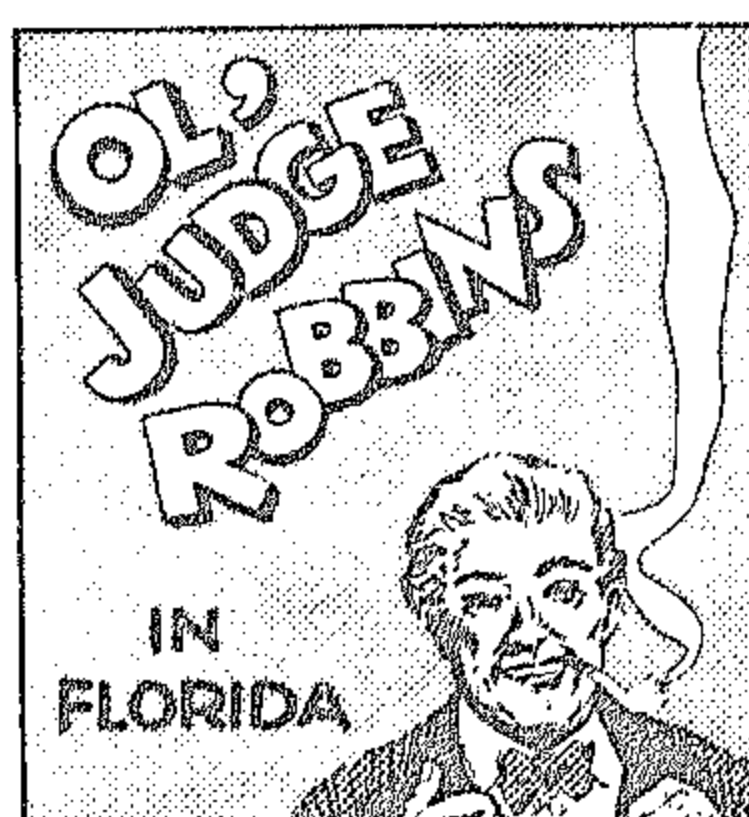
BOZ-ART.

### Eta Kappa Nu—

(Continued from page one)

Many noted men representing the business world, included patent lawyers, research directors, business men, and electrical engineers, spoke and discussed topics at this meeting.

Attending this conference were delegates from numerous college chapters, members of alumni groups, and professors and instructors of electrical engineering. The conference took place in the Auditorium Hotel, and the Saturday meeting at which Dr. Poulter spoke was held in the Blue Room.

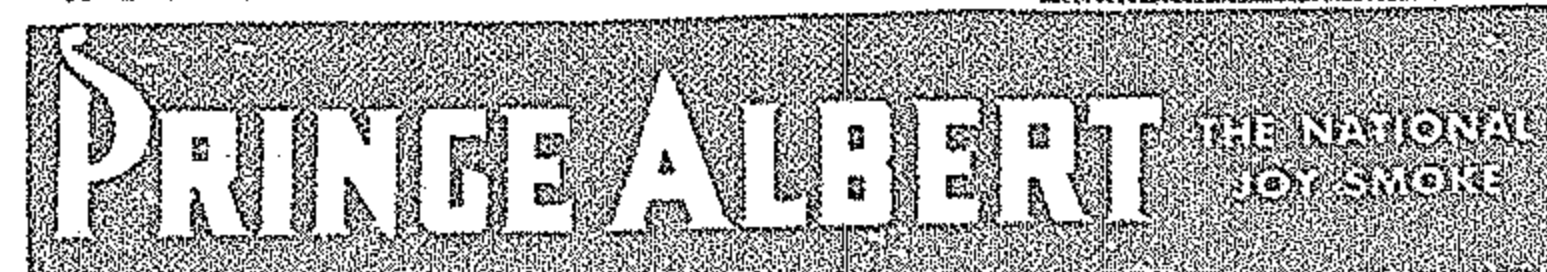


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# Records on Probation During Tenth Running of Tech Relays

By Eugene Worcester

Over four hundred athletes participated in fifteen college and university events last year, the ninth running of the Tech Relay Games. Two of the fifteen records were bettered, and a third tied. In the college division, the North Central Cardinals clipped one and eight-tenths seconds off the time of 3:27.8 in the college one mile relay, held by Michigan State Normal.

Lloyd Siebert, wiry pole vaulter, also from North Central, added almost two inches to the old vault height of thirteen feet six and three-quarters inches held by Haller, of Wisconsin, who took a second place. Allan Tolmich of Wayne University tied the record of :07.6 in the low hurdles.

**Tolmich Scores High for Wayne**  
The team trophy went to Wayne University of Detroit. Led by Tolmich, the team garnered 49 points with four firsts, four seconds and some lesser places. Tolmich was high scorer for the meet, winning three blue ribbons in the 70 yard high and low hurdles and the 70 yard dash for 15 points, and pacing second position on a winning college sprint medley team for 2½ points, making a total of 17½ individual points. Second place team honors went to North Central.

A study of the records shows that the oldest standing records have weathered six seasons. The unusually good times for the college sprint medley relay and the one mile run, as well as the six feet nine inches in the high jump total the three events whose marks haven't been bettered since 1932. Three more are five years old.

**Five Records Fall in 1936**  
Five records fell in the running of the 1936 Relays, an unusually large number for a large open meet, eight seasons old. Because the relays are now ten years old, and several thousand picked athletes have in the course of this time participated in their running, it is becoming increasingly more difficult to break or even tie the high marks set by these past contestants.

However, it is not unlikely that the standing marks in both the college and university two mile relays might fall. An evenly balanced team of four half milers running at 2:01.5 or better, which is not exceptional time (except for four men on one team from one college), could break the standing mark of 8:07.9.

**Records Will Fall**  
The standing times on the 70 yard dash and low hurdles have been tied several times, but the five year marks of :07.1 and :07.6 are still to be bettered. It would take a good quarter miler and an excellent long distance man to beat the old times of 50 flat and 4:14.1 in these events. As to just what records will fall and who will capture them is dependent on the teams entered, the quality of their coaching and their material, and their competitive strengths. The track conditions and facilities are tops in the midway fieldhouse, so that any man with talent and ability will meet plenty of good, keen competition to test his, or his team's strength against a number of middle western colleges and universities.

## Spring Air Aids Plans For Net, Tee Squads

With the twang of spring in the air, Armourites are preparing for the opening of the tennis and golf seasons. Practice in both sports, will commence in the last week of March and regular sessions will be held until the formal opening of the seasons.

The tennis team headed by newly appointed captain Kubie will hold its initial workout in the Armory next Tuesday. Although at present handling such stalwarts as Swanson, Natinchek, and Wagner, Manager Schlaw makes it known that all positions are open.

The first encounter of a thirteen meet schedule will be against Chicago Normal on April 21. During the course of the season, Chicago, Loyola, Purdue, Butler and Indiana State Teachers will be met. The latter three will be faced during the annual trip which will start May 12.

## SCHOMMER ON RADIO

Professor John J. Schommer, official of the Relays, will present a preview of the Armour Tech Relay Games next Thursday evening over radio station WCFL.

The talk, designed to stimulate public interest in the track carnival, will last for fifteen minutes from 8:00 to 8:15 p.m. During this time the originator of the Relays will relate the history and purpose of the event, and foretell a little of what is to happen Saturday night.

## Comeback Halted as Swimmers Fall

Almost turning the tables, the Armour tank team was barely submerged by DePauw at Bartlett Pool last Friday, 43-32. From the first boom of the starter's gun till the end of the last event, the Tech men gave all they could to avenge the former defeat at Greencastle.

Armour started off by winning the medley. Aided by perfect timing, the Winblad-Svadis-Anderson combination finished in the time of 1:09.4.

Dodge dropped a lead to Erdman of DePauw, while Andersen and Pettes put Armour back in the lead with first and third.

Dodge and Winblad took seconds to Salisbury and Kieger in the 100 free and 100 back events, respectively. Dependable Vic Svadis put on a fine display of butterfly to win his 100 yards in 1:55.5.

Armour led in the last crucial event only to have DePauw even it up in the second leg. Then with a final sprint the visitors outplashed Tech in 1:22.4.

Another return meet was to have been held yesterday against Loyola University, whose squad nosed out Tech early in the season.



(EDITOR'S NOTE: This column is being conducted by ART JENS, former sports editor and originator of Tech Shorts back in 1929.)

Bartlett Gym, snuggled neatly in the cloistered area that is the University of Chicago, was the scene, nine years ago, of an indoor invitational track meet that today has grown into the Armour Relays. Saturdays' meet will be the tenth running of this famous event that has brought to Chicago some of the finest athletes that have ever competed in a track and field meet. Intercollegiate, national and world champions have vied for the coveted Armour Relay medal.

It would be putting it mildly to say that this year's meet has passed beyond the wildest dreams of its founders, Messrs. Allison, Stag and Schommer. In its tenth running the Armour Relays becomes of age and is now regarded as the middle west's premier indoor track carnival. All of this notwithstanding the revived famed Illinois Relays, the Chicago Relays, the Butler Relays, et al.

**Time Marches On**  
This column marks your correspondent's 70th effort in this direction. Our brain child was started in

## Successful Mat Year Sees Final Tomorrow

The two meets with Morton Junior college this season are the alpha and omega of the Tech wrestlers' schedule. The matmen began their '37-'38 season with a 35 to 5 win over the grapplers from Morton.

Tomorrow will see the culmination of a successful season, the Tech wrestlers holding a record of six wins against two defeats from Wheaton. Fresh from their victory at Culver, and after their workout in the Wheaton invitational, Lonny's boys should be in rare form.

1929 and has appeared almost continuously since then. This will be our 10th Armour Relay during which time we have served as a spectator once, participant twice and official seven times.

### Michigan Maybe?

At this writing it is not known what teams will compete in the university section. It is very likely that Northwestern, Wisconsin, Chicago, Marquette, Illinois, Kansas, Iowa and Michigan State will have teams entered. Again the Michigan question comes up. It seems now that Fritz Crisler is firmly installed at Ann Arbor, Michigan may be prevailed upon to send teams to future Relay meets.

It was indeed a pleasure to read the summaries for the 1937 Illinois Relays of places won by Tech's tracksters in the college two-mile and the college medley relay races. The last time an Armour man won a medal at an Illinois Relay Carnival was in 1930 when Don Paul was nosed out of first place by Olympic Champion Jim Bausch in the shot-put. The last relay victory was about 1927 when a mile team composed in part by Fred Payne and Phil Deiwert romped home in first position. This victory was slightly tainted though.

**More Facts and Some Novelties**  
Armour's present track mentor, Norm Root was a double winner in Armour's first invitational. He won the 50 yard dash in 5.6 and the 220 in 25.2. Both marks are commendable considering the conditions under which the inaugural was run. Dr. Raymond was honorary referee and John Schommer was head man in charge.

As time marched on the biggest change and possibly the most fortunate was when Chicago's new field house was opened. It was then that the events were divided into two classes, the college and the university. This was to even up the wide disparity between the two divisions. Novelty features such as football relays and all-around events were added to meet certain needs. In the Olympic year of 1936 the all-around was introduced to allow the Olympic committee an opportunity to size up material in this area. Incidentally

EXISTING ARMOUR RELAY GAMES RECORDS			
College Events:	Contestant	Record	Year
One mile relay	North Central College	3:26.0	1937
Two mile relay	Illinois State Normal	8:07.9	1934
Sprint medley	Illinois State Normal	3:33.1	1932
University Events:			
One mile relay	Pittsburg	3:21.9	1934-35
Two mile relay	Michigan State	7:53.2	1933
Distance medley	Michigan State	10:24.5	1935
Individual Events:			
70 yard dash	Grieve, Illinois	:07.1	1936
	Herman, Carleton	:07.1	1934
	Johnson, Illinois Normal	:07.1	1933
70 yard low hurdles	Tolmich, Wayne	:07.6	1937
	Knappenberger, Kan. St.	:07.6	1935
	Sandbach, Purdue	:07.6	1933
70 yard high hurdles	Huntley, Illinois	:08.7	1936
440 yard run	Heg, Northwestern	:50.0	1936
880 yard run	Beckett, Marquette	1:55.5	1936
One mile run	Brocksmith, Indiana	4:14.1	1932
High jump	Nelson, Butler	6 ft. 5 in.	1932
Pole vault	Siebert, North Central	13 ft. 8 1/2 in.	1936
Shot put	Davis, Hillsdale	48 ft. 4 in.	1935

none of the winners were included in the final American decathlon team. A lad from out west won the world title. Remember him? His name was Glenn Morris.

With increased efficiency the by-words in all lines of endeavor we shall condense in the following an issue of Tech Shorts within Tech Shorts as thus:

Bill Krafft who was Armour's baseball and basketball coach for many years is now a successful insurance salesman in Chicago. He learned his trade selling Bibles in Kentucky when he was graduated from North Central many many years ago. To suggest any record breaking performances in Saturday's meet is to be placed definitely on the spot. Al Tolmich, the streak of lightning from Detroit last year at our relay events, has broken world's records in the past indoor season in the east and has run into the ground Georgia's famous Forrest Towns and Oklahoma's Sam Allen. At one time the broad-jump was one of the features of the Relays. Because of the extreme danger to contestants in making the long run necessary to successful broad-jumping the event has been discontinued. As a suggestion to the Relay fathers it might

be an idea to present to winning relay teams plaques mounted on shields for display in trophy cases. . . . Glenn Cunningham created a marvelous record several weeks ago when he ran the mile in 4:04.4. . . . If Norman Taber, Jack Lovelock, Glenn Cunningham and Archie San Romani were to put together their fastest times for the first, second, third and fourth quarter miles in competitive mile races, their times would total 3:58.8. . . . Does it seem possible then that one man say Cunningham could run the mile in four minutes? . . . We hardly think so. . . . A crack mile relay team could negotiate the distance in close to 3:20. . . .

Maybe we should end this somewhere or we might tell you of the time track Captain Charles Jens thought he would enter the Armour open boxing championships and ended up on the floor in the first round of his first bout with a beauf of a shiner. . . . So we close only with the suggestion that every Armour man, and that includes our many alumni, should attend Armour's 10th anniversary meet. . . . For the lads in school—you're a sap if you don't.

Art Jens.

**SHE RISKS HER LIFE FOR THE**

**MOVIES**

IONE REED, Hollywood stunt girl, after a hazardous feat, asked for a Camel. And that led to the question: "Do you have definite reasons for preferring Camels to other cigarettes, Miss Reed?"

HERE'S MISS REED'S ANSWER: "Yes, I certainly have. Camels are different in so many ways. Going through my stunts over and over is a severe test of healthy nerves. I smoke Camels all through the day, and my nerves don't feel the least bit frayed. Being so mild, Camels are gentle to my throat too. After a meal, I enjoy Camels—for digestion's sake. You see—in so many ways, Camels agree with me."

DARING? Yes! Foolhardy? No! Ione Reed knows what she's doing. And she smokes Camels, because, as she says: "It means a lot to me to know that my cigarette agrees with me!"

Millions of other people find that Camels give them what they want in smoking! Men and women in all walks of life say: "Camels agree with me!" If you are not now enjoying Camels, perhaps you, too, will find as others have, that it means a lot to smoke Camels—the cigarette that is made from finer, MORE EXPENSIVE TOBACCOES, Turkish and Domestic.

PEOPLE DO APPRECIATE THE COSTLIER TOBACCOES IN CAMELS

THEY ARE THE LARGEST-SELLING CIGARETTE IN AMERICA

FOR RECREATION Miss Reed likes cooking...dancing...outdoor sports. And Camels! "Hollywood seems to prefer Camels," she says. "I notice so many of the stars smoking them."

DOUBLE-FEATURE CAMEL CARAVAN Two great shows — "Jack Oakie College" and "Benny Goodman's 'Swing School'" — in one fast, fun-filled hour. On the air every Tuesday night at 9:30 pm E.S.T., 8:30 pm C.S.T., 7:30 pm M.S.T., 6:30 pm P.S.T., WABC-Columbia Network.

**Camels are a matchless blend of finer, MORE EXPENSIVE TOBACCOES—Turkish and Domestic**

**"What cigarette do the tobacco growers smoke themselves?"**

**"Camels — by a large majority," say planters who know the kinds of tobacco bought by each popular cigarette**

T. N. Williams, well-known grower, of Winchester, Kentucky, says: "A planter knows tobacco. My last crop was the best I ever had and the Camel people bought my best leaf tobacco. There isn't any question where the more expensive tobaccos go. They're in Camel cigarettes."

"I'm a planter," says Vertner Hutton, who has grown tobacco for 25 years. "Camel bought the best leaf tobacco of my last crop. Paid a high price for my finest grades. I smoke Camels — because I know there isn't any substitute for more expensive tobaccos."

Top prices, that's what J. B. Jackson, successful planter, got from the Camel buyer last year. "Camel buyers don't buy just any tobacco — they pay more to get the best. That means finer tobaccos are used for Camels. I say quality has got to be grown in tobacco. That's why I smoke Camels."

ONE SMOKER TELLS ANOTHER

**"CAMELS AGREE WITH ME"**

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## Discuss 'Welding' on First of Civil Engineering Series

### Grinter, Simpson Talk on X-Ray Tests

The first of a new series of educational broadcasts concerned with the field of civil engineering and sponsored by Armour Institute of Technology, was presented March 12, over Station WCFL, at 7:00 o'clock by Alexander Schreiber. The scientific interpreter. The subject of the evening's broadcast, "Welding," was discussed by Dr. L. E. Grinter, director of the Department of Civil Engineering and Dean of the Graduate Division, and Mr. W. M. Simpson, also of the Department of Civil Engineering at Armour.

Mr. Simpson reviewed Chicago's New Building Code which was passed last November by the City Council. When the code goes into effect, it will be legally possible to weld important structures in Chicago. The general specifications of the code cites the materials to be welded, the severity of atmosphere conditions permissible during welding, such as rain and wind, and the precautions which must be taken during objectionable atmospheric conditions. The code also specifies the allowable stresses, both in the materials to be welded, and in the weld itself, and also the method of testing welds.

#### Test by X-Rays

Dr. Grinter discussed the various tests which must be made on welded constructions before it is approved by the city engineers. At least 3 per cent of the welds in important members must be tested before the steel is enclosed in concrete or any other fire-proofing medium. These weld tests are actually made on the job. The test loading is one and one-half times the loads which the structures will later have to carry.

Structural engineers today can product joints in structural steel by welding that are fully as strong as those produced by riveting. A weld can easily be made stronger than the actual material that is welded, whereas a riveted joint will usually break in the rivets. The trend is definitely to replace light riveted structures with welded ones.

#### Explained City Regulations

There are two types of processes commonly used in welding today. They are: electric arc welding and gas welding. In both processes, the object is to heat the metals to be welded, at the same time to add additional molten metal and then allow the weld to cool so that all parts are banded firmly together. The difference between the two methods is that gas or oxy-acetylene welding supplies heat by the combustion of acetylene and oxygen; whereas in the case of electric welding, the heat required to melt the steel is obtained from the electric arc. The metal rod, used as an electrode, melts away to supply the additional metal necessary which is carried across the electric arc on minute liquid drops. The rods are coated with a material which guards the weld from the atmosphere by producing a gaseous envelope around both the weld and the arc. Otherwise, the nitrogen and oxygen from the air would be absorbed in the weld and make it brittle.

#### Use Electric Arc and Gas

In order to determine just how safe a weld is, the process of x-raying welds is being used. The rays are passed through the metal and they affect a photographic plate placed on the far side. Flaws such as slag, nitrogen, or oxygen pockets are indicated by tiny spots so minute that they are almost invisible.

Next Saturday evening, Alexander Schreiber will present another in this series of applied scientific broadcasts sponsored by the Institute.

### David Baker, Arch. '38, Wins 1st Medal For Second Time

Winning the Beaux Arts' class A competition for the second time, David Baker, Arch. '38, becomes the only architectural student in Armour's history to ever win two first medals. The problem to be solved was "An Alumni Club." The problem for which Baker received his other first medal was "A Chalice for Antioch."

Baker also placed first in a Beaux Arts class B competition. He won on his solution to "A Bookstore."

## Registrar's Office Releases Averages; School Average 1.44

(Continued from page one)

Leading the Seniors in individual ratings is W. R. Marshall, chemical, with an average of 2.92. Marshall has been in the lead of all of his classes while at Armour. M. Ephraim, mechanical, and A. M. Zarem, electrical, are tied for first honors in the Junior Class with 2.94. G. J. Derrig, mechanical, who alternated with Zarem for first place in past semesters came in second with 2.93, just one fractional point behind the leaders. R. S. Kohn, mechanical, leads the sophomore class with an average of 2.84, the first average below 2.90 to lead any class in the last five semesters for which records have been reviewed. M. Camras, electrical, leads the Freshman Class with a perfect score of 3.00.

The first ten in individual standings of the Senior Class and their averages are as follows:

Marshall, H. R., Ch.E.	2.92
Wagner, E. F., Ch.E.	2.90
Anderson, N. K., Ch.E.	2.88
Gamson, B. W., Ch.E.	2.88
Johnson, S. J., C.E.	2.81
Schlx, W. F., C.E.	2.77
Speer, T. L., C.E.	2.76
Parker, L. B., F.P.E.	2.72
Kiefer, W. M., E.E.	2.65
Schrieber, A. N., M.E.	2.63

Of the 116 Seniors in the class, 37 of them averaged 2.00 or better.

The first twelve in the Junior Class and their averages are as follows:

Ephraim, M., M.E.	2.94
Zarem, A. M., E.E.	2.94
Derrig, G. J., M.E.	2.93
Jacobson, D. W., F.P.E.	2.82
Loutzenheiser, E. J., Ch.E.	2.76
Yeakle, T. W., F.P.E.	2.74
Wagner, W. A., Arch.	2.69
Moculeski, S. J., Ch.E.	2.63
Peltier, P. J., Ch.E.	2.47
Jaffee, R. I., Ch.E.	2.45
Anthon, H. S., C.E.	2.45

Ephraim and Zarem are tied for first, and Jaffee and Anthon for tenth.

Of the 166 Juniors in the class, 30 of them averaged 2.00 or better.

The fraternity averages indicate that the standing of their students compared well with the general average of all other students. The average of the fraternities which own or rent their own chapter house is 1.40. Those of all other students is 1.45. The honorary scholastic fraternity's averages are of course generally higher. Phi Lambda Upsilon leads the list with 2.58. Tau Beta Pi is a close second with 2.53. Sigma Alpha Mu leads the social fraternities by a large margin with the average of 2.12. Having the highest average of all social fraternities for the last three years allows Alpha Sigma Mu to retain the scholarship trophy. The complete fraternity averages and classifications were released as follows:

#### Honorary Fraternities (Scholastic)

Phi Lambda Upsilon	2.58
Tau Beta Pi	2.53
Chi Epsilon	2.37
Salamander	2.35
Pi Tau Sigma	2.26
Eta Kappa Nu	2.17

#### Honorary Fraternities (Non-Scholastic)

Sphinx	2.01
Pi Nu Epsilon	1.81

#### Professional Fraternities

Alpha Chi Sigma	2.05
Scarab	1.64

#### Social Fraternities

Sigma Alpha Mu	2.12
Theta Xi	1.65
Rho Delta Rho	1.61
Triangle	1.54
Phi Kappa Phi	1.51
Delta Tau Delta	1.48
Phi Pi Phi	1.24
Phi Kappa Sigma	1.22

The averages computed are weighted averages. The letter grades are assigned numerical values as follows: A equals 3 grade points, B equals 2 grade points, C equals 1 grade point, D equals 0 grade points, and E equals 0 grade points. The averages are computed by taking the sum of each grade point multiplied by the corresponding number of semester hours, the total being divided by the number of semester hours credit. In computing averages, grades in Physical Training are omitted. A credit (Cr.) for work at other institutions is considered equivalent to 1 grade point if the student's scholastic standing for work at Armour is below 2 grade points, 1 to 1.5 if equal to or more than 2, and 2 if equal to, or greater than, 2.5.

## Armour to Be Host April 6 at A.I.E.E. Joint Meeting

Wednesday, April 6th, is the date set for the joint meeting of student electrical engineers of Armour Tech, Lewis Institute and Northwestern University. This meeting, to be held at Armour, is sponsored by the Armour branch of the A. I. E. E. Invitations have been extended to the entire Chicago section of the American Institute of Electrical Engineers.

As yet no definite plans have been made, but J. Sodaro, chairman of the affair, expects to offer a program consisting of a dinner, followed by several student talks, and concluding with an open house in the electrical laboratories. Students from Lewis and Northwestern have been invited to take part in the program. It is expected that the program will begin at about six in the evening.

The men in charge of the various program details are: W. J. Laise, reception; R. E. Worcester, dinner; G. M. Ives, student talks; I. Gebel, laboratory work. R. M. Ansel, A. I. E. E. treasurer, is in charge of financial arrangements, and A. M. Zarem is publicity chairman.

## 'Polarized Light' Discussed at 'Eye' Meeting Wednesday

A meeting of the Armour Eye took place at 12:20 p.m. last Wednesday, March 9. The meeting was held in the club's new studio, located on the fourth floor of Chapin Hall, second entrance.

The topic of the meeting was "Polarized Light." A projector to show slides on the subject, was operated by Peter Stanley. Robert Grunwald was the narrator who described slides as they appeared on the screen. Questions pertaining to the subject were discussed later by members of the club and two ardent camera fans of our faculty: Mr. Van Atta and Mr. Hammett.

Prints 8x10 inches or preferably 11x14 inches mounted on 16x20 inch mounts will be accepted from any Armourite for the Open House Salon.

It has been suggested that night school students form an auxiliary branch of the Armour Eye. The dark rooms and studios could be used during the evening.

## M. R. Kingery Speaks at W.S.E. Meeting

At last Friday's W.S.E. meeting, the guest speaker, M. R. Kingery, revealed that for every thousand people in Chicago, four acres of land, and five hundred feet of business building frontage are required for industry and business. These were only a few of the many interesting facts revealed by Mr. Kingery, who is director of the Chicago Regional Planning Board. The topic of his speech was "Future Planning Problems in the Chicago Area."

One of the main problems of the Chicago board is to provide parks for the city. Ten acres of park grounds is considered necessary for every thousand persons in a community, but Chicago has an extremely low figure of 1.7 acres per thousand inhabitants. The average for this region is 6.6 acres, but Mr. Kingery believes Chicago can never have over five acres per thousand.

Highways were also discussed. In 1924, 1,700 miles of pavement existed in this region, only two miles of which were over 18 feet wide. In 1937, these miles of highways increased to more than 4,000, of which

## Woman's Mathematics Club Sponsors Poster Contest

A mathematics poster contest is being sponsored by the Women's Mathematics Club of Chicago and vicinity. The subject of the posters should be the correlation of mathematics to daily life, or any subject in the curriculum. The poster will be exhibited at Mandel Brothers from May fourteenth to May twenty-third. A committee of qualified judges will choose the best one and a tuition award of \$100 at the Ray School of Commercial Art will be awarded the winner.

The posters should be made on poster board 22x28 inches in size. All those desiring to enter the competition should deliver their entries to the Women's Club Bureau at Mandel Brothers before May ninth.

over 800 miles were four-lane or wider, with seven super-highways in Chicago. The highways were built as a result of suggestions by the Chicago Regional Planning Board.

At a short business meeting preceding the speech, the Society decided to hold a splash party within the near future and a committee was selected for the affair.



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that's the watchword for  
Chesterfield tobaccos*

Here's the reason so many smokers like Chesterfields . . .

Thousands of casks of mild ripe Chesterfield tobacco are kept in storage all the time—every pound of it aged 2 years or more to give Chesterfield smokers more pleasure.

*The mild ripe tobaccos—home-grown and aromatic Turkish—and the pure cigarette paper used in Chesterfields are the best ingredients a cigarette can have. They Satisfy.*

*they'll give you  
MORE PLEASURE*

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