

Sophomore Informal To Be Held At Stevens Hotel February 23

'Queen of Dance' To Be Feature of Program

Promising to be as successful as it is enticing, the Sophomore Dance will be held this Friday, February 23, from 9:30 to 12:30, in the Boulevard Room of the Stevens Hotel. The announcement, coming very unexpectedly, was made by the Sophomore Social Committee, headed by Jack Mays and consisting of Gene Ther, Bernie Ellis, Bob Beeson, Sam Fina, Ed Koziol, Warren Groundwater and Jim Walker.

Dancers, attired in informal clothing, will swing to the music of Augie Knapp and his orchestra, who has been the favorite of the South Shore Country Club set during the past winter. The vocal entertainment will be provided by dazzling Vivienne Stewart, whose pictures the reader has undoubtedly seen displayed in several prominent places around the school.

Queen to Be Chosen

A novel feature of the dance will be the selection of a "Queen of the Sophomore Dance." The judges for this event will be five members of the social committee who have vowed to give unbiased opinions under any circumstances. Another inducement will be the availability of all the facilities of the Boulevard Room, including an attractive lounge.

Bids for this affair consist of a small slab of cork upon which all the needed information is printed. The bids come wrapped in cellophane and are priced at \$1.50. Parking facilities near the Stevens are ample, and free parking may be obtained after 8:00 p.m. on Wabash Avenue, next to the hotel.

Glancing back to the time of the Freshman dance last year, there is something quite familiar about the present sophomore social committee. With a few exceptions, the social committee of last year is intact to guide this year's sops in the social swims. With this point in mind, along with the memory of the successful party this group conducted last year, no one should permit next Friday evening to escape his social calendar. So as the old saying goes, "A word to the wise..." See you at the dance!

Co-op Banquet Celebrates End of Five Years

Last Thursday evening 440 Co-op men and their employers, Institute officials, and guests gathered at the Lake Shore Athletic Club to attend the Armour Co-op Banquet. The banquet marked the last lap of the five year course for the first class of co-operative students. This class will graduate in February of 1941.

In the absence of Gen. Thomas S. Hammond who was unable to attend, Mr. James D. Cunningham, president of the Republic Flow Meters Co. and chairman of the Board of Trustees of Armour, acted as toastmaster. President Heald of Armour gave the introductory address. He was followed by Mr. Cunningham who lauded the Co-ops and the work they were doing. Dave Whittingham, president of the "B" group Co-ops then spoke briefly and announced the new staff of the *Armour Tech News* in which Co-ops figure prominently.

Witty Speaker

The principal speaker of the evening was Mr. Nathaniel Leverone, president of the Automatic Canteen Company, who opened his talk on "Understanding" by directing subtle quips at Mr. Cunningham, Mr. John Schommer, President Heald, and everyone in general. Having completely captivated his audience with his wit and humor which he skillfully couched in easy fluent phrases, he gradually worked into his subject. So inspiring were his words, so earnestly and sincerely did he plead for better understanding, co-operation, and praise between individuals that his listeners

(Continued on page four)

March 1st Concert Tickets Selling To Capacity Audience

Tickets sales for the Musical Clubs' concert at the Goodman Theatre indicate that a capacity crowd will be present at this annual event which is sponsored by the combined glee club and orchestra. In spite of the big sale a large number of good seats are still available for the presentation. Tickets may be secured from any member of the Musical Clubs or from the bookstore.

This concert is the highlight of the Musical Clubs' season. A large number of special effects are to be presented in addition to the regular program of concert standards. As part of the program, arrangements have been made for members of the orchestra and glee club to celebrate after the program. To further this idea a reduction has been secured in the minimum charge at the Blue Fountain Room in the Hotel LaSalle. Any other Armourite that wishes to attend may do so.

A concert was presented by the Clubs before the Harvey Business Men on last Sunday. The members were guests of the Business Men at a supper before the presentation of the concert.

Freshmen Elect New President

Feminine charms and high pressure electioneering all failed to influence the freshman class in their election held last Friday. With a majority of 40 per cent, Clarence McDonald took over the presidency of the class from Bill Lease, the temporary president. Lease was defeated, 59-91, in spite of a barrage of handbills advising, "Don't Change Horses in the Middle of the Stream." Jack Schoenwald is the new vice-president having out-pointed Hugh Story in a close race, whereas Joe Maloney defeated Frank W. Havlik for treasurer. Miss Elly von Mueller could not secure enough of the little black crosses to compete against Anthony Noonan who was elected secretary. Representing the class on the Armour Tech Students' Association will be Rocco DeStefano, Wesley Windborne, and Charles Peller. The freshman evidently preferred ignominy of green caps to the loss of the privilege of forcing succeeding classes to don the verdant bowlers, even if "green" is defined in the dictionary as "not free of sap." Seventy-eight freshman asked for the caps, sixty-three said no, and ten weren't quite sure.

School Offers New Elective

In keeping with its relatively new policy of developing curricula in the sciences as well as in pure engineering, the Institute has launched a new chemistry course this semester. The course is being taught by Professor Freud and Dr. Wasely, and is an advanced course in organic qualitative analysis. In most schools, this course is taught as a post graduate subject, whereas at Armour it is offered as a senior elective. Enrollment is limited to ten students. To date seven chemical engineers and one science student have enrolled. It is a six hour laboratory class, with an hour of the lab devoted to discussion.

Starting with pure compounds, the members of the class will learn to fit them into different classifications, to detect them in the presence of other substances, and to identify reactions.

The main advantage of the course will be the acquisition of a familiarity with organic compounds. Three hours credit are to be given for the course.



Campbell, Naturalist Lecturer Will Speak Before Student Body

Dance Club Offers "Social Security" To Unsure Dancers

Are you interested in learning how to waltz, foxtrot, tango, rumba, jitterbug, or what have you???

Here is a splendid opportunity for you. The Dance Club has inaugurated a new modern system which will give you a chance to learn dancing the way you want to dance. Classes will be organized in all phases of dancing.

Because the club has obtained the services of several more professional instructors, it will now be possible to devote more attention to each individual student. For only a nickel you can enroll in any or all of the classes.

The professional instructors will have experienced dancing partners with whom they will demonstrate the various steps. These girls will also assist in instruction, giving the members a chance to try out the steps with an experienced partner.

Once every two weeks, the members will have a club social. These socials, at which the steps learned may be demonstrated, will cost only a quarter per couple. The dating bureau will furnish dates to all those who do not have girls.

The next meeting of the Dance club will be held Wednesday at 5 o'clock in the auditorium. In order to keep the classes fairly small, the membership will have to be limited.

Hayakawa Gives Course at N.U.

In a night school course at Northwestern University, Professor S. I. Hayakawa of Armour Tech and four other scholars are giving a co-operative course in Semantics. The group meets once a week for a period of two hours, and is composed of an older group of students than is usually found in an undergraduate school. The course is so unusual and so new that only the scantiest of meanings can be found in the largest dictionaries. Dr. Hayakawa says it means the study of language and thought.

The study of semantics is properly defined as "Semasiology," but the release from Northwestern lists it as "Semantics." Included will be such topics as the source of meanings, relationship of words to facts, and language as a ritual and ceremony.

Many other facts about language and speech are introduced, and the way is pointed towards greater clarity both of expression and interpretation of verbal events.

Besides Armour's Dr. Hayakawa, several other distinguished scholars will speak.

Peter Woods Appointed Editor In Chief at Tech News Banquet

A.S.M.E. To Attend Talk on Petroleum By Theron Wasson

Tonight at seven-thirty in the second floor auditorium of the Engineering Building, 205 W. Wacker Drive, over thirty senior members, of the Mechanical Department, will assemble, en masse and occupy a section reserved especially for them at a meeting of the American Society of Mechanical Engineers. This meeting will feature the fourth in a series of lectures treating subjects which vitally affect the engineering profession. The particular lecture for the evening is titled "Foreign Engineering Experience."

South American Way

Mr. Theron Wasson, chief geologist for the Pure Oil Company, will be the guest speaker and will present a varied and colorful paper entitled "Exploring for Oil East of the Andes." It is expected that Mr. Wasson will include a recapitulation of his adventures in the production of oil in South America.

This will be the regular annual meeting of the Chicago A.S.M.E. section. Former meetings have featured social legislation, photography and discussion on boiler studies. Professor Daniel Roesch, Professor of Automotive Engineering at Armour, will conduct a discussion on "Research in a Basic Industry" at the conclusion of the convention session.

Senior Critics Meeting Proves To Be Popular

From the results of the first class-discussion meeting of the senior curriculum advisory committee, the final report promises to feature a good deal more than merely a listing of complaints.

It cannot be truthfully said that the criticisms presented were of a destructive nature. In almost every case wherein a fault was found, a suggestion was also offered to remedy the situation.

Prior to the discussion a questionnaire of thirty questions was distributed to all those present at the meeting. These questions were general in scope and did not apply to specific persons, conditions of instruction, or systems in use at Armour. For the most part, each question permitted some written discussion on the specified points with the additional provision that each man could speak his mind on any of the points under consideration.

Discussion Exhaustive

Following the balloting with the questionnaires the meeting was opened for discussion.

One of the remarkable and plausible points about this discussion was the order and fairness which prevailed throughout its duration.

There were probably as many compliments on behalf of our professors and their methods of teaching as there were criticisms.

The confusion which usually arises due to conflicting opinions did not present itself during the session. Each man was given the right to his opinion and all dissenting opinions were aired one at a time.

The discussion was still going strong when time ran out; hence these discussions will be continued at the second meeting to be held one week from this Friday at the same time.

A final suggestion by one of the students was to present a questionnaire to all of the professors, to determine their viewpoints on the subject. This suggestion was unanimously approved and questionnaires similar to those given to the students will be distributed amongst the faculty members.

Aberer, DeMoney, Speth, Hendricks on Board

Amidst the rich surroundings of the English Walnut Room in the Congress Hotel last Friday night, the management of the *ARMOUR TECH NEWS* shifted hands for the thirteenth time. The occasion was the annual *TECH NEWS* banquet. The new editor-in-chief, replacing Tom Hunter, is Peter Woods, Senior Co-op and former rewrite editor.

Aiding and abetting Pete Woods, on the Managing Board, will be Joseph Aberer as Managing Editor, Fred DeMoney as Sports Editor, and William Speth as Business Manager, relieving respectively, Francis Opila, Jim Fahey and Frank Slavin. As has been the custom ever since he founded the *ARMOUR TECH NEWS*, Professor Walter Hendricks, head of the department of Language and Literature, will continue in his former capacity as Faculty Advisor. In the hands of these men now lies the future inspiration of the paper.

Editorial Board Large

Newly appointed to vital positions in the editorial department are James Waber, Desk Editor; John Kucera, News Editor; Robert Mead, Copy Editor; Tom Brown, Feature Editor; and Paul Beckman, Rewrite Editor. Attempting to fill the shoes of Irvin Dzikowski, Robert Bartusek, Eugene Kalnin, Art Hansen, and Pete Woods, the former holders of these positions, these new men will supervise the groundwork of the newspaper. As the central cogs of the publication, Dan Brown and Tom Brown, have been appointed co-assignment editors, a task capably held before by Robert Mead and Joseph Aberer.

Bernard Chertow and Charles McAleer will be the new copy readers, and Bud Murray and Warren Spitz

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Oil Authority Speaks Friday

This coming Friday Dr. Donald Bergman of the Engineering and Development department of the Universal Oil Products Company, will repeat the talk he recently delivered in Houston, Texas before a group of oil men. The talk will be given at the meeting of A.I.Ch.E. Friday and subjects of this discussion will be the Dubbs Process, Instrumentation as a Chemical Engineering Problem and Chemical Engineering Problems in General.

New Methods

Chemical engineering students know that several proposals have been made for a system which would allow the simultaneous distilling of the crude and the cracking of its heavier hydrocarbons in an apparatus which would permit a continuous, or relatively continuous, operation. In the Dubbs process, the preheated crude oil is circulated through steel tubes heated indirectly in a furnace under a pressure of 850 pounds. On leaving the heating coil the superheated oil enters a vaporizing chamber where it separates into gases and vapors which pass through a dephlegmator to a condenser; a liquid consisting of heavy portions which form the residuum; and a solid, coke, which accumulates in the bottom of the chamber.

The Universal Oil Products Company is probably the best known oil refinery design company in the world. Ipatieff, Egloff, Watson, and many others of its men are internationally famous authorities in chemistry, engineering, and legal matters.

Mr. Bergman is manager of the furnace department and an authority on chemical engineering in the oil refining field. Oil refineries find use for more chemical engineers and other technically trained men than any other branch of industry. What Dr. Bergman will say in his discussion, therefore, will be of interest to the general student body as well as the chemical engineers.

All men interested in writing for the *Armour Tech News* are invited to deposit a slip with their names in the contribution box of the Student Union, and to appear for interviews at the News office on Friday evening from four to six.

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A New Volume

This issue of the **Armour Tech News** is the first of a series of thirty to be edited and printed by the new staff which was officially appointed at the News banquet last week. In keeping with this change we feel it particularly apropos at this time to state our editorial policy.

College papers in general are inclined to desert the middle ground of common sense liberalism and adopt extreme policies either radical or highly reactionary. This staff will zealously follow the example of past staffs in editing material in such a way that there will continue to be no desire for censorship by either students or faculty.

The News staff will lose a number of experienced reporters, copyreaders and editors this semester due to the increasing pressure to which seniors are subjected in their schoolwork. Many of these men have contributed to these pages since they were freshmen or sophomores and their loss cannot help but be felt by the board. For this reason and because the **Armour Tech News** is intended primarily as a student publication, the board is especially interested in encouraging lower classmen to replace these men who have given their time so generously. As in all truly democratic institutions, any man on the staff has the chance to prove himself fit for the position of editor and it is only through experience in the lower brackets of the editorial staff that such a foundation can be laid.

We take pride in the successes which the feature department has enjoyed in the last year under the able leadership of Art Hansen and will attempt to keep all feature material in an enjoyable vein without too much regard for prudery. Feature copy will be judged first on its human interest and humor value. The installation of a new and attractive contribution box in the main lobby of the Student Union (a thoughtful gift from the retiring managing board) will make possible a more intimate contact with the student body. Contributions to all departments of the newspaper are welcomed by the editors and any message dropped in the box will receive attention.

The new staff does not intend to change materially the policy of the retiring staff in presenting the news while it is still news in an accurate and fair manner... An especial attempt will be made to give credit where credit is due in news stories of school functions, and material of purely promotional character masking as news will be avoided as much as possible.

We are greatly indebted to Tom Hunter and his excellent staff for the effort they have put forth in the last few weeks in preparing us for our present positions. Several times, staff members went out of their way to make possible more efficient operation of the new staff when the changeover came. Although these men are no longer directly connected with the newspaper, the precedent they have established for fearless exposure of conditions detrimental to the best interests of the Institute cannot help but have a pronounced effect on the policies of the present board.

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

Greetings kittens! Shake our mittens! Glad to see you here today. And we hope (you dopes) that when you leave us you'll be glad and gay. All right so I ain't neat. Fooyonyou but don't forget the Soph Dance Friday...

*There was a young lady named Banker,
 Who slept while the ship lay at anchor;
 She woke in dismay
 When she heard the mate say:
 Now hoist up the top sheet, and spanker!"*

Doctor: "Well, I've knocked the fever out of him anyway. That is one good thing."
 Wife of Patient: "Oh, doctor, do you think there is any hope?"
 Doctor: "Small chance of that, ma'am, but you'll have the satisfaction of knowing that he died cured."

STUDENTS TWENTY-THIRD PSALM

A hard guy is my prof. He maketh me to study hard lessons for his salary's sake, but yea though I study for all his quizzes I shall fear no A's for his eye and his pencil doth confront me. He anointeth my paper with zeroes. My grades runneth low. Surely, ignorance and failure shall follow me all the days of my college life and I shall dwell at Armour for ever and ever... AMEN.

Comedian—"I hear you and the leading lady are on the outs."

Electrician—"Yeah, it was one of those quick change scenes with the stage all dark. She asked for her tights and I thought she said 'lights.'"

The English are a phlegmatic race. A gentleman was once week-ending with an Englishman and his wife. Entirely by accident, he happened one day on the Englishman's wife in her bath. Making a hurried retreat he sought out his host, who was reading in his room, and proffered an apology. He brought his head up out of his book and regarded him for a moment.
 "Skinny old thing, isn't she?" he remarked.

Matt: "What's that gurgling sound?"
Kay: "I'm trying to swallow that line you're throwing."

Relieved

He had been walking with one foot on the sidewalk, and the other in the gutter, and he was not getting along very well. About a mile down the street he encountered a policeman.

"You're drunk," said the policeman.
 "Oh, is that what it is?" he replied. "Thank goodness, I thought I was lame."

When the ladies' underwear factory blew up in Arizona, all the women were either singing "When the Bloomers on the Sage" or "Panties From Heaven."

He (asking a riddle): "Why is it that you have so many boy friends?"
She: "I give up."

Murphy's landlady said: "Pat, I'm afraid I shall have to charge another half-dollar. You're such a big eater."
 "For heaven's sake don't do that" said Murphy. "I'm killin' myself already tryin' to eat what I'm payin' for now."

*A maiden who walked on the Corso
 Displayed overmuch of her torso.
 A crowd soon collected
 But no one objected,
 And some were in favor of more so.*

Rastus: "Say, Sambo, what time in yo' life does yo' think yo' was scared de worst?"
Sambo: "Once when Ah was callin' on a henhouse an' de farmer come in an' ketches me. Boy, wuz Ah scared."
Rastus: "How am yo' suah dat was de worstest yo' evah bin scared?"
Sambo: "Cause de farmer grab me by de shoulder an' he say: 'White boy, what yo' doin' here?'"

"Is it true that girls use lipsticks flavored with fruit juices?"
"It must be. Bob Underhill said his sweetie "Grace"ious gave him the razberry."

Dean—"Where are your parents?"
Co-ed—"I have none."
Dean—"Where are your guardians?"
Co-ed—"I have none."
Dean—"Where are your supporters?"
Co-ed—"Sir! You are forgetting yourself."

The following notice was inserted in a farm weekly newspaper: "Anyone found near my chicken house at night will be found there the next morning."

A family tree of great antiquity is nothing to boast of if it bears only nuts.

Hope you don't know the ludicrous yarn of the two steves playing golf. After missing the ball on the third tee about five times the first stew turned to his hiccupping friend and wailed, "Shay, Joe, I want you to stop inter-ferin' with my game—listen; if you till this green wonch more I'm gonna QUIT!"

The other night I asked my gal: "Would you hold it against me if I told you that you had a good figure?" See you at the Soph Dance.

OH MIN!

SHADES OF



Some Rules governing the Freshman's actions in the days of stricter rules are: Freshmen must stand when speaking to a sophomore; must greet a sophomore with reverence; must give up a seat to a sophomore; must not use wash rooms, and must not smoke pipes.

"Where is the capital of Illinois?"
"Springfield."
"Where is the capital of Africa?"
"31st and State."

Armour Tech News '34.

The grade point system now in effect was begun in 1934. Before this present system, a student having a 95% average earned an A, while 94.8% was equivalent to a B.

ELECTRIC LOVE

If she wants a date—Meter
If she wants an escort—Conductor
If she is slow on comprehension—Accelerator
If she goes up in the air—Condenser
If she is hungry—Feeder
If her hands are cold—Heater
If she is narrow in her views—Amplifier.

Tech News '34.

The Formal dance of the year originally took place as the finale of Junior Week, and classed all social events of the school year.

Fraternity Notes

Triangle has put their crop of freshmen through their paces and initiated them last Sunday. The new members are Richard Roberts, Charles Wallace, Herbert Curry, Vernon Johnson, and Bert McCleneghan. However, Alpha Sigma Phi outdid Triangle even though they only initiated two men. The two were assistant professors Anderson and Giddings of the Armour faculty. They have consented to act as faculty advisors.

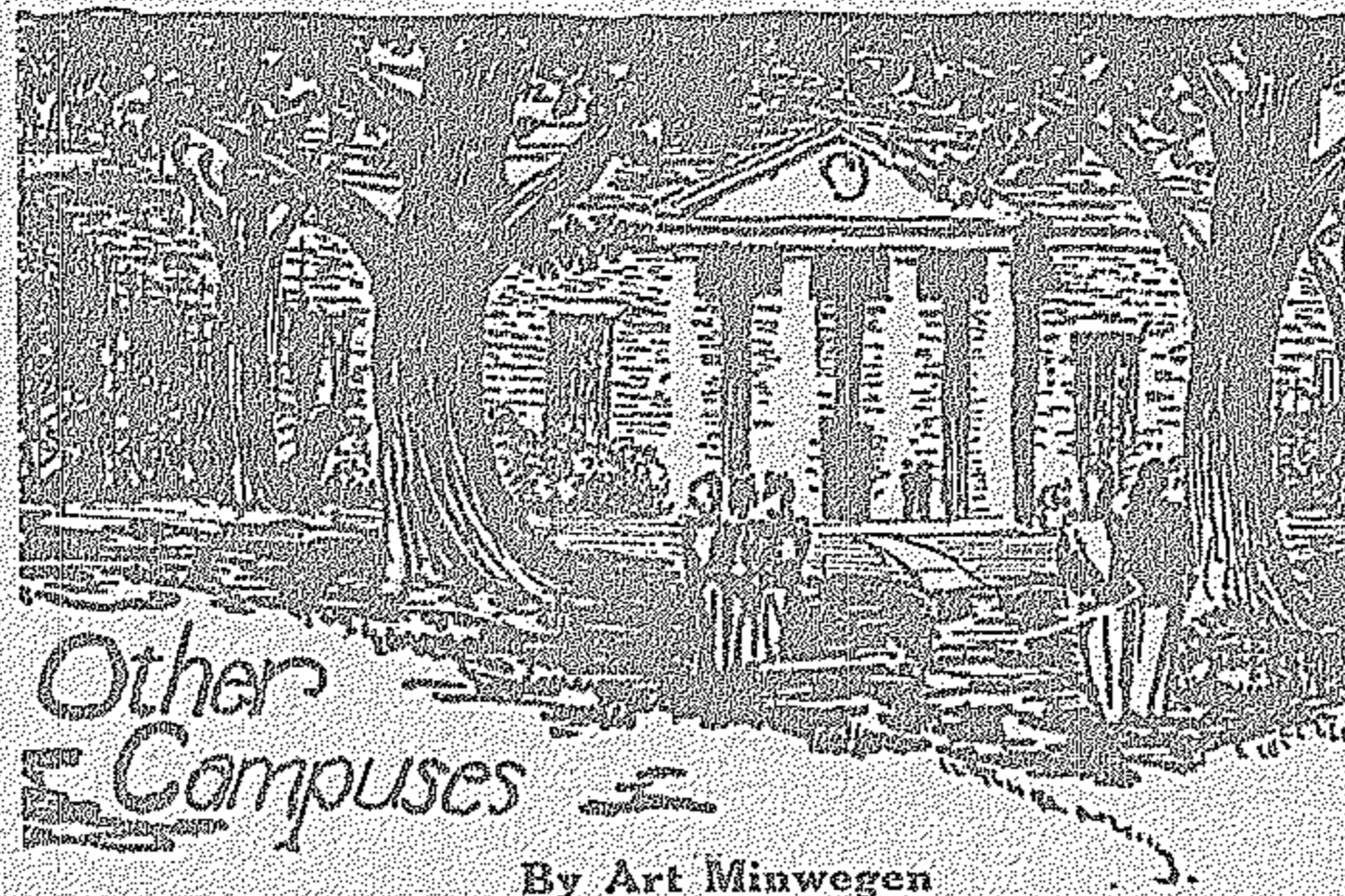
Delta Tau Delta pledged Donald Knaak last week and Alpha Sigma Phi pledged Robert Kerney and William Hulse. Rho Delta Rho pledged Ray Cutler and Sigma Alpha Mu pledged Harold Shapiro and Sumner Golden-thal.

The election of officers at the Delt house means that the following officers will be installed tonight.

- Keith Hoffman President
- Don Knief Vice President
- Howard Meyer Recording Secretary
- Jerry Willis Corresponding Secretary
- Bill Suthers Sergeant at Arms

The Phi Kappa Sigma Mothers Club had a famous Mexican speaker as a guest at their parents' party on Friday, Feb. 9. He spoke on Native Ware and Art and accompanied his talk with movies.

The basketball tournament is already under way. The boys from Alpha Sigma Phi beat the Pi Kappa Phi team by a score of 48 to 16. All of the Pi Kap points were made in the first half, after which the mighty Hussander got hot. Triangle took a hotly contested game from the Delts by a score of 17 to 14. Fouls were the order of that game with one man being ousted. The Rho Delt had an easy time beating Sigma Alpha Mu 54 to 11. Kolom and Lachman led the scoring for the Rho Delt boys.



Princeton University was the first school to abolish rules requiring attendance at classes and Armour will be the last.

Morningside College, Student Union menu: creamed chicken, hot biscuits, coffee, and dessert. ONLY 10c.

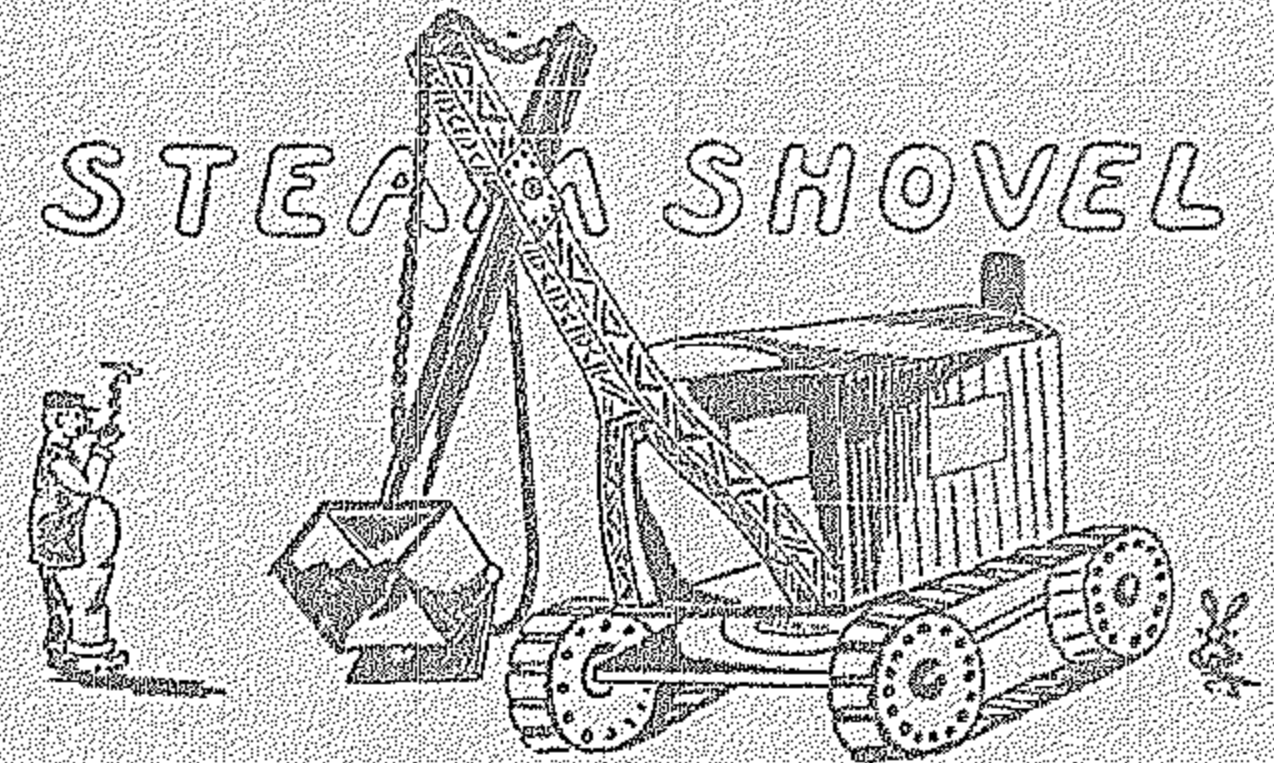
Thirty-two years of keeping college students as board-ers should entitle Mrs. S. E. Pratt, Kansas Teachers College, to some recognition.

Would you believe it? A Canadian college student has transferred to the University of Georgia because she wanted to learn more about the country in "Gone With the Wind."

The University of Oklahoma has rules which prohibit the playing of swing music on the campus. It looks like their trying to swing swing.

The University Daily Kansan announced that their Sour Owl would expose what is termed as "sensational facts" concerning the life of University women in a series entitled "Confessions of a Co-ed." "Sensational" is probably the right word.

YESTERYEAR



Well, now that the new staff has been duly inducted into office, and the old staff duly deducted from office, bless their little hearts, we can now settle back into the old line again. Art Hansen left a big hole in the Feature Department that will take a lot of filling. Here's hoping for fair weather ahead, so that it won't be quite so big.

And listen, kiddies, now that you are no longer with us... better behave. We issue a week's warning. After that, ye old groundhog will take the hindmost. Watch-word.... Remember Kotal!

If any one hears RAY LEIBRANDT talking about "Renaissance" please be assured that he is not dwelling in the past. It took him four attempts to convince PROFESSOR CLEVELAND in class the other day that what he was really spitting about was "resonance."

WILSON "BID 'EM AND LEAVE 'EM" PLOWMAN really had the kibitzers up in the lounge reeling with his original system of contract bidding.

The highlight of the Press Banquet occurred after the entire assemblage had set themselves up in the usual "strained" pose for a group picture. Perching himself precariously on a flimsy side table and dramatically shouting "here it goes fellows", Don "Krudak" Crego snapped the shutter on his camera to the tune of utter darkness from his flash-bulb. Disjuicesting wasn't it.

We would enjoy shaking the hand of the freshman who managed to get all A's and B's and a D in study technique.

One of the cleverest innovations we've seen at banquets was the use of lead type "in the raw" for the place cards at the TECH NEWS Banquet last Friday. In order to find their places the fellows had to read all the names backwards.

Fred De Money didn't get over it for quite a while anyway you take it, and walked off wearing Bud Murray's hat, a style entirely different from his own. Bud saw him wearing it and, thinking he was being ribbed, said nothing in reprisal. "Dazy" DeMoney wasn't kidding, however.

Wonder who the wench was that poisoned ROBERT KOHN, senior mechanical against the "fare" sev. Not one party has been graced by his presence since he started school.

Hear Ye! Hear Ye! The A. T. S. A. failed to get up a quorum at their last meeting.

Lawrence Rademacher hates Lawrence Rademacher. Just ask him about his slide rule accuracy.

MEL "CUPY" JOHNSON celebrated his 21st year last Valentines' Day.

Button, Button, who's got the button. That's what PROFESSOR WHITE wanted to know last Friday, when in all seriousness he searched for some time for the button to turn off the ventilating fans in Science Hall before he realized it was just the wind.

MEMORIES THAT LINGER ON... the clatter of tossing coins during LINGEROR Goetz's true and false final economics examination... Professor Spencer mistaking the steam issuing from a radiator in the back of the gym during a math final for smoke from a fire, and consequently clattering up the back of the school with fire engines.

LET'S PRANCE AT THE SOPHOMORE DANCE.

Arx News

Saddest news of the year is the leaving of our ranks by Ossie our news item standby.... He's an Illinois rookie now... no, Woehrl it doesn't start with a "b".... Lacking etchings, Mandel has taken to showing the gals the model city... Be careful, Ernie, we also see where Francis is back... or is your motto never again?

Brenda... oops... rather Helaine came down daily during the N. U. vacation to keep an eye on that supporter of the "fantastic art"... Where's your frat pin, Salz... oh! that's right, it's pinned on the suit at home, or is it?... Egad! Did you know that Christensen walks home from the A.I. to Armour every night, cold or warm... what a man!... Who could be so tender as to send to all words of love as sweet as wine... no one but Reinke our "Comic Valentine"... they did hit the nail on the head, didn't they Bede?

A fine state of affairs, reading about our Co-ed's in the Steam Shovel... Get in line, smile, don't look at the camera... as if it would break... that's it... and there we have the A.A.S. picture... Was that visitor with the hair on his face a "Man from Mars"?... no, he was a graduate Arx... Hmm... crazy lot aren't we?

This Lake Forest will stand investigating... imagine building a bonfire on the frozen wastes of lake Michigan... chasing up to nowhere on a Wed. nite... there's more to it, perhaps, than Coyle will tell... Stienweg cutting up oranges on people's boards... messy fun, isn't it?... The junior room adjacent to "witches gulch" is known as "the Land of Oz" wherein paper cornstalks spring from the radiators and paper ladders go up to the roof... where coats hang from the rafters... where the surrounding "fairy-land" is disturbed by these screwy drafters.

Speas.

Wrestlers Grapple to 12-12 Tie; Golden Glovers Forget to Duck

Grapplers Travel To Invitational Meets

BELOIT ON MARCH 24

Wrestlers from DeKalb Teacher's College visited Armour on Wednesday, February 14 and went home with no gain as a result of a 12-12 tie in the grappling meet with Armour. The lead wavered from one school to the other as the matches were won first by the Teachers and then by the Techawks.

Featuring an evening of see-saw wrestling was the heavyweight tussle in which John Balsewick was finally pinned by Pinter of DeKalb with a time advantage of 1:45. First one grappler and then the other was about to be pinned but neither could gain the advantage.

Captain Hanna Scores Win

Winners for Armour were Fred Till over Shames in the 121 pound division 2:58; Captain George Hanna (145 pounds) over Taxmon 2:12; Biagio Nigrelli over Hayden (155 pounds) in 1:56 and Constantine Kazmierowicz over Masely (165 pounds) in 4:21. Other fights were Chamberlain (DeK) over Wasilenko (A) (128 pounds) 2:03; Cook (DeK) over Harrison (A) (135 pounds)—2:18 and Davenport (DeK) over Wolniak (A) (175 pounds)—3:50.

The wrestlers will go to the Wheaton Invitational on March 2 and the Bradley Invitational on March 16. After Bradley, a trip will be made to Beloit to wrestle there, on March 24.

Quintet Wins Over Elmhurst By 53-49 Tally

A rolling stone gathers no moss, and a winning team suffers no loss. That's the situation the Armour cagers are facing as they prepare for their final game of the year against North Central. The game is tentatively set for tomorrow evening at the 132nd Armory and will serve as a curtain raiser for the Chicago Bruin professional game.

After suffering eleven consecutive defeats this year thus stretching their losing streak to sixteen, the Techawks won a one point victory from Williams and then traveled to Elmhurst last Tuesday to make it two straight with a 53-49 triumph over the home team.

Scherer, Norkus Lead Again

Once again it was the scoring twins, Capt. Scherer and Norkus who led the team to victory. Bill scored seventeen points while Lloyd came thru with sixteen. In scoring his points Scherer made seven out of seven free throws, whereas Norkus made four out of six.

A rolling stone gathers no moss, seven free throws, whereas Norkus Although the Techawks won, they had several anxious moments as Schoettle of Elmhurst started throwing baskets with hook shots from anywhere on the floor. His demonstration was by far the best seen by the Armour team this year. Despite his large total, he was very closely and capably guarded by Herb Sher.

Techawks Lead at Half

Armour went into the lead in the first half mainly thru the efforts of Norkus who made nine of the twenty-three points tallied by the Techawks. Jones came thru with the most spectacular basket of the year when he attempted a half-floor length pass to Norkus and sent the ball right through the hoop.

The Techawks led 12 to 4 when Rasche and Schoettle went to work and cut down the lead to 12-9, and from here on, it was neck and neck with the Federalists leading 23-20 at half time.

Until the last few minutes, the Institutemen held a seven point margin throughout the half, but this diminished to two points with three seconds to go when Norkus to Scherer made it four and a final score of 53-49 resulted.

ELMHURST (49)		ARMOUR (53)	
Schoettle	6 4	Scherer	5 7
Eloch	2 1	Norkus	5 4
Van Voorst	1 0	Lagodny	2 0
Hallowell	5 2	Jones	1 0
Stevenson	1 2	Shiva	2 2
McGovney	1 0	Betely	0 1
Rasche	4 0	Sher	3 3
Schlenzer	0 0	Fahey	0 0

Crash, Bang; Hockey at AIT

Bumping, bucking and blasting their way thru but still falling short for lack of experience, Armour's, or should we say Davey's, frosh hockey team lost a thriller to the University of Chicago last Wednesday night on the U. of C. ring, 5-4. A previous game resulted in a 3-1 victory for the footballless Midwayites.

Chicago went in a lead in the middle of the first period when Zrecker, flanked by Moore and Ferguson, raided the Techawk goalie. In a scramble about 20 feet out, Moore blasted the puck thru a maze of players and past Jones for the initial counter.

Chicago Checks Rushes

Ryan, McKechnie, and Watson were unable to penetrate the Chicago defense due mostly to the close checking of the Chicago forwards. With about four minutes to go, Dean of the Maroons forced Jones to his knees on a shot from the side and Cornwall netted the rebound before Jones could get back on his feet. Immediately following McKechnie got loose on a solo rush and drove the puck home with room to spare as the Maroon goalie was out of position due to Mac's fine faking.

In the second period, Crawford of Armour and Brecher of the Stagmen matched tallies. During this period Jones, Techawk goalie saved one goal after another as the Maroons tried to lengthen the gap.

Maroons Finally Get Casey

In the final period, Watson scored twice with McKechnie drawing assists to give Armour a 4-3 lead, but Chicago could be denied no longer and poured shot after shot at Jones until two went thru to insure a 5-4 victory for the Maroons.

Armour's next game will be with Illinois as soon as arrangements can be made.

ARMOUR (4)	Goal	CHICAGO (5)
Jones	Defense	Fleuder
Metcalf	Defense	Hershel
Crawford	Center	Elliott
Ryan	Wing	Solomon
Watson	Wing	Brecher
McKechnie	Wing	Stawood

TECH SHORTS

By Fred De Money

After the swimming meet with Chicago Teachers' we rode home on the "L" with Frank Havlicek, big gun of the Teachers' team and former Tech student; and we started to discuss the possibilities of a Chicago District conference. Schools such as Armour, George Williams, Loyola, Chicago Teachers, and Milwaukee State Teachers would compose the conference. Although it was primarily thought of as a conference for swimming, other sports such as basketball, baseball, track, etc., could be worked in. And then perhaps DePaul and the U. of Chicago would join. We think it's a good idea, and we won't be surprised if something comes out of this talk.

In the middle of last semester, a petition for funds for a hockey team was brought before the ATSA board. For several very good reasons, the request was denied by the board. Now it appears that Armour definitely has a hockey team. And they really play hockey. In the first Chicago game, the Technies body-checked so violently that for the first two periods there was always at least one Maroon sprawled on the ice. With just a small amount of practise in playing together and working out a defense, the 33rd St. sextet should whip the "shorts" off the next opponent.

Last Friday afternoon Hyde Park high school played host to "Sonny" Weissman and his group of wrestlers. About 400 lads, interested in the sport and coached by E. Hasan of Hyde Park, got a good lesson as "Sonny" put the grapplers through the paces and showed various holds.

Rumor has it that a track meet was held with North Central last Saturday. Without looking at the results, we hasten to put in this wanted: WANTED—One (or two) track teams. Every position open. No references required. See Ralph Erisman at once.

DePauw Sinks Mermen by 52-32; Armour Beats Teachers College

Relay Teams Lose For Only Time But At Loyola

The Teachers meet had a humorous twist to it, for, contrary to the usual proceedings in their swimming meets, the Techawks dropped both relays but picked up a first and third in diving. Powers finally snatched a blue ribbon for his actions on the board, and Koons, diving for the first time, had to be satisfied with a third.

Both relays lost, an event that has not occurred since the Loyola meet. The first event was the 160 yard free style relay. The Normalites picked up a good size lead which could not be overcome by the anchor man Pearson. In the medley Havlicek, a boy who does 1:08 for the 100 yard breast, swam the breast stroke leg in that event and put Chicago into a lead that could not be recovered by Anderson.

Summary

Armour 34, Chicago Teachers 32
40 YARD FREE STYLE—Won by Pearson (A); Rothstein (C), second; Anderson (A), third. Time—1:19.2.
100 YARD BREAST STROKE—Won by Koon (A); Svagdis (A), second; Becker (C), third. Time—1:14.6.
200 YARD FREE STYLE—Won by Havlicek (C); Dodge (A), second; Hawrysh (A), third. Time—2:35.5.
100 YARD BACK STROKE—Won by Mueller (C); Blume (A), second; Huzhold (A), third. Time—1:14.6.
100 YARD FREE STYLE RELAY—Won by Pearson (A); Stearns (C), second; Powers (A), third. Time—:56.4.
DIVING—Won by Powers (A); Lindskog (C), second; Koon (A), third.
120 YARD MEDLEY RELAY—Won by Chicago Teachers (Mueller, Havlicek, and Rothstein); Armour, second. Time—1:08.8.
160 YARD FREE STYLE RELAY—Won by Chicago Teachers (Havlicek, Scott, Mueller, and Rothstein); Armour, second. Time—1:21.2.

Former Armour Lad Stars for Teachers

PEARSON SCORES VICTORIES

With the chips on the table, the Techawks again came through with a last minute win, this time over a stubborn Chicago Teachers team. Led by a former Armourite, Frank Havlicek, the Teachers mermen proved to be a tougher nut to crack than had been expected. The meet was held at the Normalite's pool, with the final score reading 34-32.

As a "practise" session for the Normal meet, the McGillivrayles tanksters skidded down to Greencastle, Indiana, the week-end of the 8, 9 and 10 of February for the annual skirmish with DePauw University. Armour's hosts presented a vastly improved team in comparison with last year's squad, especially in the back and breast stroke departments. With such a well balanced team, the Hoosiers ducked the Federalists by a 52-32 count.

For the acme of excitement, it remained for the last event, the 400 yard relay to put a proper finale to the hotly contested meet. The winning quartet of Rademacher, Blume, Anderson, and Pearson put on a spectacle that will not soon be forgotten.

With DePauw leading by about half a length, Pearson, who had previously won Armour's only firsts in the 60 and 100 yard free style, plunged in and thrashed through the waves. With one more length to go, the former Lane Tech lad had almost caught up to Stulken, swimming anchor for DePauw. And it the finish, it was Pearson by a stroke. The unofficial time for the 100 yards for Pearson was 55 seconds, with the pool record standing at :56.1.

Although the distances were a little longer than the local mermen usually swim, they put up a good fight. When DePauw swims at Bartlett pool in the Interscholastic distances, the Techawks hope to tell a different story.



HERE'S ROY CONACHER (No. 9), HIGH-SCORING FORWARD OF THE BOSTON BRUINS, WORLD CHAMPIONS of '39...

IN THIS ACTION SHOT he's come in like a bullet from an express rifle... he takes a pass. But the opposition's defense stops him—this time.

AGAIN a furious flash of speed... a split-second of stick magic... and the puck shoots home for the goal that wins the match.

His hockey's fast and hot!

BUT HE SMOKES A SLOW-BURNING CIGARETTE FOR MORE MILDNESS, COOLNESS, AND FLAVOR

"SPEED'S fine in hockey but not in cigarettes"—Roy, Show right you are! Research men may use fancier language—but they say exactly the same thing about cigarettes. Scientists know that nothing destroys a cigarette's delicate elements of fragrance and flavor so mercilessly as—*excess heat*. And cigarettes that burn fast also burn *hot*. Your own taste tells you that. Slow-burning cigarettes *don't* burn away these precious natural elements of flavor and fragrance. They're milder, mellow, and—naturally—cooler! And the *slowest-burning* cigarette of the 16 largest-selling brands tested was *Camel*! They burned 25% slower than the average of the 15 other of the largest-selling brands tested. (See panel below, right.) So... why not enjoy Camel's extra mildness, coolness, fragrance, and flavor?... And extra smoking equal to 5 extra smokes per pack.



When it's easy-chair time after that rough-and-tumble mêlée known as a hockey match, you'll find Roy Conacher of the Bruins enjoying a milder, cooler, more fragrant, and flavorful cigarette... Camels, of course.

FOR MILDNESS, COOLNESS, AND FLAVOR—

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SLOW-BURNING COSTLIER TOBACCOS

In recent laboratory tests, CAMELS burned 25% slower than the average of the 15 other of the largest-selling brands tested—slower than any of them. That means, on the average, a smoking *plus* equal to

5 EXTRA SMOKES PER PACK!

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Armour 'Eye' To Initiate Season With Contest

Armour's camera fiends are planning an exciting and eventful program for the new semester according to Peter Stanley, president of the Armour Eye. In the past few years the camera club has been steadily growing, with the acquisition of new space, the construction of studio and dark rooms, and the gradual addition of new equipment.

The members have strived to make themselves known throughout Chicago as a ranking photographic organization. Many have won awards for their work in various contests. Last year the student A.S.M.E. photo contest was won by an Armour Eye member who was in competition with students from ten middle west colleges.

Starting off the new semester, a salon and contest is to be held Friday evening Feb. 23rd at 7:30. This event is open to all Armour students, day school and co-op. The prints must be entered at the club by noon of the same day and must be mounted on 16"x20" salon cardboard mounts. An interesting program featuring an illustrated talk is promised.

The Armour Eye takes pleasure in announcing Professor W. W. Colvert as its new faculty advisor succeeding Prof. C. E. Hammett who is on leave from the Institute. Club treasurer of 1938, George Raymond, who has been away on a year's vacation, was re-elected to his office last week. At the same time, Bob Zelin achieved the office of Vice President of the club.

Chem Speaker Gives Methods Talk on Glass

Following its policy of obtaining men of outstanding ability both in industry and lecturing, the A.I.Ch.E. presented, last Wednesday afternoon, Mr. M. T. Thompson, Sales Manager of Industrial Equipment for the Corning Glass company. Mr. Thompson gave his talk on the use, development and manufacture of industrial glass equipment. His discussion gave an insight into the deeper workings and little known uses of glass and glass equipment in industry. In conjunction with his talk, Mr. Thompson presented three sound reel movies, some of which were in color. These pictures were a graphic portrayal of portions of the succeeding talk.

Reels Shown

The first reel depicted the manufacture of Pyrex glass. The elements of this type of glass were shown and explained and the actual process of manufacture was displayed from charging to the final tapping of the furnace.

The second reel illustrated the uses and methods of blowing this type of glass. This was more relevant to topics familiar to those in attendance since most of the students were chemists and all of them have had use for this type of equipment.

The third reel was more in the field of experimentation. The investigation of stresses and strains in glass equipment was shown by the use of a polariscope. This is one of the advantages of using and designing glass equipment. It is possible through experimentation of this sort to design glass equipment of greater strength and with a more pictorial knowledge of the possible effects of stress or strain on the equipment.

After the reels Mr. Thompson gave a talk which covered recent developments and advancements in the field. The new glass piping and the details of its installation and fitting along with its particular advantages was one of the subjects discussed. The speaker explained the method of fostering of glass parts or "windows" to such portions as "bombs" or evaporators by means of spraying metal on the glass parts and then welding or soldering the piece to its adjoining metal part. The newly developed method of manufacturing precision machined glass parts to replace metal parts in some equipment and machinery was also discussed. Mr. Thompson concluded his talk with an open discussion during which he answered questions of his listeners.

S.P.E.E. Group Holds Meeting of Instructors

Last Saturday, February 17, a committee of the S.P.E.E. held their regular meeting within the Armour portals. This executive committee of the Engineering Drawing Division is composed of famous men in their field, among them Professor Thomas E. French of Ohio State University, the author of our Freshman Drawing textbook. The purpose of this meeting was to discuss engineering drawing instruction.

At two o'clock a round table discussion was conducted in the lounge. R. N. Bryan of the International Harvester Company and H. D. Campbell of J. Sterling Morton High School led the discussion. Following this discussion the meeting adjourned and many of those present attended a dinner held for them at the Chicago Engineer's Club.

Automatic Factory Studied at S.A.M. Meeting Feb. 16th

At the meeting of the Society for the Advancement of Management, last Friday, movies followed by a vigorous discussion, was the program. The film presented was one of a pictorial trip through the semi-automatic plant of A. O. Smith Company. In this factory body frames are completely molded, formed and holes are drilled mechanically. At only two points are laborers needed. There the only functions they perform are to feed strips to the machinery for forming and to place the cross bars in the approximately correct place. After leaving this assembly line, the group of parts are run through a "nailing" machine which aligns the parts and then pneumatically forces rivets into the holes. In the next group of machines the aggregate is then completely riveted.

Supplements Movie

Following the presentation of the movie, Prof. B. E. Goetz opened the discussion by pointing out that viewed over a long period of time it is frequently not advisable to have an automatic plant because of the lack of flexibility in such a setup. Whenever it becomes necessary to alter the product, it is also necessary to rebuild the machinery. This machinery is needed not only to perform the new operations, but also to adapt the remaining machinery to prevent interference with the altered portions of the product. Whenever, new and improved ways of accomplishing an object are found, it means virtually rebuilding the entire plant, rerouting and retiming the old machinery. Consequently, an automatic factory is feasible, only where the volume of the business is such that the initial and installation costs of the equipment can be paid for before the product, its design, or the process become obsolete.

NEWS BANQUET—

(Continued from page one)

have been stepped up to re-write men. In the Business Department, Richard Harper will serve as Advertising Manager, and Melvin Johnson will have charge of circulation. Art Minwegen is the Assistant Feature Editor.

After an exceptionally delicious dinner, Tom Hunter, acting as Master of Ceremonies, began the business of the evening by announcing the new appointments. As the new Managing Board was made public, each was asked to come forward to the head table at which sat the old board, and Professor Hendricks, Professor Goetz, and Professor Finnegan, special guests. Peter Woods was then formally presented with the many keys to the news office and the men were congratulated. As the names of the remainder of the new staff were read, each rose briefly in acknowledgement. Following this, a report on the financial status of the ARMOUR TECH NEWS was delivered by Frank Slavin, outgoing Business Manager.

Topping off the dinner, Professor Hendricks addressed the men in his well-known informal, friendly manner, regaling them frequently into bursts of laughter with drolleries seasoned by his long experience with the *Armour Tech News*.

Faculty Club Chooses Kelly For President

Armour's own Student Union was the site of a bit of merriment by the faculty of the Institute last Jan. 27, the occasion being the annual Faculty Banquet and election of officers of the Faculty club.

Social gatherings of the faculty are quite few during the course of the year, but this situation is not easy to remedy due to many obvious reasons such as home duties, night classes and so on. But when our worthy superiors do lay aside the enrollment book and homework sheets, they do a elegant job socially. Evidence of this was quite apparent at the last meeting of the faculty club last Jan. 27.

The events of the evening began with a banquet in the cafe of the Student Union, the food was made more digestible by the music of Don Charlton and his boys. Following the dinner, a five minute talk was given by Dean Tebbals, who praised the fine work done in the past years by Prof. R. P. Perry, in purchasing and distributing tobacco for the faculty. As a personal token of his esteem for this fine work, Dean Tebbals presented Prof. Perry with two fine pipes. Prof. Moreton then amused the men with pictures of his last trip South, after which bridge and friendly discussion were the topics.

The officers of the faculty club elected at the meeting were W. E. Kelly, president; R. H. Manley, first vice president; A. S. Hansen, second vice president; S. F. Bibb, secretary; and A. W. Sear, treasurer.

COOP BANQUET—

(Continued from page one)

will have occasion to long remember his speech.

Following Mr. Leverone's address, Mr. Harold Vagtborg, Director of the Research Foundation, presented motion pictures of the Snow Cruiser. These films covered several stages of the machine's construction, the shake-down trip from Chicago to Boston, and scenes enroute to the Panama Canal. This was the first public showing of the complete film history of the cruiser.

Thus ended the program of the most significant and successful Co-op function ever held. Informal discussion of mutual problems between employers and Co-ops ensued.

Arrangements for the banquet were made by Dave Whittingham, Bob Koucourek, Leo Hemphill, Eugene Colombe, Frank Heidenreich, and Dr. Carl Anderson, Co-op sponsor. Prof. Lease, Dr. Tibbals, and Mr. Allison generously gave of their time and services.

Physics Profs Talk to A.P.S.

A paper, Infra-Red Absorption Spectrum of Methylphenyl-Acetylene, by Forrest F. Cleveland and M. J. Murray, was presented at the meeting of the American Physical Society, one of the affiliated organizations of the American Association for the Advancement of Science, in Columbus, Ohio, a few weeks ago. Infra-red absorption spectra are obtained by passing the infra-red (heat) rays from an electrically heated filament through the substance, then through a prism, to the junction of a thermopile which is connected to a sensitive galvanometer. Absorption of a certain wave length is indicated by a sudden decrease in the galvanometer deflection. A tabulation of the wave lengths at which such absorption occurs gives the so-called infra-red absorption spectrum of the substance. Since no two different molecules have identical absorption spectra (just as no two different persons have the same fingerprints), the method may be roughly described as "fingerprinting" molecules.

Molecules may also be "fingerprinted" by use of Raman spectra. The Raman spectrum of a substance is obtained by passing light of a definite wave length (color) through the substance and examining the light scattered at right angles to the incident beam by means of a spectrograph.

CO-OP NEWS

By H. F. Krantz

Participation in extra curricular activities by the co-ops is no longer an abandoned hope. Each year more and more co-ops realize the necessity of such activities, with the result that the number of co-ops in various organizations is steadily increasing. From these students, leaders in several activities have been chosen. The co-captain of the swimming team, president of the Dance Club, and Co-op club are examples.

Conclusive proof that Mike Larinoff, 5A, is not what he appears to be, has finally been established—black on white. To the unobserving student, Mike is a studious, liberal-minded man with a persuasive personality. But no longer can he bluff the boys. His downfall was the grave mistake of submitting his handwriting for analysis at the recent boat show. The result was made public: In the opinion of experts (and they should know) Mike is a Playboy.

"Minute Man" Kruse! No, not because he is one of those born every minute, but because he k.o.'d his first Golden Gloves opponent in one minute of the first round. In his second bout, however, he and misfortune were in

the ring and the coach was out for supper. The result: Kruse (a senior) couldn't wiggle in against a left handed fighter and lost the bout on a decision.

Boxers aren't the only men who knock 'em down. The 4A bowlers are following suit and spending all their spare time (and some school time) in the bowling alleys. Fischer mowed 'em down when he set a new high of 16 points for the first five frames. His gutter ball is perfect.

Once again the sophs are the first co-ops to organize a basketball team. Eight men are ready and anxious to meet the first opponent. Barnabee, the manager, and McMacken, Croak, Piepenbrink, Johnson, McCleneghan, Jobul, and Kolon, make up the team.

Cibera, 4A, has the jitters. Every time a tensile test bar snaps in the mech lab, Cibera leaves the floor as though the load on the bar were suddenly applied vertically to him.

Forces acting in a common direction are plentiful in the mechanics section of soph Physics. And why shouldn't they be, with the co-eds next door?

Judging from the rush for front seats when the sophs cycle pictures were taken, the class would do well on any man's gridiron.

For comical comments concerning the quite comical aquatic congregation at Chicago Teachers college contest, as told by a comical commentator, call on co-captain Hutchings, 5A.

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