



MUSICAL CLUBS TO HOLD ANNUAL CONCERT DEC. 17

Mothers Extended Invitation to Attend

The Armour Tech Musical Clubs will offer their annual Christmas concert Thursday morning at 10:30 in the assembly hall. Special invitation is extended to mothers of Armour students since it is one of the few affairs mothers can attend.

Both musical clubs are holding special rehearsals in preparation for the event. Printed programs will be furnished to those attending.

Many new numbers will be used by both of the Musical Clubs. The glee club's selections will probably consist of the following numbers which seem very popular:

"Wake Soul of Mine," "Song of the Jolly Roger," "Ezekiel Got a Wheel," and "Drink to Me Only with Thine Eyes."

With the broadcast given by the glee club last Friday, the combined clubs are ready for a busy season. Today the clubs are offering a concert at a luncheon meeting of the Rotary Club at the Sherman Hotel. Boake Carter, well known news commentator, is guest speaker.

On December 18 a concert will be given at the Evanston Country Club, after which the members of both musical clubs and their lady friends will indulge in ballroom dancing.

A successful season is forecast by Gordon Erickson, director of the orchestra and glee club, with several set dates for the coming year.

New Maintenance Course Offered

Armour Institute of Technology is undertaking a series of management engineering conferences for selected executives to supplement its regular educational and research program.

For the current year, the conferences will be devoted to the subjects of Plant Engineering and Maintenance, and will consist of informal dinner meetings which will be held weekly at the Hotel LaSalle for fifteen consecutive weeks, beginning Friday, January 15, and ending April 30, 1937. Each conference will be led by a distinguished speaker who is especially qualified to deal with the subject discussed.

The series is under the supervision of Mr. Henry P. Dutton, Professor of Industrial Management, himself a distinguished industrial engineer. When such conferences are led by men, who through training and responsible experience, are masters in their fields, the definite educational objectives are increased in value.

Dinner meetings are planned in order to acquaint the members of the conference with each other. Such meetings can also be turned into round table discussions after the speaker has made a general presentation of his subject. In these instances—
(Continued on page three)

Players To Tryout For Comedy Tonight

Tryouts for the next production of the Armour Players, a modern one-act comedy to be given near the end of the semester, will be held today at five o'clock in the assembly hall.

Members of the Armour players, J. M. Kubert, F. Hanneman, and F. M. MacConnell compose the play-selection committee.

The Players' Guild is made up of students who have given outstanding service in the production of plays at Armour.

A constitution committee composed of R. Lischer and W. Emmerich is forming a constitution for the Guild, which was begun last year. The decoration of their room is rapidly nearing completion, and will be ready after the Christmas holidays. The furniture is ultra-modern of a blue and yellow color scheme. Indirect lighting will emphasize to the best effect the copper-colored drapes and modern decorating.

Elect Three Officers at Honor A Meeting

With their first meeting of the semester last Tuesday, Dec. 8, members of Honor A, honorary athletic society, began a new era of activity for the promotion of athletic interests at Armour. An election of officers for the year was the first step for reorganization. Joseph F. Bartusek, president, Eugene E. Kreml, vice-president, and Edward F. Wagner, secretary-treasurer, were the men selected.

Following the examples of most major schools, a decision was made that all Honor A members be admitted without charge at any future time to all Armour athletic contests when student passes are acceptable. A letter recommending this move was written to the A.T.S.A. If approved, this privilege may be obtained by all former Honor A members upon application.

Plans are now being made by Irving Seidenberg for a theater and dinner party early next semester as the first social function of the society.

A.I.Ch.E. Groups to Meet Jointly

Speakers, Dinner to Feature Tomorrow's Meeting

After months of preparation and anticipation, the third annual joint meeting of the Armour student chapter and the Chicago section of the A.I.Ch.E. is on the eve of taking place. Tomorrow night at 6:00 p. m. about one hundred members of A.I.Ch.E., sixty of whom will be from the Chicago section, will meet in the Faculty Club where the reception takes place.

Prominent Men to Be Present

Many prominent men in chemical circles will be present. Among these will be Dr. Egloff, Director of Research of Universal Oil Products; Mr. R. B. Harper, Vice President and Director of Research of the Peoples Gas, Light, and Coke Co.; Dr. Adler, Director of Research of the Victor Chemical Co.; Dr. Murphy, Chemical Engineer of Universal Products; and W. B. Behr, Secretary and Director of Research of the North Shore Coke and Chemical Co.

Students to Present Talks

An extensive program covering the entire range of activity of the senior and junior chemicals has been arranged by the program committee consisting of L. F. Kacel, R. A. Clarke, A. J. Allegretti, J. A. Haase, N. K. Anderson, W. R. Marshall, J. Kubik, and E. Wagner.

The program starts with a presentation—
(Continued on page six)

Tau Beta Pi to Hold Initiation Thursday

Tau Beta Pi, national honorary engineering fraternity, will hold its initiation Thursday evening in the faculty club rooms. Pledges are H. J. Bodnar, D. N. Brissman, A. Goldsmith, J. A. Haase, M. S. Herz, R. A. Kliphardt, R. G. Liebmann, P. L. G. Moore, J. J. Penn, P. R. Schultz, J. C. Stern and S. Taradash.

The pledge captain, W. A. Chapin, has had the pledges working on the alumni files and writing a paper on engineering education at Armour.

The initiation will be followed by a dinner, and then the group will attend a movie at one of the downtown theaters.

Final payments on the sophomore jackets and coats must be in by Wednesday, tomorrow morning, to B. C. Anderson or E. C. Mitchell. The order may be delivered by this Friday, but costs will not be distributed to those not fully paid up. The final and complete price of the jacket is \$6.50, and of the campus coat, \$9.40.

There will be a very important meeting of all Dad's Night ticket salesmen Tuesday at 10:30 in Science Hall.

INTEREST DRAWN TO ENGINEERING BUSINESS COURSE

Industrial Engineering in the form of a complete course has been discussed for several years as a possible addition to the Armour curriculum. At present, considerable attention is being focused on these places, and an Industrial Engineering course may be a reality within the next year.

Several Possibilities

There are two ways in which such a program of study could be introduced. It could take the form of a four year option as the mechanical, chemical, and other engineering options are at present, or as a second possibility, a fifth year option, following a four year course in one of the engineering options now given and leading to a graduate degree in Industrial Engineering, could be given.

Involves Little Change

If adopted as a four year course, such a plan would involve no great changes. All the theoretical subjects would be required, only the distinctly applied subjects being left out. In their place, courses in business management would be given. Mr. Goetz, social science professor, has suggested that such courses as personnel control, production management, and sales management would be typical of those offered.

Result of Suggestions

Various Armour students have suggested from time to time that a course which would prepare them for the business side of engineering would be advisable. A checkup of Armour graduates reveals that a surprisingly small percentage of the alumni are actually engaged in engineering work at the end of a 10 or 15 year period following graduation, the majority engaged after that period being in the management end of business.

No definite plans have been formulated, but increased student interest and further investigation will do much toward bringing such a proposition to a head.

'News' Scribe Interviews T. Poulter, Finds Jovial, Scientific Personality

By A. N. Schrieber

Robust, jovial, and scientific, Dr. Thomas C. Poulter, one of the newest personalities on Armour's campus, is already making a wide and popular acquaintanceship. Recently appointed head of the new Armour Research Foundation, he has undertaken the organization and development of a project that is duplicated in only two schools in the United States. Such work requires ingenuity, originality, and sincerity—and these qualifications are exemplified in Dr. Poulter.

Head of Scientific Staff

As an explorer, teacher, athlete, scientist, and naval officer, Mr. Poulter has had versatile and unusual experiences. Outstanding was his connection with the Second Antarctic Byrd Expedition in 1934. He was second in command under Admiral Byrd and was chief of the scientific staff. Under his direction the twenty branches of scientific investigation and research at the Antarctic were organized. His own research as a physicist was mainly in the field of meteorology, and he is responsible for much new data on Antarctic meteors and auroral phenomena. Dr. Poulter has compiled the complete scientific records of the expedition which will be published shortly. It will require from five to ten volumes to contain all the material.

Rescue By Tractor

Many thrilling and exciting events occurred to Dr. Poulter at the Antarctic. He and two other explorers rescued Admiral Byrd when the latter became ill at an advanced base, 160 miles from Little America. It was necessary to go by tractor in the Antarctic night to execute the rescue and after many hazards and risks in which the trail was lost and

February 12 Is Date for Formal

Members of the junior social committee are still deliberating on the selection of a beautiful spot for the Junior Formal, which is scheduled to be held February 12. According to S. E. Healy, social chairman of the committee, a choice of the Grand Ballroom of the Hotel LaSalle, which has just recently been redecorated, the Red Laquer Room in the Palmer House, or the Boulevard Room in the Stevens, will probably be made. However, the site for the formal dinner dance will be selected within a week.

Plain formal bids will be placed on sale upon the return from the Christmas holidays; a fancy program has also been selected by the committee.

No definite plans regarding the orchestra have been announced by the committee, but consideration is being given to the following orchestras, one of which will, no doubt, be selected: Keith Beecher's, Charlie Gaylord's, and Carl Schreiber's, orchestras, each of which is an eleven piece band.

The bid for this dinner dance is priced at five dollars and may be obtained from any of the men on the committee, namely: S. E. Healy, G. L. Stober, C. W. Modersohn, I. Thomas, M. Schuman, S. M. Osri, E. Hanson, and C. W. Dunbar.

Freshmen to Select Class Leaders Today

From the number of nominations presented for freshmen offices, it appears that a close election will ensue today. The petition form of nomination was chosen at a previous meeting, but these forms were not checked by last Friday for duplicate names by the election committee, so the names of the nominees were not submitted for publication. The offices to be filled are: president, vice president, secretary, treasurer, social chairman, and A.T.S.A. representative.

The election will be held between the hours of 9:30 to 10:30, and from 11:30 to 2:30. The results will be announced tomorrow on the bulletin board.

FIRST ANNUAL DAD'S NIGHT ON SATURDAY TO COMBINE BANQUET AND BASKETBALL

University of Chicago Quintet Will Play Techawks

TO AVENGE DEFEAT

The annual classic between the Techawk five and the University of Chicago Maroons will take place on Saturday, December 19 in the U. of C. fieldhouse. A record crowd is expected for the game which promises to be as close and exciting a contest as in past years.

In their first two starts this season, the Maroons won one and lost one game. Wheaton, in the opening game, fell victim to Chicago by a score of 27-24, largely through the efforts of Eggemeyer, sophomore star. The Maroons then traveled to Marquette, where the locals rallied in the last half to win by a 25-21 score. Coach Nels Norgren has announced the probable starting lineup for the Armour-Chicago tilt. This list includes Eggemeyer, Fitzgerald, Cassels, Mullins, Amundsen, Rossen, and Durbin.

On the Armour side, Coach Grant Stenger will probably start the same five which defeated Arkansas last week. Led by Capt. Heike, the team will probably consist of Merz at center, Wagner and Janicek at guard, and O'Brien and Heike in the forward positions, all of whom have done admirable work in the first three games.

(Continued on page three)

Co-ops Smoker Held at Lawson Y.M.C.A.

The cooperative students held their first get-together since the formation of the cooperative classes with a smoker at the Lawson Y.M.C.A. last Friday. At the present there are two cooperative groups. Up until the smoker had been held, the two groups had never met each other, as one group left school when the other one returned.

Plans were discussed to bring about a greater union between the two classes and also between the cooperative students and other department students. Several different types of student government were suggested and discussed. Due to their unusual position of having two distinct groups which had never met each other, a type of student government could not be adopted by them.

Dr. Poulter's Antarctic moving pictures drew considerable interest. All of the faculty members of the mechanical department were introduced. Dean Heald praised the group on its progress since the inauguration of the co-operative course last year.

Math Club Will Hear Oldenburger Lecture

Dr. Rufus Oldenburger, assistant professor of mathematics at Armour, will deliver a non-technical talk next Friday at 10:30 in Science Hall on last summer's meeting of the International Mathematical Congress in Oslo, Norway. The lecture will be illustrated with pictures of the royal palace and grounds, to which the mathematicians were invited by King Haakon, the building of the University of Oslo and engineering institutes in Berlin, Zurich, Stockholm, and Copenhagen, which show styles of modern architecture not found in the United States, and interiors of buildings.

Dr. Oldenburger will give talks on this conference next year before the Men's Mathematics Club, at the University of Chicago, and before the Women's Mathematical Club. The International Mathematical Congress convenes every four years, meeting the next time in the United States. Student speakers for math club meetings are being sought by the president, Mark Dannis, and he is requesting that anyone interested see him.

Hutchinson's Commons to Be Scene of Banquet

C. W. DUNBAR IS. M. C.

Combining a home-coming, reunion, handshake, and a thrilling basketball game all in one evening, Armour Tech will stage its first annual Dad's Night next Saturday, December 19. Dad's Night leaders feel quite fortunate in having obtained Hutchinson Commons, located at 57th Street and University Avenue, as an ideal banquet site for this affair. Easily accessible by car, "L", or street car, it is also within easy walking distance of the basketball gym, two blocks at the most. A long, high-vaulted room capable of seating some 500 guests, built in the Gothic architecture so characteristic of the University of Chicago buildings, makes the Commons unique as a dining room.

At 6:15 p. m. a complete eight-course dinner will be served, followed by an entertaining program. An innovation in affairs of this type is that the long-winded and sometimes boring after-dinner speeches will be completely excluded. Following the introduction of this season's basketball squad by Coach Grant N. Stenger, who is making his debut this season as a Tech coach, Harold E. Little will render a few selections on the piano. Dean Henry T. Heald and Professor Philip C. Huntly will then deliver a few words to the gathering, after their introduction by C. W. Dunbar, vice-president of the A. T. S. A., who will serve as master of ceremonies.

Tech Cagers to Seek Revenge
At 8:30, the group will adjourn to the University of Chicago fieldhouse to view the annual Techawk-Maroon basketball game. A rapid action, ex-

(Continued on page five)

Six Initiated to Chi Epsilon at Banquet

Six pledges of Chi Epsilon, honorary civil engineering fraternity, were initiated last Friday night. Following the initiation ceremonies which were held in the fraternity rooms, the group adjourned to the Faculty Grill where a banquet was held. Initiated before a large group of actives, alumni and faculty members of the fraternity were: M. S. Herz, M. F. Jaedtko, S. Taradash and J. G. Smid, seniors; and F. A. Palonis and W. F. Schlax, juniors.

Climaxing the banquet were short talks by faculty members Dean Heald, Professors Huntly, Penn, Spears, Stevens, and Wells. Acting as master of ceremonies for the evening, L. E. Zwissler, president of Chi Epsilon, introduced the speakers.

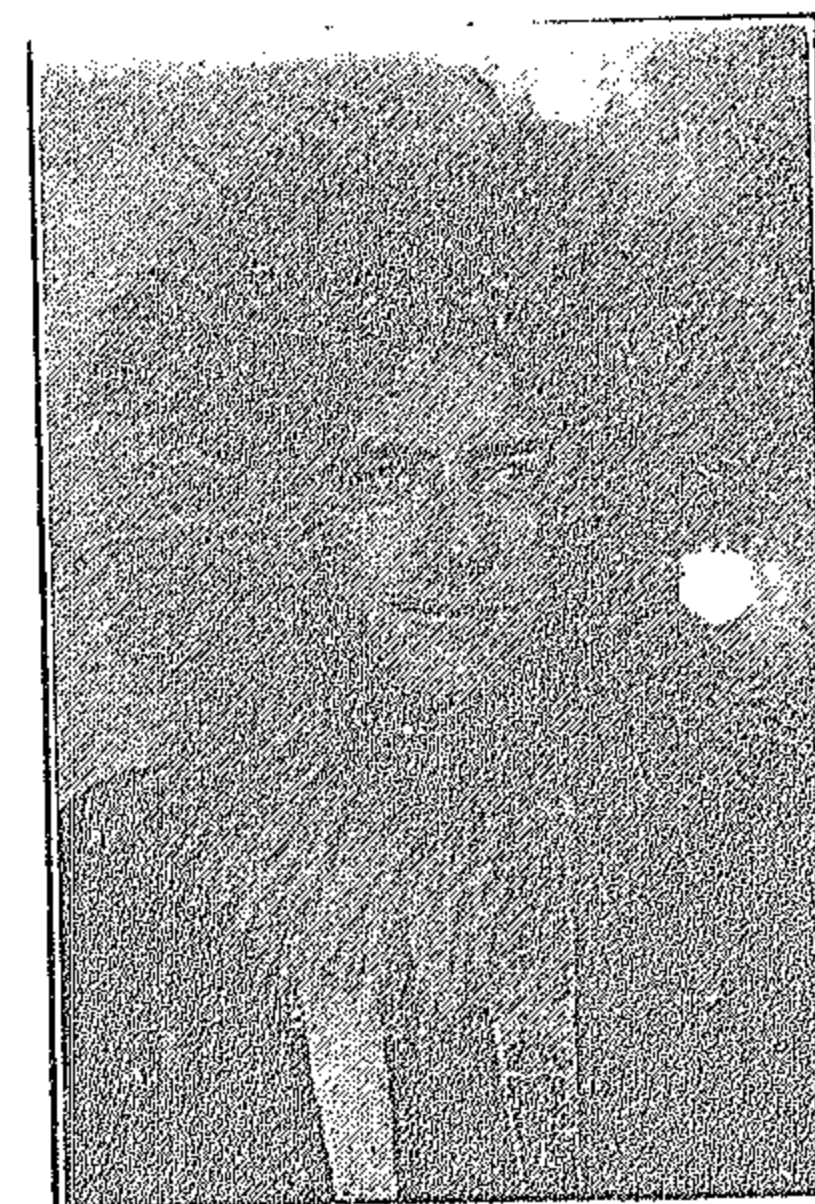
Culminating the evening, the active chapter, most of the alumni, and Professor Penn adjourned to the Selwyn Theater and saw "Leaning on Letty" starring Charlotte Greenwood, lanky comedienne.

Journalists Pledged Into Sphinx Honorary

Sphinx, honorary literary fraternity, pledged ten men last Tuesday in the Tau Beta Pi rooms. Membership in this fraternity is awarded in recognition of service on the school publications.

The men pledged are: E. H. Brink, assistant-editor of the *Cycle*; D. N. Brissman, student editor of the *Engineer*; R. Harwood, circulation manager of the *Engineer*; F. D. Hoffert, assistant copy reader of the *News*; F. L. Leason, Jr., editor of the *News*; P. M. Martin, editor of the *Cycle*, and F. X. Popper, student comptroller of the *Engineer*.

A literary examination and a test on journalistic practice was given to the pledges last week in the Theta Xi rooms.



the tractor broke down, Admiral Byrd was found in a very serious condition. It took almost two months to return to the main camp, after the rescue.

Dr. Poulter does not suggest a university research scientist. His height of 6 feet three inches and weight of 225 pounds rather suggests a football player (which he was at college) or a piano mover. In the latter connection he was seen carrying in heavy equipment for his laboratory when the delivery men found the work too difficult. In spite of his outstanding physique he is little known as yet by many of the students, probably because of his quiet reserve. He says very little except when he has something worthwhile to say, although he enjoys telling a story. He never laughs, but his jovial chuckles and smiling grey eyes indicate an internal good humor that is manifest in all of his actions. As an admirable executive, Dr. Poulter inspires his co-workers with his own enthusiasm—
(Continued on page five)

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Vol. XVIII. DECEMBER 15, 1936 No. 12

The staff of the Armour Tech News sincerely wishes 'Happy Holidays' to the Faculty and Students of Armour Institute of Technology.

Dad's Night

Far be it from us to reiterate the attractions offered to students and their dads at the first, what is hoped to be annual, dad's night. The dinner and program have been carefully prepared and the basketball game, judging from past results, will be full of action and excitement. In the past three years the Armour-Chicago game has been fast enough to tire even the spectators; and resulted in two wins and one loss for Armour.

To date, tickets have not been going at a rate appropriate for such an event and for a school like ours. Armour always has had a good reputation as an engineering college, but apparently very little known by the Chicago newspapers. The joining of the little nineteen conference will offer a big opportunity for Armour to break into print through its athletic teams. Likewise, a successful dads night program offers an opportunity for valuable publicity as a school having an enthusiastic student body. Who knows! Perhaps a few years interspersed with successful teams and events will place Armour next to Notre Dame, Southern California and Northwestern in the daily newspapers.

The point is that the time is not yet too late for you students to purchase your dad's night tickets from any of the list of representatives published on the first page. By so doing you will not only be helping to make Dad's Night better but will be helping yourself in your own parental relationship.

A Broader Outlook

As the student engineer begins to appreciate the necessity of a more liberal education, the faculty of Armour prepares to meet the demands forwarded them for training along non-engineering lines. Perhaps the most striking advancements are in the department of social science. Realizing the importance of knowledge in engineering accounting and industrial management, student requests were received by the department of social science for electives in those subjects. The department of social science, also fully aware of the ultimate importance of a working knowledge in these subjects, has agreed to offer them for the coming semester. This gives an excellent opportunity for every student to acquaint himself with such knowledge.

Business training is not the only non-engineering subject offered to the students. Under the guidance of the department of English, a course in contemporary problems is being offered to the seniors. As business training tends to fit men

for the business world, so does this course tend to fit men for life. This course attempts to clarify those problems which are the concern of every young man on the threshold of life.

Many liberal minded men of Armour appreciate the fact that men schooled solely along engineering lines cannot greatly advance but there are those who do not. We might possibly afford some impetus to those. One cannot sit on the doorstep of life for a great length of time and then be in proper condition to enter boldly into it but rather he must live it. Those who think that all in engineering is a drafting board and a textbook, ought to change their ideas before they are doomed to a textbook and a drafting board for life. Engineers who earlier learned the value of business training now rank high in their profession. On the other hand, engineers who did not, are in many cases the justifiable example of the popular conception of the "engineer." We therefore urge all those who have it within their power to take advantage of broadening courses offered in the college curriculum to do so as quickly as possible for "success is not measured in dollars and cents, but intelligence in specialization."

To Write on These Walls

"A man's ambition must be small . . ." can't possibly be an accurate statement, judging from the epigram "Fifty Million Frenchmen Can't Be Wrong," for there seem to be that many a name on the walls: ergo, these men think it is a laudable ambition. Psychologists say it's the primitive cave-man instinct—the desire to magnify one's personality—but cavemen carved in stone. We think the A.T.S.A. should gratify and encourage such worthy progress as sculpturing and "poetry"—therefore, we suggest an appropriation for mallets and chisels, to be used in carving names and "poetry" instead of merely using pencil. Then there is the question of suitable carving material. Most of the stone is rather poor in quality—perhaps some beautiful white marble can be installed.

If so many men are artistically inclined, shouldn't they be at the Art Institute? Perhaps so, but we fear that the wrong marble would be chiseled—not that it would make any appreciable difference. Quite casually (and very innocently, of course) we mention to whoever is interested that once in Armour's history, freshmen were not permitted to use the main stairway or these beautiful (once) marble halls.

LETTER BOX

Dear Editor:

Why not keep a good thing? In the "Kaleidoscope" you have a column ranking with the "Slipstick" and the "Steam Shovel" in interest and originality. Instead of allotting it at least a few lines each issue, you permit it to appear only when space is unfillable.

While it may appear a bit eccentric and radical to some students, the "Kaleidoscope" is enjoyed by the majority. Since your policy should be to cater to the tastes of the majority, wouldn't it be advisable to run this column as a regular feature?

B. R. Sternfeld.

Dear Editor,

We have noticed with much interest the comment that appeared in your publication, the *Armour Tech News* of Sept. 29, about unionism for engineers.

The Federation of Architects, Engineers, Chemists and Technicians is a union of engineers who have organized with a view to bettering the economic interests of technical men wherever possible. Professional ability and education we also foster in many ways, of which space does not permit detail here. Since we are all engineers of education and experience, we are much more formidable to any employer who is taking unfair advantage of his men than any group of ragged racketeers at the head of a union of manual laborers. We have no need of violence, nor do we have any internal graft. Engineer-members are too intelligent to favor these things, and their democratically run organization sees to it that neither is allowed.

The professional societies have been in existence for years yet they have not attacked the basic problem of all of our professional endeavor: to raise wages. Whereas we have only been organized for three years in the Chicago Area, and have succeeded in writing many of the laws perpetrated on engineers.

Only last week we succeeded in helping 110 technical draftsmen (fifteen are Armour Graduates) to get themselves together and straighten out a most appalling condition. Every one in the profession who knew about this particular employer agreed that the wage rates and working conditions were the most unsatisfactory in Chicago. It was all done in a gentlemanly manner with no harsh words spoken or violence or time lost because the men were 100% together and were presenting perfectly reasonable demands and were doing it with an intelligent grasp on the fact of employer-employee relationships.

One can definitely say that today experienced technical men realize that when any two men have anything in common they had better get together.

Sincerely,

Floyd Maddox,
 Secretary, Chicago Chapter Federation of Architects, Engineers, Chemists, and Technicians.

The Slipstick

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

Christmas spirit prevails over Armour. To fall in line with human beings and to radiate "Peace on earth, good will to men" we, Eejay and Zazu, today write a Christmas joint column.

Christmas poems as written by the world's outstanding poets, both classical and contemporary.

A la Gertie Stein

Xmas, Xmas is near, near, near, yes, near!
 The children, children, kids all fear,
 It because, because, because, ditto
 They fear, they fear, fear that there is no Santa Claus, Claus, Claus, same.

A la Carl Sandburg

Winter, coldness, hunger
 Grips the big town
 Children—in the slums, the ghetto;
 Starving, freezing—mawed by the icy killer
 For them—there is no Santa Claus.

A la Shakespeare

Alas, poor Santa, I knew him,
 Horatio:
 A fellow of infinite jest, of most excellent fancy:
 He had borne me gifts on his back a thousand times,
 Well, for two years anyhow.
 But—he won't this year
 He picked Minnesota to win.

A la Eejay

It is almost Xmas, nearly
 The time of the year that comes yearly.
 I like to watch the kiddies all cried
 When I tell them that Santa died.

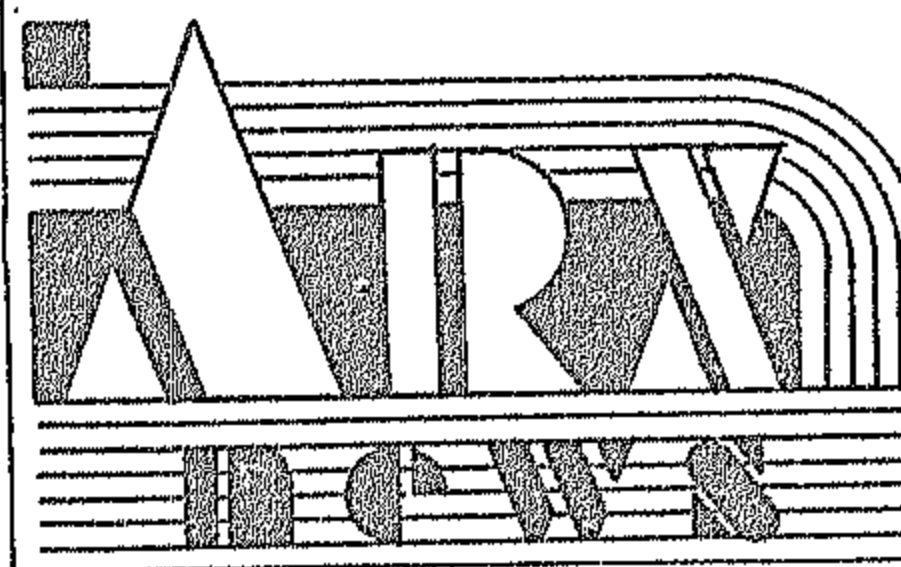
A la be praised, Zazu

Jingle bells, jingle bells
 Jingle og'r the land
 How I wish that Santa Claus
 Would bring me Sally Rand.

TO THE EDITORS

You cut our lines, you cut our poems.
 Our name is mud in Armour hoes.
 We hope your Christmas ties are bad,
 And there is no exchange to be had.
 We wish you measles, mumps, and pox;
 We wish you holes in your Christmas sox.
 Merry Christmas!

From both of us, to all of you,
 a very Merry Christmas and a Happy New Year. 'N don't forget to write up all your reports over the holidays.
 Eejay and Zazu
 Zazu and Eejay



Art Gum is unable to contribute this week and has very generously let a guest writer assume the responsibility for what appears in this column. And of course all the news in the world pops up at this particular time. The initiation is well over, the freshmen are once more sitting down to work, and the upperclassmen have forgotten the freshmen till the next charette when "niggering" will be in order.

The annual banquet given by and for the Arx was a huge success. All the new and old members of the faculty were there, and good, short, constructive speeches were appreciated by all. Mr. Voegessang, who designed the colour scheme of the '34 Fair, was the principal speaker. He emphasized the importance of architectural study in our own city and especially at Armour.

We are inclined to think he is right, for the famous twins, "Art" and "Chick" Scriber, class of '36, just won 1000 dollars in a nationwide contest for small home designs conducted by the Harmischfeger Corp. The check is on exhibit, framed in a glass case. Think that little sum over and we ask you if the study of Architecture pays.

The freshmen had a freehand judgment last week and there were nine mentions. Five of the boys, BURNHAM, CEROVSKI, ROBERT-

Fraternity Notes

PHI KAPPA SIGMA

At the regular meeting on Monday, December 7, the following officers were elected and installed in office:

President—Louis Lange, Jr.
 Vice President—Harry E. Stehman.

Treasurer—Howard G. Downing.
 Corresponding Sec.—Henry C. Anderson.

Recording Secretary — John C. Lindahl.
 Social Chairman—Edward H. Erickson.

The semi-annual Sunday dinner for the members of the house and their girl friends, held last Sunday at the house, was enjoyed by all present.

The Alumni Smoker on December 3 was an opportunity for many alumni to revive old friendships.

The chapter was honored by a visit from Joe Evins of our chapter at Vanderbilt University, last Tuesday. Joe is at present connected with the Federal Government in an Executive capacity.

The Phi Kap Basketeers are in fine fettle and are waiting for the opening game of the coming tourney.

RHO DELTA RHO

Final arrangements are now being prepared for the Christmas party to be held at the house on Saturday evening, December 26. Bob Levy and Mel Schuman are busy with their aides in making the arrangements which will include dancing and merry-making, along with a buffet supper.

The pool tournament is now approaching completion. Lenny Shabsin and Frank Miller are fighting it out in the final round to determine the winner.

DELTA TAU DELTA

Well! Well! Here we are with a Christmas vacation just around the corner and a radio dance Friday to start us in the gaiety of the holiday spirit.

The ping' pong tournament conducted by pledges Parmenter and Winslow has reached its semi-finals with excitement at its height. The pledge class is well represented on the freshman basketball team by Don Sunde, John Fox, and Bill Scherer. The Deltas are honored by the pledging of Donald Brissman to the Sphinx honorary fraternity.

Parmenter and Winslow will assist Raymond Bacci in coaching the fraternity basketball team for the coming inter-fraternity play.

SON, SHAW AND VIREN crashed through for the second time. It looks like this class has possibilities. They certainly showed a great deal of promise in their sketches for a Peanut Stand for the Art Institute.

The juniors had cleaning day in the modeling room last Thursday. The clay dust was so thick that all the boys came out choking and gasping for breath, and as a consequence went home very early. At any rate the nice clean modeling room will now show tell-tale marks of any clay fights. And the popular opinion is that this is the very reason Mr. Hofmeister ordered a house-cleaning.

The seniors haven't stuck their noses out of their dens for weeks, but they are not hibernating. They are merely working on their park problem with their utmost energies. Moreover it seems there will be a dearth of niggers this Christmas holiday when their plate is due.

Jake seems to be the strongest sophomore or pretends to be. (Modest thing). He can do more tricks with a 25 lb. sash weight than a monkey on a stick.

WELL THERE SEEM TO BE A LOT OF JOKES ON HAND THAT SHOULD HAVE GONE INTO THIS COLUMN. BUT THEN THERE IS SO MUCH NEWS, SO I WILL LEAVE ALL THE FUNNY STUFF TO THE SECRETARY STOOGE WHO REGULARLY PENS THIS ARTICLE. HE OUGHT TO KNOW JOKES—HE IS ONE.

But if I don't see you again Art Gum I & II wish you a very happy holiday season.

So long till next year.

Art Gum II.

THETA XI

With only five or six weeks of only ten or twelve hours of steady work a day, plus social affairs in the evenings, left of this semester, time is passing rather rapidly. Last Saturday evening we had our Quarterly House Dance Party. During the dance intermissions two kinds of punch were served. The music was supplied by various leading orchestras by means of radios. Many of our alumni whom we do not see very often were attended to capacity, but everyone who came had a good time.

Thanks to Dick Young our Mothers' Club is rapidly being organized. The basketball team is still practicing in anticipation of victory. That's the old fight, boys!

The date for our Christmas House Party has been set by our social committee for the twenty-third of December. Tentative arrangements have been made to have a T. X. New Year's Party at the Stevens Hotel.

PI KAPPA PHI

Congratulations are in order for Brother William N. Setterberg who will marry Miss Elizabeth Marie Carlson of Grand Rapids, Michigan on January 1st, 1937. We join in wishing him much success and happiness.

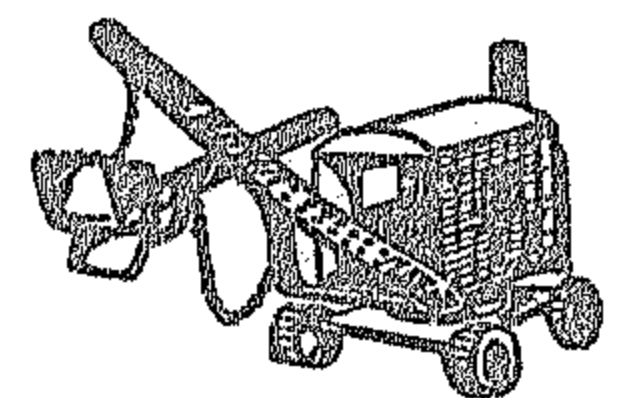
Nineteen of our alumni were present at the Founder's Day banquet which was held at the house last Thursday. The banquet was a success in every way.

The district convale held at the University of Illinois last week end was one of the most educational and entertaining functions ever held. The boys were very pleased and didn't mind being torn away from their studies one bit.

Fred (Astaire) Jost has had one dancing lesson and is now prepared to demonstrate the latest "swinging" steps at the slightest encouraging word. How did Freddie get the swollen check?

Brother Dodge is now prepared to go into hibernation for the winter, and he will keep warm with the aid of his new nightgown of varied hues. Just an old fashioned boy is our Ray.

THE STEAM SHOVEL



So! You thought it was a bluff? Or did you think we were bribed? Remember our promise to give you the name of the man in the life of Mona Salle, Boston Store beauty? He is Valdes Urelis, night school student. "I've always thought that he was of the strong, silent type," said Mona when interviewed. She graduated from Tuley three years ago. He works at Western Electric. She keeps a scrap-book. He is the easy-going type. She is a good cook. He wears green and blue ties. She makes him wear them. He met her at a frat-dance. She carries his picture. He buys her expensive presents. She has good taste in clothes. He has good taste in women. She loves swimming. He is a pretty boy. She said so.

Quoting the sign on Sammy Bibb's office door:

Office Hours
 Monday 2-4
 Tuesday 2-4
 Wednesday 2-4
 By Appointment Friday 2-4
 Getting high-hat on us, eh!

COULD IT HAVE BEEN A MERE IMPERSONAL MOTIVE THAT LED ADOLPH RUNE TO GO OVER TO THE LIBRARY AND LOOK UP THE WORD "LOVE," OR COULD IT BE ????????

Familiar sayings of the Armour brain-trust:—

Paul: "I'm sorry, fellows, but it's past the hour."
 Heald: "It's a good idea."
 Perry: "Who told you to read the book?"

Freud: "Where's your jackass, Gamson?"

Winston: "I may look little, brother, but it's all dynamite!"

Krathwohl: "Knowledge is power."
 Swineford: "P equals A S."
 Tibbals: "It's a question of fact, isn't it, gentlemen?"



By H. M. Ross

IN SOUTH America, this week, the entire Western World was busily and intently occupied with the building of a promise of international peace and friendship. In Geneva, preparations were being made for a meeting of the League of Nations, upon the outcome of which depended the very life of the League itself. In Spain, the bitter bloody struggle continued, becoming daily a greater engulfing force drawing all of Europe into the meshes of the God of War.

BUT THE EYES of the world were turned towards London, focused on the story-book romance of a king and his love for a commoner. For England, however, the question was more than just the romance of their King. It developed into an issue of democracy—must the King follow the "advice" of his cabinet or can he set that advice aside when he feels it is not in his best interests.

THE BRITISH Constitution is not a duly signed and sealed document such as ours. It is a compilation of British tradition and precedent of British rule in the past. In time some of these traditions were put into writing and have thus taken on some semblance of law. But many of the present fundamentals of government, including Mr. Baldwin's cabinet itself are merely traditions accepted as part of the governing system. Yet it was this loosely woven body of tradition and law with the symbol of the crown behind it that held together the largest empire in history.

THUS HISTORY again repeats itself. For the love of a woman a king loses his throne—a nation is disputed. With the abdication of King Edward the English people have temporarily lost a unity which they needed now as never before and the government of the British commonwealth has to wrestle with constitutional problems which they thought had been settled at least a hundred years ago.

EDWARD'S renunciation of the Crown of England for the hand of a woman he loves leaves his nation bewildered, for the present. A bewilderment from which they will quickly recover with the coronation of his successor and under pressure of present strained international relations. But what of his own life? Can he ever again find happiness as an outcast from the society which was his all his life?

AS MR. WINDSOR, the man who renounced the throne of England, he can no longer hope for the friendship of those who once flocked about him. An exile from the only home he has ever known he must find another home in a foreign land among a strange people. Always, the finger of curiosity shall seek and point him out. Can the woman for whom he has renounced his birthright make up to him for all he has forsaken?

Archs Wine and Dine at Informal Banquet

Armour's Arx again ate, drank, and made merry at the Harding Hotel on Friday, December 4, at an informal banquet, fostered by their massier, T. F. Cunningham, who acted as master of ceremonies. The banquet was preceded by the initiation of the freshmen into the Armour Architectural Society. As an initiation duty, the freshmen were required to design an A. I. peanut stand for use in the Art Institute. According to the critic, Richardson, a sophomore, the proud winner of the first prize was Mirotznie, who was thereby awarded an almost new, only slightly used, beer bottle cap. Second prize a bag of peanuts, was granted to an anonymous freshman. In all, 80 were present. All members of the Arx department and all faculty members except Louis Skidmore, were present. He was unable to attend since he is in New York, where he is head of the board of designs for the 1939 World's Fair, which is to be held in New York.

A distinguished visitor present was Shepard Vogelsang, who designed the interwork for the 1933 Fair and designed the color scheme for the 1934 Fair.

W. R. Wilson Talks on Engineering Problems

"Problems Confronting the Engineering Graduate," was the topic of the talk delivered by Mr. W. R. Wilson before the Armour student branch of the W. S. E. at the meeting last Friday. Mr. Wilson's lecture stressed the problems confronting the engineering graduate in fronting engineering. He illuminated his talk with examples and statistics drawn from his experience with the Atchison, Topeka, and Santa Fe Railroad with whom he is employed as assistant Bridge Engineer.

After lunch Mr. Wilson delivered an informal talk to the senior bridge design class on methods of design used in bridge offices.

Mr. Wilson who is a member of A.R.E.A. was a member of the Committee on Wood Bridges and Trestles in 1935 and is Chairman of the sub-committee dealing with "Recommended Relationship Between the Energy of Hammer and the Weight of Piles for Proper Driving." He was a delegate to the International Conference on Soil Mechanics and Foundation Engineering held at Harvard University last year.

J. P. Modos Previews Mech Inspection Trip

Mr. J. P. Modos, director of research and development of Crane Co., spoke before the A.S.M.E. last Friday, previewing the inspection trip to be held next Thursday, through the Chicago plant of the Crane Co., 4100 S. Kedzie. He spoke of the magnitude of the Crane products and the demand his company has for men in all branches of engineering. He showed how the research laboratories and the metallurgists were trying, with all possible speed, to develop stainless steels and various alloys which would stand up under the unusual conditions demanded (in some cases, supporting great loads under extremely high temperatures).

Shows Method of Pipe Design

Of special interest was the problem of common pipe design. Mr. Modos showed the difficulty in choosing the proper formulas to get the desired results. This was verified by showing the old and erroneous method of designing elliptical pipe, and how through the use of plastic models and polarized light, a formula was derived from experiment.

Armour Man at A.S.M.E. Meet

F. E. Moskovics, an Armour veteran and old time friend of Professor Roesch, represented the Armour student branch at the national A.S.M.E. Convention held at New York on December 2. He attended both the student conference and luncheon.

At a cooperative meeting of day students and graduate evening students, Mr. W. D. Bearce, statistician of the transportation department of General Electric Company, will give an illustrated lecture on "Diesel Electric Equipment."

This lecture will be presented Thursday at 6:30 p. m. in either the assembly hall or Science Hall. Students desiring to attend this lecture should notify Professor Roesch of their intention on or before December 17. At the present time General Electric is building much special equipment and first hand information will be available regarding these developments.

Talk About Relays Is Feature of A. I. E. E.

Last Friday morning, under the auspices of the A.I.E.E., Mr. C. P. Claire gave a talk on the subject of "Remote Control of Electrical Circuits by Relays."

Mr. Claire, an assistant to the laboratory chief engineer of the Automatic Electric Company, did not use purely technical material in his talk. While he did elaborate on the construction, cost, and types of electrical relays, his message to his audience was of a different nature. Mr. Claire's aim was to show that an electrical engineer's work was, in most cases, purely routine and painstaking work. He accomplished this by citing several of his own experiences in testing relays.

After a series of slides were shown, the meeting was closed with Mr. Claire answering questions relative to the talk.

'ENGINEER' NOW HAS CIRCULATION OF ABOUT 10,000

Circulation of the *Armour Engineer and Alumnus* is becoming more and more worldwide in its scope with each succeeding issue. In addition to the many foreign countries to which the magazine is sent, there were recently received subscriptions from the Soviet Government at Moscow and the Library of London. Over 9500 copies of the magazine made up the edition which was distributed to Armour students, alumni, professional engineers, industrial librarians, high schools, and colleges last Friday. This issue was the largest yet published and contained forty-four pages.

According to the editor, Professor Walter Hendricks, the magazine attempts to present general information that will interest both the undergraduate and the alumni. As yet, the student editor for the coming year has not been chosen, and it has been suggested that a managerial board be formed, each member of which would be editor for one issue.

Return post cards were sent to the alumni in the magazine to ascertain their correct residence and business addresses. This information, it is hoped, will be used as the basis of a 1937 *Armour Alumni Directory*. At present the *Armour Engineer and Alumnus* is sent to every alumnus whose correct mailing address is in the alumni file. Professor D. P. Moreton, business manager of the publication, has requested that the names and addresses of all Armour alumni not receiving the magazine be sent to him.

MAINTENANCE

(Continued from page one) formal discussions, it is expected that the members of the conferences will be able to exchange practical experiences and stimulate general discussion of phases of their particular subjects.

Growth of investments in plant machinery and equipment is constantly adding new importance to the work of the executives who are responsible for their division of management. No plant in the Chicago area will fail to benefit from having its maintenance executive participate, under skilled leadership, in the consideration of basic maintenance policies and the exchange of practical experiences which will come from membership in these conferences.

Some members of the faculty that are scheduled to speak are: Prof. H. P. Dutton, who will speak on the subject of "Present Tendencies and Points of View in Plant Engineering"; Prof. H. A. Vagborg, who will speak on "Maintenance of Buildings and Grounds"; and Prof. J. B. Finnegan, who will deal with the subject of "Protection, Insurance, Watch and Janitor Service."

George Nelson '35 to Compete for Award

George A. Nelson, C.E. '35, will present a paper at the junior meeting of the Western Society of Engineers, Thursday evening, in competition for the Charles Ellet Award. The subject of the paper is "Laboratory Experimentation for Mississippi River Flood Control."

The talk will deal with hydraulic model experimentation on the largest hydraulic model in the world covering the development of laboratory research to solve problems relating to rivers and harbors. Slides will illustrate the laboratory work in connection with the Starved Rock Lock and Dam and the model of the Mississippi valley from Helena, Arkansas, to the Gulf.

Insurance Adjuster Talks Before F.P.E.S.

"Adjustment of Fire Losses" formed the subject of an interesting talk presented by Mr. Frank L. Erion, a prominent insurance adjuster, at the F.P.E.S. meeting last Friday.

Ingenuity comes into play when records of business are lost in a fire. Auditing companies, salesmen, and companies supplying materials to the insured are consulted. When records are lost in fires in general stores, difficulty is met in approximating the loss.

Chess Team Defeats Wright by 4-3 Score

Playing some of the most closely contested games in the team's history, the Armour Tech chess team defeated Wright Junior College by a score of 4 to 3 last Friday night. This was the first meet of the year, and it will be, probably, the only meet of this semester. Armour's team was composed of N. Gerber, A. Rune, E. Koehler, B. Wilhelm, E. Freireich, R. Erlsman, and R. Wagner. Rune, Freireich, Erlsman, and Wagner won their games.

For next semester the team has arranged a return match with Wright, and a match with the University of Chicago. It is also possible that five members of the team may go to Detroit early next year to compete in the Midwestern Collegiate chess tourney.

Book Store Displays Graduation Jewelry

Class jewelry for the graduating seniors is now on display in the bookstore. The jewelry consists of a matched key and ring combination, either or both of which may be purchased. The base key with an inset of onyx sells for \$5.50. The 10 carat gold ring is priced at \$12.80. Either a huby stone or spiral can be had for an additional \$1.25.

According to P. L. G. Moore, chairman of the committee, members for class jewelry can be left with himself and other committee members: R. A. Clarke, W. M. Gunther, E. M. Imbur, E. E. Modes, and C. A. Saletta. Should there be any seniors who dislike the present class jewelry or would like changes made, chairman Moore invites their criticisms and suggestions.

Salamander Initiates Four into Fraternity

Salamander, honorary fire protection engineering fraternity, initiated four men on Friday night, December 4, at the Swedish Club. The new members are W. M. Gunther, J. F. McCaulay, L. B. Parker, and E. J. Simek. The initiation, which combined the formal and informal rites, was preceded by a banquet, reminding the pledges of the pre-Thanksgiving custom of feeding turkeys well before using the axe.

Professors Finnegan and Robinson, honorary members of Salamander, Mr. Sorenson, instructor in fire protection, and Mr. Beckwith, assistant manager of the Western Actuarial Bureau and a charter member of Salamander, were present.

Eleven Initiated at Campus Club Smoker

Formal initiation of eleven men took place at a smoker held by the Campus Club last Friday evening.

The men who were initiated are: F. Hanneman, M.E.; M. E. Sojka, C.E.; W. J. Kurtz, E.E.; T. F. Quarnstrom, E. E.; C. L. Basile, C. E.; C. E. Sellen, Sec.; E. A. Chevalley, E. E.; J. Adducci, M. E.; R. R. Tulgren, C. E.; P. J. Poulos, M. E.; and J. J. Healy, F. P. E. In addition, there are seven men who were pledged and will be initiated next semester.

Professor Mangold and many alumni were present to aid the active members conduct the initiation ceremonies. Following this, refreshments were served, and cards, ping pong, and pool were played for the balance of the evening.

The Campus Club is an organization whose purpose is to provide a recreation spot near the school where members may go to relax. Any one is eligible and all students of Armour are invited to join.

U. OF C. GAME

(Continued from page one)

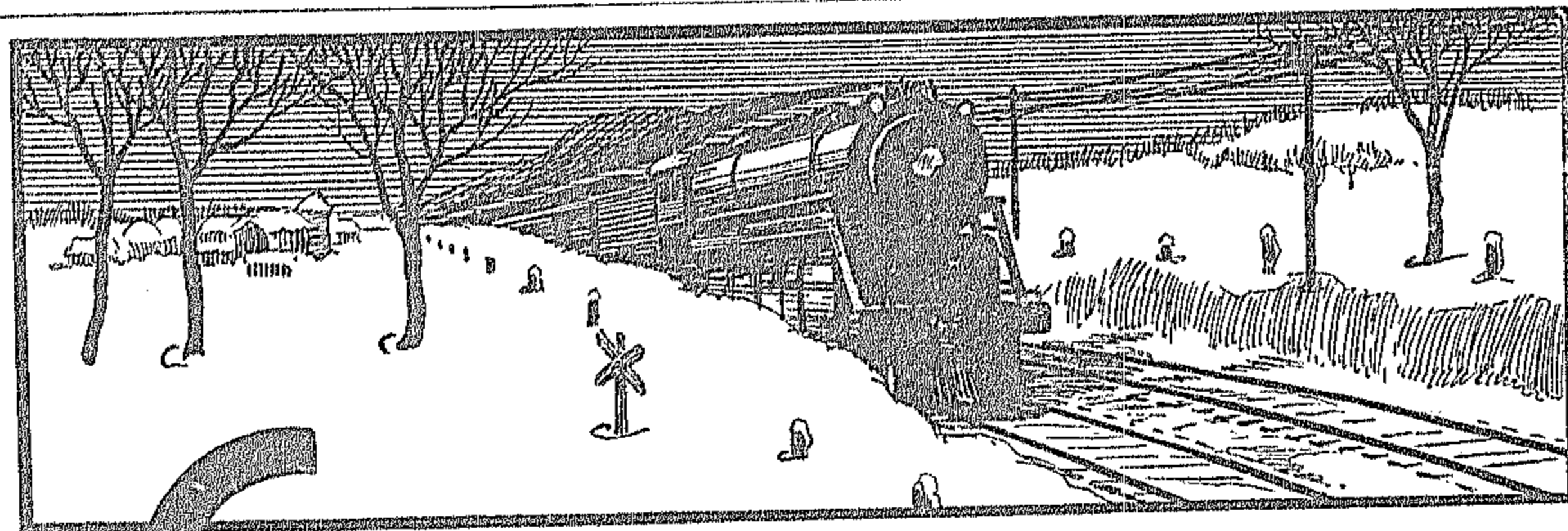
Last year Chicago defeated the Techawks in a rough-and-tumble battle in which a total of 45 free throws were awarded by the referee. The game was won by the Maroons in the last thirty seconds of play when LeFevre, sank his only score for the winning goal, downing Tech. 51-49. Coach Krafft attributed the defeat to the inability of the Techawks to score on free throws, having made only 13 out of the 21 awarded them. Chicago received 24 opportunities, 17 of which counted. The Maroon captain, Haarlow, was high point man, scoring 25 points, with Armour's Heike a close second with 17 points. Co-captains Warner and Dollemmaier at the guard positions were largely responsible in suppressing several Maroon scoring opportunities.

W. N. Setterberg Will Marry on January 1

William N. Setterberg, personnel director, assistant registrar, and instructor of building construction, recently announced his forthcoming marriage. He will wed Miss Elizabeth Marie Carlson, age 22, of Grand Rapids, Michigan on January 1, 1937. Mr. Setterberg, a resident of Chicago, better known as "Bill" to his friends, is 29 years old. He attended Armour after his graduation from Tilden Tech High School, and graduated from the architectural department in the class of 1929.

THE BOULEVARD CAFE

3100 S. Michigan Ave. Tel. Victory 9334
Invites You to Try Our Special
Half Milk Fed Chicks or Sirloin Steak
Fried in Butter with French Fried Potatoes
and Cole Slaw, Radishes, Scallions, 35c
bread and butter for only
After 8:00 P. M., Luncheon: 20c



CERTAINTY UNDER ALL CONDITIONS

WHEN WINTER COMES, with its added hazards to all forms of transportation, the trains stand out by reason of their exceptional dependability and safety. Railroad is based upon all-weather principles, sharpened by foresight. Railroads build track and equipment solidly. They provide ample power, warmth and comfort. They clear the way with snow plows, thaw out switches, inspect signals, keep in touch with trains by telephone and telegraph. Theirs is a devoted and resourceful personnel, accustomed to winning battles against the elements. While some regions of the Illinois Central System are more fortunate than others as regards the severity of winter, the same care for safety and pride in performance hold true throughout. Shovels for snow, sandbags for flood, freight and passenger cars as havens for storm refugees—all are parts of Illinois Central experience. Such a background leads to constant preparedness for the unexpected. That is why those seeking winter transportation consider it both smart and safe to patronize the railroad.

REMINDER . . .

Students going home for the holidays will find railway transportation admirably suited to their needs.

Low fares invite acquaintance with carriers that ought to be better known to young people today.

New patrons will observe many travel refinements, and they will learn how great an emphasis our railroads place upon dependability and safety.

W. N. Setterberg
President

ILLINOIS CENTRAL SYSTEM
AN ILLINOIS RAILROAD

Tech Cagers to Play Beloit Today

Goldmen Suffer Defeats by Ball State and Loyola

Contest Will Open at 4:00 P. M. Sharp

Armour cagers tangle with Beloit tonight for the fourth game of the season. The contest will be played at the 108th Engineers Armory at 34th and Wentworth. The Techawks hope to make this their third victory but Beloit's Goldmen will bring some serious opposition to the Tech hardwood. The Goldmen, like the Techawks, are playing their first season under a new coach. Coach Means of Beloit is fresh from many successful seasons of high school coaching. He has led eight championship teams. Beloit's record so far this season shows losses to Ball State and Loyola.

Four Lettermen on Beloit Team

Coach Means will bring four lettermen to Chicago. Milt Anderson, a veteran, will oppose Heike at guard and another veteran, Bob Fleming, will work opposite O'Brien. Anderson, the only senior on Beloit's squad, is especially valuable at rebound work and will make the Techhawk forwards work hard for any baskets. O'Brien's opponent, Fleming, is an all around athlete who won twelve letters in high school. He has had a year of varsity experience at Beloit. At center Merz, starting his fourth season of varsity competition, will be opposed by Jim Brown or Joe Tamulis. Brown is a lanky player who alternates at forward and was last year's high point man. Tamulis, although lacking varsity experience, was an all-state center in his high school days. Merz, however, has a two inch advantage in height over both men and his ability to score has been well demonstrated. Beloit's remaining letterman, Bud Klein, will hold down a position at forward. He will be assisted by either Christenson or Adams, two regulars on last year's freshman squad.

Game Should Be Fast

This array of talent will greet the Tech cheering section tonight, and a fast, tense game is promised. A re-organized and revitalized group of cheerleaders will be present to lead Armourites in a series of new cheers. Hank Appel, latest addition to the cheering squad, wants to whip the cheering section into shape for the Chicago game. Let's all get out and practice and help the squad take their third victory!

Trackmen Start Indoor Practice

In a meeting held last week under the direction of Coach Root, plans for the coming 1937 track season were delved into, and practice was set to begin immediately. The fieldhouse at the University of Chicago is open for the team's use at any time, but the hours suggested are from 4:30 to 6:00 p. m., so as to avoid conflict with the Chicago team.

Among the things discussed at the meeting was the enforcement of training rules. Each member of the squad must show up for practice at least twice a week, but three or more times if possible. The coach stated that if these rules were broken without a good reason, the member would have his uniform taken away.

Although the date of the first meet is not definite, it will occur some time in January. Five or six meets are to be scheduled in both the indoor and outdoor seasons.

Last Wednesday uniforms were given out to those who had not already received theirs. They were distributed in the usual way, with the returning lettermen getting first choice, then an order which was based on the year in school was used.



After the Dads' Night Special this Saturday, the Tech cagers will take a well deserved rest over the Christmas holidays. However, we hope the lads won't dissipate too much and will be back to their former mettle when school reopens. They're slated to meet Lake Forest again on January 5 and Beloit on January 7.

Both the track team and the basketball team are clamoring for assistant managers. They now have one apiece but need at least one more to assist with the work and provide competition for the coveted manager's position.

Trackmen and basketballers are also registering gripes which demand immediate attention. The cinder musers are suffering from a shortage of equipment. However, this can be easily remedied if those who were out for cross-country and do not plan to continue practice will return their dunnage.

The cagers' trouble is of a less serious nature, being only a shortage of towels. However, they threatened to strike. (!) What are we going to do about it.

While this news is somewhat belated, we want to mention that Irv. Seidenberg sustained a slight fracture of the hand while punching the big bag in the gym. But you should see the bag!

Last week this department got a notion, inspired by the cold weather, to hold an ice carnival during the Christmas vacation. The carnival was to include races, fancy skating, etc., and dates were to be included. However, with characteristic activity, nothing was done about it, and the idea remains in the nebulous state. What do you think about it?

The fencers are goin' great guns with their practice, but are sorry to announce that they won't be able to engage in interschool competition this season. The trouble seems to be that there are not enough experienced men out. Well, next year we'll see . . .

Interfraternity basketball, usually on the late fall sports schedule, may be postponed until the beginning of

Armour Matmen Win First Meet Against DeKalb

Techmen Take Five Bouts; Score, 17-11

Overpowering their DeKalb opponents in five out of eight matches, the Tech matmen emerged victorious in their first meet of the year by a score of 17-11. Kreml opened up in natural style and took the only pin for the Armour score. Larson of DeKalb, wrestling the first bout in his life, threw McIntyre in 57 seconds, for DeKalb's ace bout of the day.

McDaniel Wins Opener for Tech
In the 118 pound tussle, McDaniel took the offensive at the start and held a scissors on red-headed Walkup of DeKalb. While McDaniel worked to pull Walkup's shoulders to the mat, Walkup slipped out of the pin position at the last minute to lose by a 4:30 time advantage.

After two minutes of no action, Basile took the top in the first three minute period only to lose hold of Keegan in a few seconds. Keegan kept the advantage in this period to tie the score. Dunne, wrestling 135 pounds, had to go into the overtime with Rowe. He held his opponent for the full two minutes of the first period and managed to regain the advantage after Rowe's turn on top. In the overtime of the 145 pound class tussle Jaffee broke loose from Prentice after 15 seconds. In the second period Jaffee stayed on top 45 seconds, winning by the slim margin of 32.

Kreml Gets Pin in 2:09

Maxant used all his lankness and agility to throw Witters to the mat and ride him for two minutes. Witters broke loose and gained a little time, but lost the match by 1:45. Kreml, at 165, took Taylor to the mat quickly and gained a key lock on his

next semester. The constant use of the gym by the boxers and wrestlers, and by the freshman basketball team, has necessitated shoving up the date, and with final exams coming in, play-offs this semester are impossible.

Boxing tourney mentors are taking every precaution to make the contests safe and sane. Rounds are limited to two minutes and bouts will be stopped if a man seems to be taking too much punishment. Be sure to weigh in as soon as possible if you wish to be included in the schedule.

BOXERS TO HOLD OPEN TOURNAMENT; DETAILS ARE GIVEN

In accordance with the intramural sports program, the coach and manager of the boxing team are planning an open boxing tournament, in which all students of Armour except lettermen in boxing are allowed to participate. Other teams have obtained talent from outstanding performers in intramural sports, and it is the hope of "Sonny" Weissman to discover new material to bolster his squad. There is to be a medal awarded to the winner in each weight class. The tournament is to be watched very closely to prevent any possible injury, and also to prevent anyone from taking an unnecessary beating if the outcome of the bout is certain. The tournament is to start January eighth, so it is necessary that all entries weigh in as soon as possible in order that a schedule of bouts may be arranged. An invitation is also extended to all men to "work out" for the tournament any Monday, Wednesday, or Friday afternoon.

The team has planned a much stiffer schedule this year than ever before, with bouts at Herzl, Wright, Lawson Y. M. C. A., and Culver Military. The first meet at Herzl is scheduled for Thursday, December 17. The squad is also to be entered in the Golden Gloves Tournament, in which they made a very good showing last year.

arm. With Taylor in this helpless position, Kreml finished flooring him in 2:09.

Rocheback of De Kalb wasted little time in gaining an advantage over Tullgren, taking the top fight almost from the start of the match. Tullgren eventually managed to free himself, but Rocheback had already piled up a sufficient total of time to win with an advantage of four minutes. This bout gave De Kalb their second win of the meet. In the following match Larson, of the visiting team, added five more points to his team's score. The match was short, but not sweet, for McIntyre succumbed to his herculean opponent—and he was really big—after only fifty-seven seconds. This bout brought the score to its final standing at 17-11 for Armour.

DePaul Outplays Frosh In Opener

Armour Basketeers Bow to De Paul 44-16

In a fast opening game with tremendous competition, the Frosh basketball team fell, 44-16, subdued by a powerful and smooth freshman squad at DePaul University last Saturday night. The DePaul quintet averaged 180 pounds and over six feet tall in height. Altogether Armour took in only four baskets to DePaul's 20, but capitalized on the fouling of the latter to pot eight free throws.

Through the fast playing of Tollstam, Szukala, and Norris, DePaul set the Armour Frosh back with a 7-0 handicap at the start. Here Scherer and Gerwig brought the ball back into Armour territory, and passed it to Norkus who received a foul. This netted Armour's first point. Gerwig led the way a few minutes later and passed the ball in to Kubicka, who received another foul and sank two shots.

Again Armour edged the ball into her own territory, Norkus sinking a free throw and Kubicka swiveling into the circle to pot one of the neatest shots of the game. DePaul worked in three more baskets and Armour a free throw, the quarter ending 13-7. DePaul rallied smoothly in the second quarter to steal the ball from the Armour plays all over the floor and ran up 14 points against nothing for Armour.

Norkus opened the scoring with a free throw in the second half. DePaul's Carney retaliated with a bucket and Norkus dribbled back to sink a fancy underhand throw for Armour. Kubicka tossed one in from the free throw ring and D'Amato dribbled down to sink one, completing Armour's scoring spree.

The final minutes of the game, as DePaul added several more baskets to the score and Gerwig sank Armour's eighth free throw, was witnessed by the crowds gathering for the close Pitt-DePaul varsity battle which was to follow.

Box Score

| De Paul (44) | | Armour (16) | |
|---------------|--------|----------------|--------|
| B. | F. | B. | F. |
| Norris, f. | 2 0 1 | D'Amato, f. | 1 0 3 |
| Rajndel, f. | 1 0 0 | Norkus, f. | 1 2 2 |
| Schulte, f. | 2 0 0 | Kubicka, c. | 2 3 2 |
| Janus, f. | 3 0 0 | Scherer, g. | 0 1 2 |
| Sikrodzki, c. | 2 1 2 | Gerwig, g. | 0 1 2 |
| Tollstam, g. | 5 0 1 | Swankowski, f. | 0 0 0 |
| Carney, g. | 1 0 0 | Webber, c. | 0 0 0 |
| Szukala, g. | 1 0 1 | | |
| Carr, g. | 1 0 1 | | |
| Total | 20 4 6 | | 4 8 11 |

TECH FIVE LOSES CLOSE CONTEST TO LAKE FOREST

Basket in Last Minute of Play Cinches Game

FINAL SCORE, 34-31

In what was probably the most exciting game in years, Armour's basketeers surrendered to Lake Forest, 34-31, after a bitterly contested battle last Saturday. It was the Techhawk's first trip away from home this season.

Gene Heike took scoring honors with six baskets and four free throws for a total of sixteen points. H. Rouse of Lake Forest followed with thirteen points, composed of five baskets and three gratis points.

Hard Fought from Start
From the start the game was hard fought but Lake Forest took advantage of Armour being on an unfamiliar floor to pile up an early lead.

With the opening of the second period came Armour's steady march up the scoring column. Merz opened up on a pass from Janicek and was followed by O'Brien, who hooked one in from under the bucket. A free throw by Eiserman of Lake Forest, followed by a hook-in shot by Heike and a gratis toss by O'Brien brought the score to 23-21. After Lake Forest threw the ball off on a poor pass, Shukes received a pass from Swanson to tie up the score.

Now It Starts!
Here, things began to pop! O'Brien made another bucket after a scramble under the Lake Forest basket, but the locals retaliated with one of their own. See-saw play up and down the floor kept the stands in an uproar and, with Merz out on personals, H. Rouse of Lake Forest sank two free throws to bring the tally to 27-25.

Heike, placing a beautiful long hook, tied up the score again, and a shot by O'Brien placed Armour in the lead for the first time. Lake Forest, in a burst of frenzied activity, made another basket, and a free throw by Christensen, placed the locals again to the fore. After an Armour time-out, he again placed a gratis point, but Lake Forest lost the ball several times on double dribbles and Heike made a basket to bring the score to 32-31.

With 45 seconds to play, the local lads commenced to stall, and, after Hendrikson of Armour missed a free throw opportunity, passed down to sink the winning basket, 34-31.

Techawk Cagers Defeat Arkansas Indians, 37-28, in Close Contest

| Armour (37) | | Arkansas (28) | |
|---------------|---------|---------------|--------|
| B. | F. | B. | F. |
| Heike, f. | 6 3 2 | Norris, f. | 6 2 1 |
| O'Brien, f. | 4 0 2 | Baldwin, f. | 1 2 1 |
| Merz, c. | 1 1 1 | Downs, c. | 1 1 1 |
| Janicek, g. | 2 1 4 | Shannon, g. | 3 1 3 |
| Wagner, g. | 0 0 1 | Clements, g. | 0 0 2 |
| Henriksen, g. | 0 0 1 | | |
| Total | 16 5 11 | | 11 6 9 |

Although they encountered stiffer opposition Tuesday than in last year's Arkansas State game, the Techawks again set down the Indians in defeat, this time by a score of 37 to 28.

Captain Gene Heike of the victors took high scoring honors, making six baskets and three free-throws for a fifteen point total. Norris of Arkansas, also captain of his team, led the visitors in scoring with a total of fourteen points, accounted for by six baskets and two gratis tosses. Merz and O'Brien, with nine and eight points respectively, were also instrumental in building up Armour's total.

Janicek Opens Scoring

After a minute or two of scrambled play, scoring started when Janicek dropped one in from the free-throw line, notwithstanding a foul by Baldwin. Janicek also dropped in the free throw to give Armour a 3-0 opening lead. Shannon came back with a bucket which was immediately nullified when Heike sank the first of a series of beautiful hook and pivot shots, this one from just

inside the free-throw line. Arkansas took time out at this stage of the game and then came back with vengeance. While holding the home team scoreless, the Indians put in eight points to take a 10-5 lead. The rest of the half was a whirl of frenzied play. The teams alternated in taking steps and making wild passes as a few points dropped in during the wild parade up and down the floor. O'Brien's basket which came after a series of short passes down the floor dropped in as the horn blew and gave the Techawks a 13-12 half-time lead.

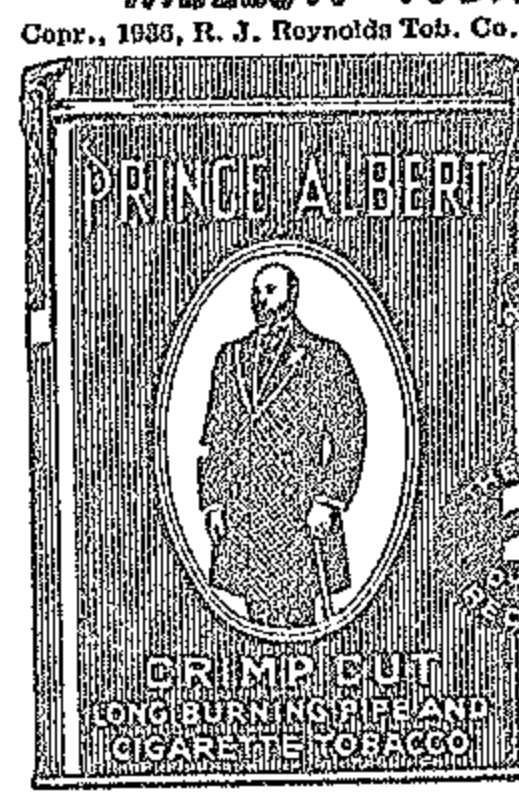
Arkansas Steps Into Lead

An early period flurry of basket shooting gave Arkansas their last lead. However, two baskets by Heike and one by Merz kept Armour near the top and when Merz tipped O'Brien's high pass into the bucket, it gave the Techawks a one point, 21-20, edge. They were never headed again, and, despite Norris' single handed fight to keep the Indians in the running, the winning margin slowly grew.

Due to the many openings offered them, the Techawks found it difficult to stall as the game waned. A basket by Merz from the coffin-corner and one by O'Brien under the hoop ended the scoring as Armour hung an Indian scalp to its belt to the tune of a 37-28 victory.



HERE'S WHY THERE'S NO OTHER TOBACCO LIKE PRINCE ALBERT: P.A. IS CHOICE MELLOW TOBACCO - "CRIMP CUT" FOR COOLNESS - WITH THE "BITE" REMOVED BY SPECIAL PROCESS. IT'S THE LARGEST-SELLING TOBACCO IN THE WORLD. AND SWELL FOR "MAKIN'S" CIGARETTES.



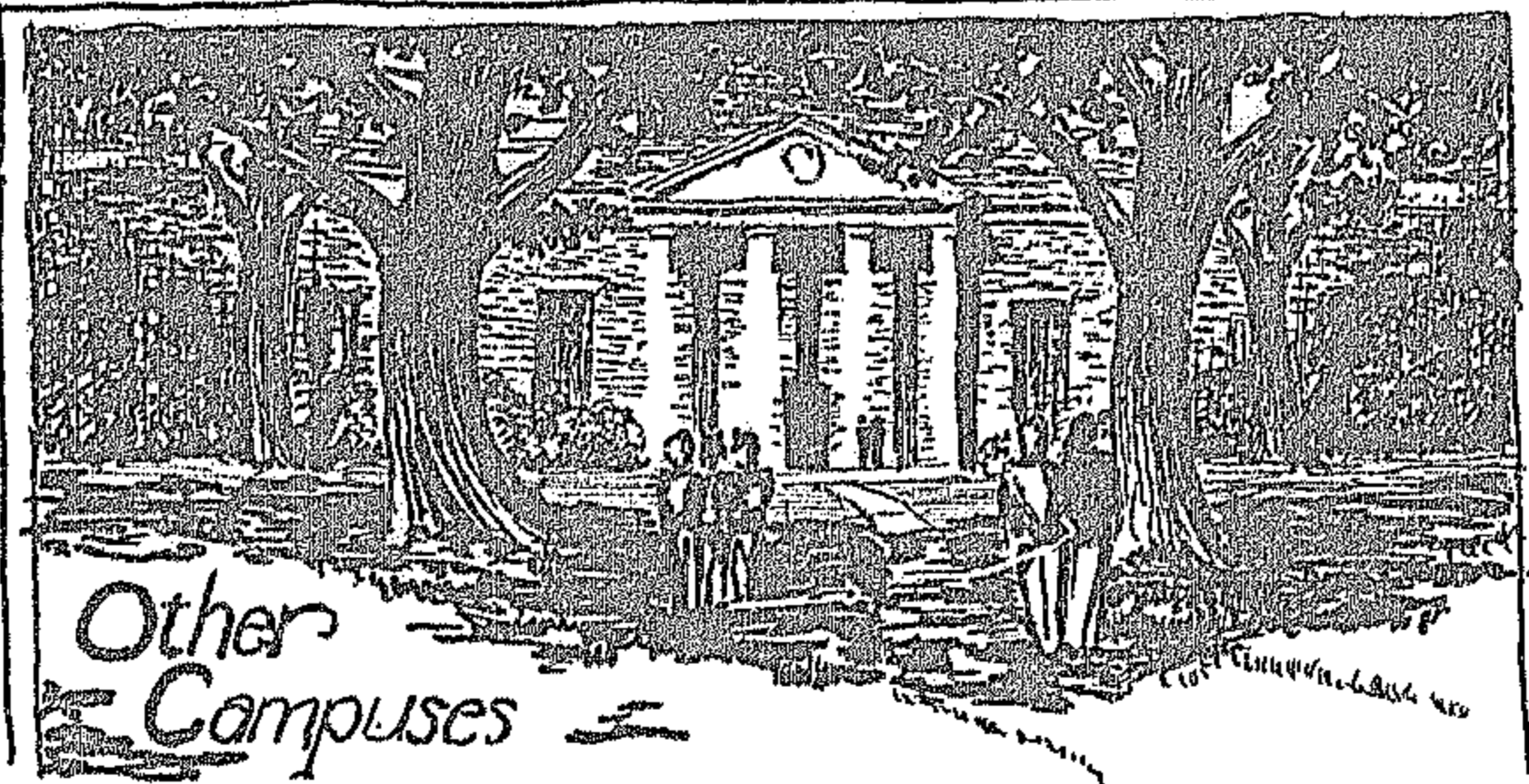
50 pipefuls of fragrant tobacco in every 2-ounce tin of Prince Albert

PRINCE ALBERT MONEY-BACK GUARANTEE:

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

(Signed) R. J. REYNOLDS TOBACCO COMPANY
Winston-Salem, North Carolina

PRINCE ALBERT THE NATIONAL JOY SMOKE



"Hell Week" has been abolished at many colleges, but not so at M. I. T. Pledges were blindfolded, made to feel sharp nails in a board which was put at the bottom of a step ladder on which they were forced to stand. The blindfold was removed, and the freshman allowed to see the studded board before the command to jump was given. One pledge, obeying the command, jumped and fainted dead away before his bare feet touched the points—made of tinfoil.

The Universities of Michigan, Wisconsin and Penn. State have a system of being rushed to the tune of fifty cents per man. The fraternity coffers have profited to the extent of \$350 as a result.

Some smart lad at New York University has found a new way to crib. It seems that notes written on spectacles or watch crystals with grape fruit juice become visible when breathed upon.

Probably the most unique scholarship in America is one offered by Hamilton College worth \$500. It is open to all men in America by the name of Leavenworth.

Colorado University students caught drinking are forced to attend Sunday school for three years. The demand for Sunday school teachers must be terrific!

A University of Iowa dean has a new development in campus etiquette. He thinks that students should wait three minutes for an instructor, five for an assistant professor, eight for an associate professor, and ten for a full professor. That's all right if the faculty will do this: Allow freshmen to be two minutes late (with or without their pants), sophomores five minutes, juniors ten minutes and seniors fifteen minutes.

An inter-collegiate association's survey shows that the average "life" of football coaches at major colleges during the past decade has been less than four years.

A survey (let's hope it's a survey to end all surveys) at the University of Wisconsin brings out the fact that the average coed has four dates a week and spends twenty-four hours a week in study.

In a survey taken at Milwaukee College it was disclosed that tennis players had the highest scholastic

Events Set For Frat and Interclass Swim

The swimming meeting, held last Tuesday, saw the tying together of the loose ends of the swimming team, interclass and interfraternity arrangements. In connection with the swimming squad, it was definitely stated that Captain Rueberg or Manager Stern would be at the University of Chicago pool every Monday and Friday to time the swimmers and generally supervise the practice. In view of this, there should be no reason why the swimmers shouldn't be out there getting the low-down on their respective abilities. The schedule for the coming season is almost complete, but not yet ready for publication. Wright and DePaul are two of the schools on the list.

Frank Hackman, with the aid of interclass and interfraternity managers, made up the list of events for the interclass and interfraternity tournaments to be held January 13. There are only two events scheduled for the interclass swim, the four man relay and the three man medley. Seven events will be run off in the interfraternity swim, consisting of the four man relay, the three man medley, the 40 yard breast stroke, the 40 yard backstroke, and the 40, 100, and 220 yard crawls. It should be noted at this time that the names of all entrants in both tournaments should be submitted before the meet, and that no changes will be made the night of the meet.

averages of any of the athletes. The footballers came out on the bottom of the list.

Two years ago American colleges and universities had 7,720 students from foreign countries enrolled.

The U. S. Government estimates that one out of every 25 persons is a criminal.

In a debate at the University of Manitoba on the question "is an old maid more useful on a farm than a wheel barrow?" the old maid lost by three votes.

The University of Texas will in time become the richest institution of learning in the world. It owns 2,000,000 acres of land that will yield metal and oil.

DR. FOULTER—

(Continued from page one)

asm and desire to get a problem solved in the best possible way. Many times he has worked far into the night in his office in the building at 33rd and Dearborn streets and has only terminated his work when the Institute lights were turned off at midnight.

'Doc' To His Men

Blue shirts with soft collars, comfortable clothes, and no hats are "Doc's" (as he was called by the men on the Antarctic expedition) preferences. He is married and has four children—all boys, ranging from one to eleven years of age. He likes to shoot with bow and arrow and shot a 500 pound seal in the Antarctic with that weapon. He has also hunted crocodiles, alligators, deer, and wild boar in Panama.

Former Football Player

For all of these things Dr. Foulter is relatively a young man. He was born in Salem, Iowa, March 3, 1897, and received his B.S. degree at the Iowa Wesleyan College in 1916; while at college, he played football. At the University of Chicago he received his Ph.D. degree in chemistry in 1933. Following this he was appointed to a John Simon Guggenheim Fellowship and received a Sc.D. honorary degree from the Iowa Wesleyan College in 1935. His work has centered itself upon research on electrical, chemical, physical, and optical effects of extremely high pressures; Antarctic meteor and auroral phenomena; geophysics; glaciology; seismology; terrestrial magnetism; and organic chemistry.

Immediately following his graduation from college Dr. Foulter taught physics and later was an assistant in chemistry and biology at the University of Chicago. In 1925 he was made head of the department of chemistry at Iowa Wesleyan College and later became head of the physics department at the same school. During the summer of 1927 he lectured at various universities in fourteen western states and in Canada. In 1932 he was a member of the Arizona Meteor Expedition sponsored by the Midwest Meteor Association.

In conjunction with his scientific work he has designed and built many delicate precision scientific instruments such as the quartz spectrograph for the "30" spectrum, recording microphotometer, seismograph, tiltmeter, and high pressure apparatus.

Enlisted in Navy

During the World War, Dr. Foulter enlisted in the Navy and was stationed at Panama in the submarine C-4 and in several 'R' boats. On board the submarines he was a machinist and had charge of the air compressors. After the war he was responsible for the dismantling of the C-4. Other of his naval work included heavy machine design and drainage engineering. He now has a Lieutenant Commander commission in the U.S. Navy and acts in an advisory capacity in connection with naval engineering research.

Dr. Foulter is a member of the following societies: American Physics Society, American Chemistry Society, Seismological Society of America, Iowa Academy of Science, A.A.A.S., Midwest Meteor Association, Sigma Xi, American Polar Society, Illinois Academy of Science, and Theta Kappa Nu.

BANQUET—

(Continued from page one)

citing game is promised to the engineers and their dads, since both teams will be in tip-top condition. After the splendid, hard-fighting game presented by the Techawks in their thrilling victory over De Kalb last Thursday, every last Armourite and his dad should be out on December 19 to cheer our peppy team to victory. Last year, in a nip-and-tuck battle, the Techawks lost by a score of 51-49 in the last seconds of play on the lucky shot of a Maroon substitute. This year the Tech hopes to avenge that defeat by properly shelling the Maroon cagers.

Expect Excellent Ticket Sales

With all of the final arrangements satisfactorily completed, the "Dad's Night" ticket committee is now putting forth its best efforts to insure a capacity crowd. Tickets have been on sale for the past two weeks and can be purchased from any group or department representative. Dad's tickets are black and are priced at \$1.30, comprising \$.90 for the banquet and \$.40 for the game. Son's tickets are yellow and are priced at

Auto Lab Is Recipient of New Dynamometer

Among the recent acquisitions of the Auto lab which is under the direction of Prof. Daniel Roesch is a 5000 r. p. m. dynamometer received from the Midwest Dynamometer and Engineering Company of Chicago.

It is the latest model high speed induction type power absorption dynamometer with horse power reaching 300.

\$90. Dad's will be admitted to the game on presentation of the black stubs, while Armour students have but to show their athletic passes to gain admittance into the fieldhouse.

This is the first affair of this kind ever planned at Armour and it requires the cooperation of every loyal Armourite to make it a complete success.

List Ticket Sellers

Tickets may be secured from the following men: Senior class: J. C. Stern, C. E., manager; N. Gerber, Sc.; J. A. Haase, Ch.E.; L. J. Janas, M.E.; J. F. McCaulay, F.P.E.; A. A. Sobolik, E.E.; and L. E. Zwissler, C.E.

Junior class: W. J. Chelgren, M.E., manager; H. F. Perlet, F.P.E.; J. Dunne, Ch.E.; C. K. Nauman, M.E.; G. A. Palka, E.E.; and W. Schlax, C.E.

Sophomore class: W. E. Kruse, Ch. E., manager; H. C. Anderson, F.P.E.; R. I. Jaffee, Ch.E.; E. C. Mitchell, M.E.; and R. R. Tullgren, C.E.

Freshman class: D. H. Sunde, manager; J. P. Ransel, and J. Winslow.

Faculty representative is Professor P. C. Huntly, and the sale of tickets through clubs and fraternities will be handled by J. D. Sheehan, F.P.E.

The representatives of the clubs and fraternities are W. Laise, P. M. Martin, S. M. Miner, P. L. G. Moore, J. J. Penn, P. Schultz, E. J. Skeppstrom, I. Thomas, and R. Winkler.

Mary Diletto Restaurant 3253 Princeton Ave.

Menue changed daily. Home cooking. Complete steak or chop dinners, 35c. Special 30c dinner

Season's Greetings

FROM
R-J-REYNOLDS TOBACCO COMPANY
MAKERS OF CAMEL CIGARETTES AND
PRINCE ALBERT SMOKING TOBACCO

Another Christmas special—4 boxes of Camels in "flat fifties"—wrapped in gay holiday dress.

At your dealer's you'll find this Christmas package—10 packs of "20's"—200 cigarettes.

Prince Albert

It's easy to please all the pipe-smokers on your list. Just give them mellow, fragrant Prince Albert—the National Joy Smoke—the Prince of Pipe Tobaccos. "P. A." is the largest-selling smoking tobacco in the world. It does not "bite" the tongue. Prince Albert will wish your friends and relatives the merriest Christmas ever.

One full pound of Prince Albert—in an attractive Christmas gift package.

Camels

There's no more acceptable gift in Santa's whole bag than a carton of Camel cigarettes. Here's the happy solution to your gift problems. Camels are sure to be appreciated. And enjoyed! With mild, fine-tasting Camels, you keep in tune with the cheery spirit of Christmas-tide. Enjoy Camels at mealtime—between courses and after eating—for their aid to digestion. Camels set you right! They're made from finer, MORE EXPENSIVE TOBACCOS—Turkish and Domestic—than any other popular brand.

(Above) Full pound of Prince Albert, in a real glass humidior that keeps the tobacco in perfect condition.

Steamshovel Amuses M. O. B. A.* As Feature Dept. Puzzles Over Reason

By R. W.

"Step right up, folks, step right up and see the show. See him dig. See him wrest rocks from the bowels of the earth with gigantic jaws of steel. See the massive masterpiece of machinery in motion. Don't miss this show, folks, it's the gr-r-reatest entertainment on the face of the earth!!!! . . . Step right up . . . step right up . . . We can't block the sidewalks. It's only ten cents . . . ten cents, one dime . . . two nickels . . . the tenth part of a dollar. Who's next to buy a ticket to see this marvelous miracle of mechanism? . . . It's a thrill a minute . . . It's fascinating, it's educational. No man, woman or child should neglect this opportunity of a lifetime."

Faculty Complains

Is that what the barker would say if they fenced off the steam-shovel in back of the Mission and charged admission to see it? Anyway, it seems like a good idea. Everyone of us likes to watch a steam shovel in operation, that is, if we are normal human creatures. Even our faculty is complaining about the digger. They say that attendance in classes has dropped off forty per cent since the ground-grabber has commenced its operation. The students enjoy nothing better than to watch the enthralling motions of the voracious scoop. The only drawback to their full enjoyment is that most of them haven't much of an idea what all this digging and delving is for. To what purpose does that monstrous mechanical mole puff and snort and rip huge chunks of earth and rock from their peaceful resting places? It is no doubt having a rip-snorting time, but what are they going to do with the hole after they get it?

What To Do With the Hole?

After all, from a purely philosophical view-point, what good is a hole? When all is said and done, there's nothing to it. You can always use a hole to stuff swiss cheese or doughnuts, or to wrap stove pipes around, or they can cut it up into little pieces and sell it to farmers for post holes, but what can Armour do with it? We are getting to that. Just hold on to your hats and sit tight. It won't be a swimming pool. We know that, because it's only about a mile to the lake, and anyway who wants to go in swimming this time of year? Br-r-r-r!! It's too chilly out. It won't be a place to throw old razor blades, as most M. O. B. A. only shave about once a month. It won't be for Eejay and Zazu to hide in every Tuesday, as that would

Advanced Accounting to Be New Elective

"Advanced Accounting" will be a new elective offered next semester by the social science department for students who have completed Social Science 103. Mr. B. E. Goetz, who will be the instructor, has announced that the course will be as comprehensive as is possible in one semester and will include such topics as Accounting, Classification, Valuation of Accounts, Interpretation of Accounts, and some work on budgets and Accounting ratios. The probable text is one entitled, "Accounting Method," by Rufus Rorem.

"As accounting can only be permanently learned through the solution of many problems, the course will be largely based on that principle," said Mr. Goetz. The class sessions will be on Mondays and Wednesday throughout the semester. Although two hours' credit will be given, Mr. Goetz announced that only those who are actually interested in accounting will be welcome.

Photography Group Named "Armour Eye"

"Armour Eye," the new photography club, will elect its officers at a meeting to be held next Thursday at 12:20 o'clock in the physics lecture room. This meeting will be the last for the acceptance of charter members.

Last Thursday at a noon-hour meeting, the constitution of the club was accepted. The group has decided to have twenty-five active members and any number of student and faculty sustaining members. Meetings of the club will be held at noon every second Thursday.

be below their dignity, and besides they can run pretty fast anyway. It will positively not be, as one freshman suggested, a training tank for the Armour's rowing crew.

Use Found for Hole

By easy stages we have learned what the hole is not for. We have only to ascertain what it IS for. By the way, the omission of the steamshovel in last week's News has no connection with the appearance of the shovel we are talking about. Well, here's the answer,—pause for suspense.—If you look due north from the diggings, you will see, at a distance of about a quarter block, a large heap of bricks and wreckage. The idea is to dig a big hole, and throw the bricks in. Then, the dirt left over from the hole, after the bricks are covered over, will be taken over to where the bricks used to be before the hole was dug, and will be used to level off the ground. It's kind of complicated, maybe we had better go over it once more. On second thought, maybe not.

*Midnight Oil Burners of Armour.

A. I. C. H. E.—

(Continued from page one)

entation of the results of a study of the unit operations of the chemical engineering laboratories. P. R. Schultz will talk on "High Frequency Induction Furnace"; R. F. Berger on "Heat Transfer in a Gas Fired Furnace"; H. O. Bauermeister on "An Experiment in Extraction"; R. M. Levy on "A Study of Agitation"; F. D. Hoffert on "Alkylation in Cycles"; J. N. Weiland on "Some Deductions From a Study of Filtration"; and H. E. Little on "Heat Transfer Coefficients of Some Organic Liquids."

Regular Experiments Demonstrated

The group will then adjourn to the senior and junior chemical laboratories where all the equipment will be in operation. F. D. Hoffert will be in charge of the senior laboratories and H. J. Bodnar in the junior laboratories.

The experiments, with the exception of agitation, extraction, and nitration, make up the list of experiments that the chemicals are required to complete in their junior and first half of their senior years. The second half of the senior year is devoted

entirely to one individual chemical engineering problem.

In the senior chemical engineering laboratory and annex the regular senior experiments will be operating. Running at full blast will be a ten plate bubble cap column, dryers, steam jacketed kettles, fluid flow meters and pumps, gas fired furnace, horizontal condenser tube, evaporators, vacuum leaf filter, industrial filter, gas absorption apparatus, vertical condenser, and extraction and agitation setups.

Juniors Work on Water Treatment

The junior laboratory will divide their demonstrations into three parts: industrial water treatment, sanitary water treatment, and temperature measurements. The industrial water treatment section will consist of chemical precipitation as a means of water softening and a zeolite filter treatment section will feature activated sludge in combination with sterilizing agents and chemical precipitation followed by slow or rapid sand filtration; and the temperature measurements section will consist of thermocouple calibration, resistance thermometer calibration, radiation pyrometry, and optical pyrometry.

KALEIDOSCOPE

MAY CHRISTMAS TROUBLES

DECIDING ON Christmas gifts is as bad as taking a physics exam, and a slide rule isn't much help. Take my girl-friend, May, for instance. (If you'll take her till after Christmas, I'll be very grateful.) Last year I bought her some flowers; now they call me "April Showers" because I brought May flowers. Her sister gets an orchid from some fellow every day; he says it with flowers but he stutters.

I also gave her a pair of ice skates and I lived to regret it. She does her skating where other people do their horse-back riding. Every time she fell I refrained from making any sarcastic remarks, but the ice made some funny cracks. We always walk-

ed home afterwards because she didn't feel like sitting for a while.

She always got hungry from the exercise and when she finished ordering in the restaurant, I saw the total cost of the ice skates mount to where the decimal point became elusive. May orders onions with every course—boy! she is no girl to be sniffed at.

After paying for her meals all last winter, I was so broke that I took to playing the horses. I had a swell system based on the law of increasing returns and everything went swell till I bet on a horse named "Feenamint" and he cleaned out my system. He was an aristocratic horse, but he was the last of his race. So, if you learn nothing else at Armour, remember not to buy your girl ice-skates. Or maybe you don't have a girl like May—I hope.

MAC.

VICTORY RESTAURANT

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3035 Wentworth Ave.

We beg to announce a very suitable eating place, where everything we serve is prepared to the highest quality in food and cooking material. The best health insurance is: "PURE FOOD, WELL COOKED." Here you will always find a combination of GOOD FOOD, SERVICE, CLEANLINESS AND FINE FRIENDSHIP THAT WILL BE CERTAIN TO APPEAL TO YOU.

SPECIAL NOON DAY LUNCHEONS

Our Prices Are Very Popular, Profit Sharing Prices



Buddy,

I can't pay a higher compliment than that.

*Girl or cigarette . . . when
I tumble that means I'm
for 'em.*

Chesterfield's my cigarette.
And I'll tell all hands they've
got a hearty good taste that
makes a sailor happy. And
listen, they're milder.

*. . . for the good things a
cigarette can give a sailor*

*I'll sign up with
Chesterfields*