



SIDELINES

By Albert M. Lane

WITH THE semester rapidly drawing to a close and graduation about to become a reality for the seniors, idle hour conversation among that group of students is concerned with the yet unsolved problem of locating work. Thought and efforts have been expended by the seniors, both individually and collectively, toward the establishment of ways and means through which they might secure employment upon the completion of their school work; but results have not been at all gratifying. Nor has the concentrated and well directed activity of the placement officer been able to uncover a market nearly adequate to absorb the available supply of engineering talent. The problem, to many, becomes more acute with the passage of each week.

IT WOULD not be at all surprising if the interested had long since grown weary of listening to the many admonitions and the plentitude of advice that is being so freely disseminated with respect to attaining success in the search for work. One does tire of absorbing theory while having no place in which to apply it. Yet such advice, when properly sifted and catalogued, may be the keynote to achievement of one's objective—the knowledge source for attainment. Surely, in a field of competition as keen as that faced by this year's graduates—a field filled to overflowing by the turn-out of five previous years, those men who have schooled themselves to avoid rejection without trial must one day find the opening into which they can drive their wedge for progress.

SEVERAL DAYS ago a member of our own alumni—a man in the position to really know—gave his formula to the group that attended the A. S. M. E. meeting at which he spoke as a guest. M. A. Smith of the class of 1910, the speaker, as a result of his years of experience in hiring men for the U. S. Gypsum Company, of which he is Personnel Director, has formulated indices of judgment by which he gauges applicants for employment. Such information—the standards by which an applicant is to be judged—is invaluable. It is information of a kind comparable to a previous knowledge of the questions that will be asked in a quiz.

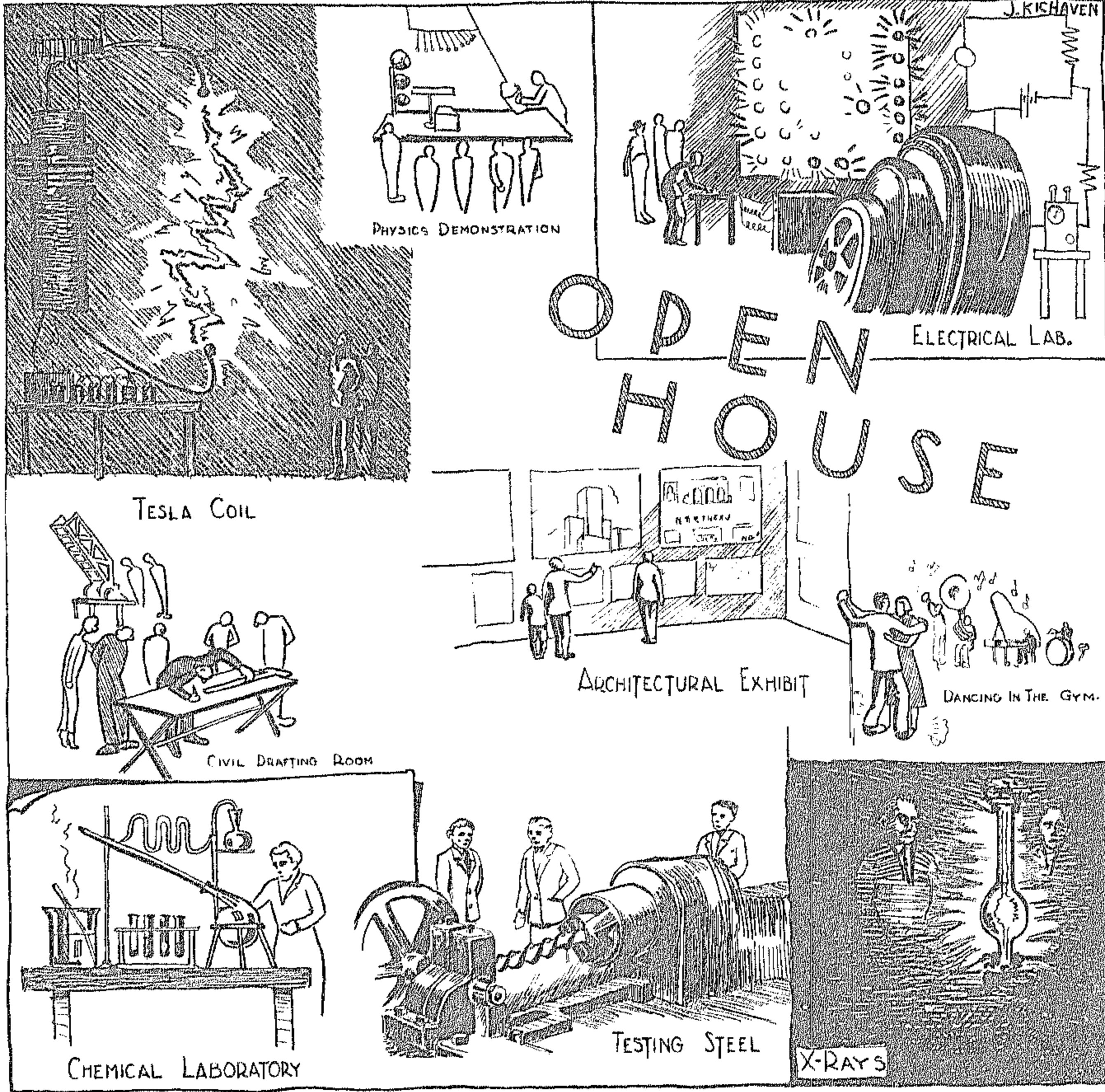
THE CAUSE for early curtailment of many interviews and the attendant failure of the applicants to obtain positions, according to Mr. Smith, lies in the manner of ap-
(Continued on page 2)

J. B. Davis Named For 1936 Cycle Editorship

The selection by the *Cycle* managing board of John B. Davis, a junior in the department of fire protection engineering, to the post of editor-in-chief of the *Cycle* of 1936 was finally approved at a meeting of the faculty committee on student publications last Thursday.

Davis has worked on the *Cycle* since his freshman year; he held the office of associate editor at the time of his appointment. He succeeds George W. Wheaton, under whose leadership the *Cycle* of 1935 has been prepared. This year's *Cycle* will be ready for distribution on Wednesday, May 29.

With the exception of the appointment of R. Mansfield and R. G. Stevens as photographers, the other positions on next year's *Cycle* have not yet been filled. However, in order to increase the competitive nature of the post of editor-in-chief, the new staff will have five assistant editors, all eligible for the editorship, rather than a single associate editor whose promotion to the editor's post is well-nigh a sinecure.



STUDES YIELD TO JUNIOR WEEK AND ENNUI OF SPRING

Rush, Bees, Birds, and Nuts to Books

Bringing with it memories of Junior Weeks for the past twenty years, more or less, and still holding a thrill of anticipation for the week to come, today, Monday, May 13, marks the opening of Junior Week of 1935, sponsored by the class of '36.

No Math This Week!

Under the leadership of Raymond A. Peterson, Junior marshal, the class of '36 has prepared a program of sports, games, and shows which should effectively put a stop to all such hum-drum occupations as doing math problems or preparing juice reports. In recognition of this fact, the Dean's office plans to excuse a great many classes during the week. The full schedule of classes to be excused will be posted each day on the bulletin board in the Main building.

Opening today with the start of a Beaver (beard-growing) contest, the finals of the inter-fraternity baseball tournament, and, in the evening, the Institute's annual Open House; the week will wind up Friday, Circus day, with a regular rip-roaring circus finish.

Formal Dance Is Finale

And Friday night, after the dust of battle has slowly settled over Ogden field, after the grimy nosed frosh and the tatter clothed sophs have limped away from the scene of their annual free-for-all, those who are physically able will celebrate the end of a week of joy at the Junior Formal.

Circus Day a Real Circus

The official program, printed elsewhere on this page, includes nothing of the spirit of abandon which will characterize Armour students
(Continued on page 4)

Junior Formal to End Festive Week

Friday night is the night of all nights! On that night the annual Junior Formal, the foremost social event of the year, will terminate the year's social activities. The dinner dance will be held Friday, May 17, at the Oriental Ballroom of the Knickerbocker Hotel, Walton Place, east of Michigan Boulevard.

The music for the occasion will be furnished by an eleven piece orchestra under the direction of Carl Sands. Dancing will begin promptly at 9:30 p. m., and dinner will be served at 10:30 p. m.

Bids are selling for \$4.00, a considerably lower price than that which has been charged in previous years. By arrangement of the committee, tuxedos may be obtained through George Ormsby, at a reasonable rental charge. Anyone wishing to rent a tuxedo must be fitted no later than Tuesday night.

The sponsors for the dance are President and Mrs. Hotchkiss, Dean and Mrs. Heald, Professor and Mrs. Schommer, Professor and Mrs. Moreton, Professor and Mrs. Spears, and Mr. and Mrs. Allison.

Tickets for Annual Banquet Being Sold

Tickets for the Alumni Banquet, to be held June 4 at the Medinah Athletic Club, will be on sale Open House Night on the first floor of the main building. Tickets, costing \$1.25, may also be obtained from Professor John J. Schommer who is in charge of the affair.

Warren Brown and Arch Ward, two well known Chicago journalists, will speak during the evening, as will J. D. Cunningham, president of the board of trustees, and W. E. Hotchkiss, president of the Institute. The Armour Musical Clubs will participate in the program and several awards will be made to Armour students.

TO OPEN HOUSE VISITORS

A cordial welcome to Armour Institute of Technology! On Open House Night we aim to give you a picture of the work which our students are doing and to indicate something of the education which they are receiving. We trust that your evening here will give you a better understanding of what education for an engineering career means. We hope also that you will have a thoroughly enjoyable time, and participate in our Open House Nights for many years to come.

Willard E. Hotchkiss, President.

ARMOUR ENGINEER PLANS TO EXPAND TOTAL CIRCULATION

Members of the reorganization committee of *The Armour Engineer* met last week to further plans, formulated a short time ago, to expand the circulation and contents of the quarterly publication. The committee consists of D. P. Moreton and J. J. Schommer, representing the alumni; G. S. Allison and H. T. Heald, representing the Institute; W. Hendricks of the publications board; and D. N. Brissman, H. P. Milleville, and H. S. Nachman of the Engineer staff.

To Include Alumni and Faculty

The committee agreed that the student body, the alumni, and the Institute had considerable common interest which could well be served by a magazine published jointly by the three groups, and that reorganization should progress with this as a basis. The magazine will be received by all the students, all the alumni, and the faculty. This gives an immediate circulation of 4000, with a possible increase to 5500 as the alumni mailing list is brought up to date. A sub-committee composed of Professors Hendricks and Moreton, and students Brissman, Milleville and Nachman, was formed to arrange the details of reorganization.

Plan Changed Form

Recommendations made by the sub-committee after their first meeting are: the size of the page of the "Engineer" should be slightly enlarged, and a lighter weight paper would be more desirable; dummy "Engineers" should be constructed with a proposed table of contents; a discussion should be held after these samples are ready, for further consideration of the editorial and business side. After this a meeting of the whole committee will be held to complete the arrangements.

Students are urged to express their own views on this plan to members of the committee. Any further suggestions would also be welcomed. Professor Moreton has sent out questionnaires to 100 members of the Alumni picked at random. Early returns indicate that the alumni are in favor of going forward with the plans.

The suggestion that the *Engineer* be distributed to the alumni without charge has many proponents. Alumni interest, meanwhile, is in favor of a series of articles of the work being done by prominent graduates.

ALL DEPARTMENTS FEATURE NEW, SPECTACULAR EXHIBITS IN ANNUAL OPEN HOUSE SHOW

Mechanical Man, Movies, Artificial Lightning, New Aero Fire Alarm, Ice Manufacture, are Among Evening's Features

DANCE TO BE HELD IN GYM AT 9:30

Senior cap and gown fees are now payable in the registrar's office.

Armour Will Hold Thirtieth Concert

Presented free of charge for the pleasure of all friends of the Institute, the thirtieth renewal of the annual Spring Concert is to be held this Wednesday, May 15 in the Armour Mission at 7:30 p. m. More than thirty years ago, the idea of a musical organization was first conceived by Professor C. W. Leigh, now retired. Since that time, the musical clubs have grown into a large and renowned organization under the expert guidance of Professor Leigh, and during the last few years under Mr. O. Gordon Erickson, the present director.

Sponsored by Faculty Women

The Spring Concert is sponsored this year by the Faculty Women's Club, the first to be sponsored by that organization. The arrangement of the program will be similar to that of last year's. A group of songs and pieces by the Orchestra and Glee Club; an intermission during which the social fraternities will hold their sing, after which the second group of numbers will be presented.

Hold Reception in Grill

After the concert, an important departure from past years will be made in that the Faculty Women's Club will hold a reception in the faculty and students grill, where light refreshments will be served. The hostesses for the evening will be: Mrs. Willard E. Hotchkiss, Mrs. Henry T. Heald, Mrs. Charles W. Leigh, and Mrs. O. Gordon Erickson. Students and their friends are invited to meet the members of the faculty and their wives at the reception.

THIS WEEK

Junior Week!

Monday: 11:30, Entrance Beaver Contest; 1:00, Finals: Interfraternity Baseball Tournament; 7:00, Open House; 9:30, Dance: Armour Gymnasium.

Tuesday: 9:30, Junior-Senior Baseball game; 11:00, Freshman-Sophomore Baseball game; 1:00, Pentathlon; 2:30, Tennis: Wheaton vs. Armour.

Wednesday: 9:30, Finals: Interclass Baseball Tournament; 11:00, Interfraternity Relay; 11:15, Interclass Relay; 11:30, Faculty-Senior Baseball game; 1:30, Baseball: Elmhurst vs. Armour (Doubleheader); 7:30, Spring Concert.

Thursday: 9:30, Interfraternity Track; 1:00, Junior-Senior Events; Medley Relay; Tug of War.

Friday: 11:30-12:30, Finish Beaver Contest; 11:30, Assembly of Freshman and Sophomore Classes; 1:00, Interfraternity Pageant; 2:15, Distribution of Awards; 2:30, Freshman-Sophomore Rush; 9:00, Junior Formal.

A program is being worked out in the Dean's office for the dismissal of classes, to enable the student body to participate in the scheduled events.

Notices will be posted on the bulletin board each morning, listing the scheduled events and the hours for the dismissal of classes.

By Herman O. Bauermeister

In what may be the last Open House Exhibit on the old campus, if present plans materialize, Armour is once more playing host to an estimated crowd of nearly 3000 friends, old and new. With action and more action in every one of the departments having demonstrations tonight, there is something to interest everyone. Many visitors have declared this to be the most comprehensive exhibit of science and its applications to be found in the Chicago area.

Starting in the electrical laboratories on the first and second floors, one finds many experiments illustrating the applications of the theoretical work of this subject. Heavy currents are used for their heating effects in spot welding. An arc welding set is also in operation to show the other common methods of using electricity to bind metals.

Show Burglar Proof House

Other experiments, mainly on the second floor, show some of the latest developments in electrical engineering. A model burglar proof house is shown, the principle of which is superior even to devices using the "electric eye" (shown in the physics department) since the mere effect of the human body actuates the alarm. Another application of this principle is found in the automatic fountain in the electrical laboratory, the presence of someone near the water stream being enough to start the flow.

A new mercury vapor lamp which has an efficiency twice that of the ordinary incandescent lamps, is shown in an industrial application.

High frequency apparatus features a machine that uses the short waves produced to create an artificial fever in the human body without making any contacts. Another application is in diathermy currents, which apparently show that the human body can be a very good conductor since bulbs held between people in a chain glow brightly.

Ask the Mechanical Man

Last, but not least, in this display of electrical applications is the mechanical man. Ask him any questions; he'll know the answers.

Fire protection engineering is represented by an exhibit in the Physics Lecture room at the north end of the second floor. Actual demonstrations of the different kinds of fire extinguishers, including the modern carbon dioxide type, are carried out by the students, who will also explain apparatus such as sprinkler heads and dry pipe systems. A miniature warehouse on display embodies the best practice in protecting against fire, while the "Aero system" shown by a representative of the
(Continued on page 3)

Frosh-Sophs to Hold Informal Class Dance

Because of the success of their Engineer's Hop, the freshman and sophomore classes are holding an informal dance in the Crystal ballroom of the Edgewater Beach Hotel on Wednesday, June 12. Music will be furnished by some well known orchestra, possibly that of Richard Cole, who played in the Empire room of the Palmer House last summer.

The spaciousness of the Crystal ballroom insures ample lounging space along with a large dance floor. The Beach Walk will also be available.

Dancing will probably be from nine to one o'clock. The price of the bids is to be \$1.50.

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The New Armour

All those who take part in tonight's Open House program, either as students or as friends of the Institute, will probably do so with the thought in the back of their minds that they may be seeing Armour's last Open House on its old campus. They will wonder, perhaps, just what the chances are of witnessing another such program in these buildings, and because of the well known inaccuracies of the daily press, they will have plenty of food for wild speculation. It would be well then, to review the possibilities in the case.

There are, first of all, two facts. Armour needs a new plant. President Hotchkiss is determined that Armour shall have a new plant. From these facts we are not too cock-sure in concluding that Armour will eventually have a new plant. Furthermore, from present indications, there is a strong possibility that a part, but only a part, of the operations of the Institute will be taking place on a new campus next September. It is highly improbable that the heavy laboratories and shops will be moved so soon. On the contrary, the probabilities are that Open House night will take place again on this campus next May.

It is generally known that Armour now holds options on some property located at Lake Shore drive and Erie street. The Tribune last week printed a drawing of a building which it termed a proposed new Armour Institute, and it followed this with an editorial criticizing the appearance of the structure and pointing out that even in an engineering school there is some room for appreciation of beauty. This is flattering interest indeed, but it is based on a misconception.

In the first place, it is up to the Board of Trustees to decide what shall be done with Armour, and their annual spring meeting has not yet been held. Thus there has been as yet no definite decision to move to Erie street and Lake Shore drive. Indeed, although he has conducted an extensive study of the situation and has prepared a brochure explaining the possibilities of the Lake Front site, President Hotchkiss remains entirely open to further suggestions. However, to an impartial observer, that location appears to have advantages which no other possesses.

As to a new building, it is hardly to be hoped that any such project will be begun in the next few years. The first move will probably be to an existing structure. It was, of course, never proposed actually to erect the building which was shown in the Tribune. That drawing was prepared by a student to show how the facilities of the Institute might be housed on Lake Shore drive, and in all probability its exterior never received any extensive architectural treatment. As Dr. Hotchkiss pointed out in a letter to the Tribune, when the time actually comes to design a new building, the best architectural talent will be obtained, probably through a competition.

In the meantime, hopes at Armour are higher than they have ever been. Students and faculty are alike inspired with a belief that the job is now being tackled by a man who can and will succeed in it, and many of them look forward confidently to seeing the school in newer, better surroundings very soon.

"The Slipstick"

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

Woman (telephoning to desk clerk): "There's a rat in my room."
Hotel clerk: "Make him come down and register."

DEFINITIONS

Pedestrian—A man with a wife, daughter, two sons and a car.
Sweet Nothings—Marshmallows.
The shortest distance between two points—A straight eight.
The shortest distance between two joints—By taxi.
Space—It does not exist, according to a recent statement of a famous astronomer. This is confirmed by the city man who tries to park his car somewhere downtown.
A Bachelor—A man who, when he accomplishes something great, gets all the credit.
An Auto Jack—A useful little iron contrivance that is always back home under the porch steps when you want it out on the road.

*Some we've hugged
Had awful mugs
That didn't suit my taste,
But can't you see
That any hug
Is man-power gone to waist.*

"So she married the x-ray specialist. Wonder what he sees in her."

A model may mean any one of a number of things, as a woman once said she had a model husband—he was a miniature of the real thing.

*Ruth rode in my new cycle car,
In the seat in back of me;
I took a bump at 55
And rode on Ruth-less-ly.*

"We had quite a game up at the boarding house last night."
"Poker?"

"No. The landlady was going to lick one of the boys for not paying his board, I tried to check, she jumped me, crowned him and told us both to move."

"Did you do it?"
"Chess."

*She used to sit upon his lap
As happy as could be.
But now it makes her seasick—
He has water on his knee.*

Host: "There are my Grandma's ashes over there."
"Oh, so the poor soul has passed on?"
Host: "No, she's just too lazy to look for the ash tray."

*"The stork has brought a little peach!"
Said the nurse with delighted air,
"I am mighty glad," the father said,
"That he didn't bring a pair!"*

Wavy hair does not necessarily mean water on the brain.

"Ah, me," cried the Old-timer Mosquito, "and to think when I was young I could bite girls only on the face and hands."

AND DON'T FORGET

Even a fish wouldn't get caught if it kept its mouth shut.

A. M.

Fraternity Notes

TRIANGLE

Under the able pitching of Bill Brown we defeated Delta Tau Delta, by a score of 10 to 8, in interfraternity baseball. The game was played last Wednesday at Armour Square.

We extend our congratulations to Kappa Phi Gamma, a local fraternity at Northwestern, which is to be installed as another chapter of Triangle on May 25. An installation dance will be held at Thorne Hall on May 29.

DELTA TAU DELTA

The thirty-fifth annual May 10 birthday banquet was held last Friday evening at the Architects' Club. It was a huge success. There was a large number of prominent alumni present, including Charles W. Hill, Jr., H. J. Prebensen, the chapter advisor, Vice-President of the Air Comfort Corporation, and member of the Engineering Sales Corporation of Chicago, and H. Berg, Vice-President of the General Electric Air Conditioning Sales Corporation. The buffet lunch and beer proved very popular and was followed by entertainment and the singing of Fraternity Songs.

The Delt baseball team dropped its first tournament game of the season by being nosed out by the score of 10 to 8. The game was fast moving and exciting, but a few costly errors caused the defeat. Tennis season was opened last Saturday for the tennis team. A match was played with the Kappa Delt in which our team showed promise.

PI KAPPA PHI

Junior Week is with us again, and all the boys are working hard for their parts in the fraternity events.

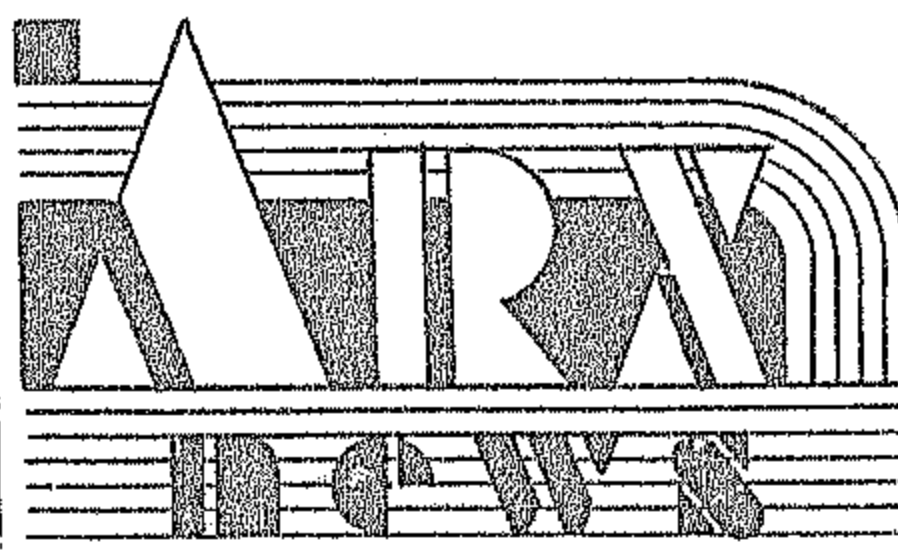
Rho Delta Rho succeeded in defeating us in a hard fought ball game last Wednesday. Brother Doudera banged up his knee at the end of the game and is now in the hospital. We are glad to have back with us Brother Johnson. It looks as though an heir for his crutches has been found, but we do hope that Johnny Doudera won't have to pass them on when he gets through with them.

We wish to commend Brother Hampton on his fine acting as Attorney General in the "Red Robe" given by the Armour Players.

Professor Krathwohl Attends Convention

The sixteenth annual meeting of the Illinois section of the Mathematical Association of America was held May 3 and 4 at the James Millikan University of Decatur, Illinois. Professor Krathwohl was Armour's representative.

One of the most interesting problems heard was an illustrated lecture on the mathematical problems of Boulder Dam by Professor H. M. Westergaard of the University of Illinois. The problem, one of finding the internal stresses, was solved by a set of partial differential equations.



Bill Concolino, one of the junior Arx, was elected captain of Armour's 1936 track team after the last meet of the year. Good luck to you Bill; and we wish you all the success in the world because you deserve it.

Eight mentions and two first mentions were distributed among the junior ARX in the judgment of the "Park Bridge" project. Frank HRACHOVSKY and Joe PFENDT were the recipients of the first mentions, and they deserve commendation. The boys have no project to contend with the rest of the semester; but "MAC", no doubt, will see that they are kept busy with a series of sketch problems.

Chick SCHREIBER, that innocent victim of circumstances, was "pinched" again. (Quite a habit). This time it was for "parking without lights" in Glencoe. A little out of your territory isn't it, Chick? Looks bad. (Still you can't condemn a man for trying to expand.)

Modest Joe KICHAVEN of the sophs had his face lifted, (out of plaster). There wasn't any visible change, but anyway it was worth a trial! Incidentally, these DEATH MASKS are all the rage now; but if you are easily disillusioned don't have one made, for then you will see yourself as others see you.

A much appreciated extension on the rendu of the present Archaeology project was made by Mr. REED, so that its presentation might be comprehensive and also not conflict with the current projects.

Today is JUDGMENT DAY (in capital letters) for a few seniors and just plain judgment for the rest, because this day brings with it the reckoning of the last project of the senior class of '35. The boys are beginning to display the general opinion that it won't be long now. And you can lay any odds that under those tough hides of theirs and down deep in their HEARTS they're saying that they're sorry it's to be all over soon.

Ralph EDMUNDS, massier, dropped the hint here recently that the ARX are going to have two affairs (private) in the very near future. One is to be a smoker and the other a banquet. The banquet is about the only meal of the year the ARX wash down without the aid of Ewald KUK's milk. (We still maintain that that milk is the STUFF that has kept the ARX hale and hearty for the past three years). (This is not an 'adv.)

EAGLE EYE

SIDELINES

(Continued from page 1)
proach. All too frequently the applicant gives as his reason for seeking out the prospective employer the opportunities and promotions which he, himself, hopes, to gain through the contact. Apparently, and obviously to the employer, his interest is solely his own gain, and the benefits which the employer may receive are merely incidental. When analyzed from the viewpoint of the man paying another to do him a service, the successful method of approach is readily seen to be that which extends to the employer a hope for an interest in his welfare.

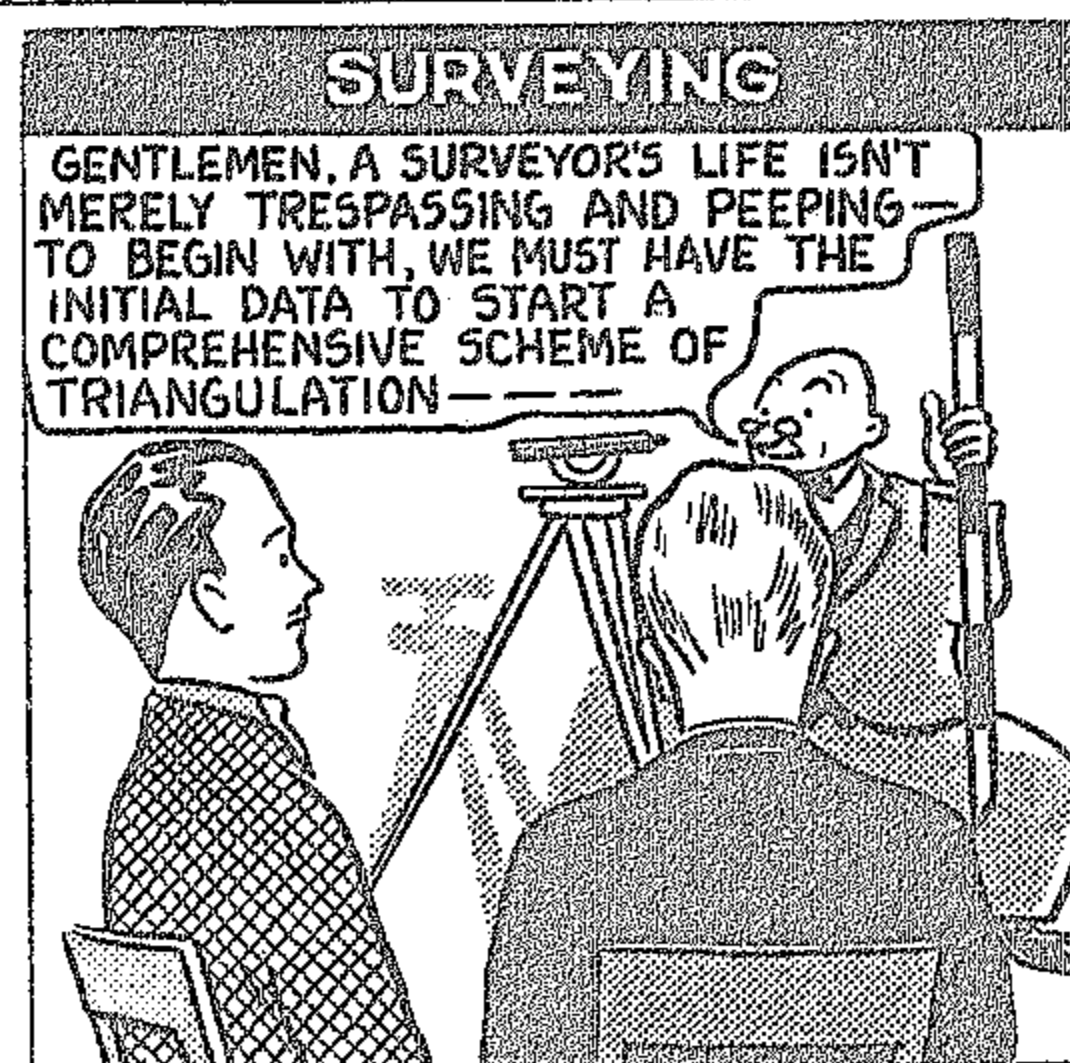
THE SPEAKER extended a plan of campaign for the location of a permanent position of the kind to one's liking and the kind in which one might expect success and advancement. The scheme is not without parallel, for kindred methods have been advocated by others of high authority after extended study of the problem. Smith's proposal does, however, include some new and unique difference all of which have a true ring to them. The campaign, the speaker indicated, ought to begin with a tabulated and rated judgment of one's physical and mental abilities, one's training and adaptabilities, one's experience and likes, and the balancing of the sheet for a decision of what position to seek—remembering the while that "not many general managers are being hired this year." It ought to continue through a selection of firms that might need such a man, the approach to the concern, and the continuous contact of these same people until the position is gained.

A NOTE OF warning was sounded by Mr. Smith when he advised the group against accepting a job just because it was a job. He indicated that any firm unable or unwilling to offer a rate of pay approximating \$125 per month to a college graduate was at best a poor concern to connect with and such positions ought not to be accepted. He advised—if at all possible the graduate should not be too anxious to take the first opening that he found, but rather, that he exercise judgment in accepting an offer.

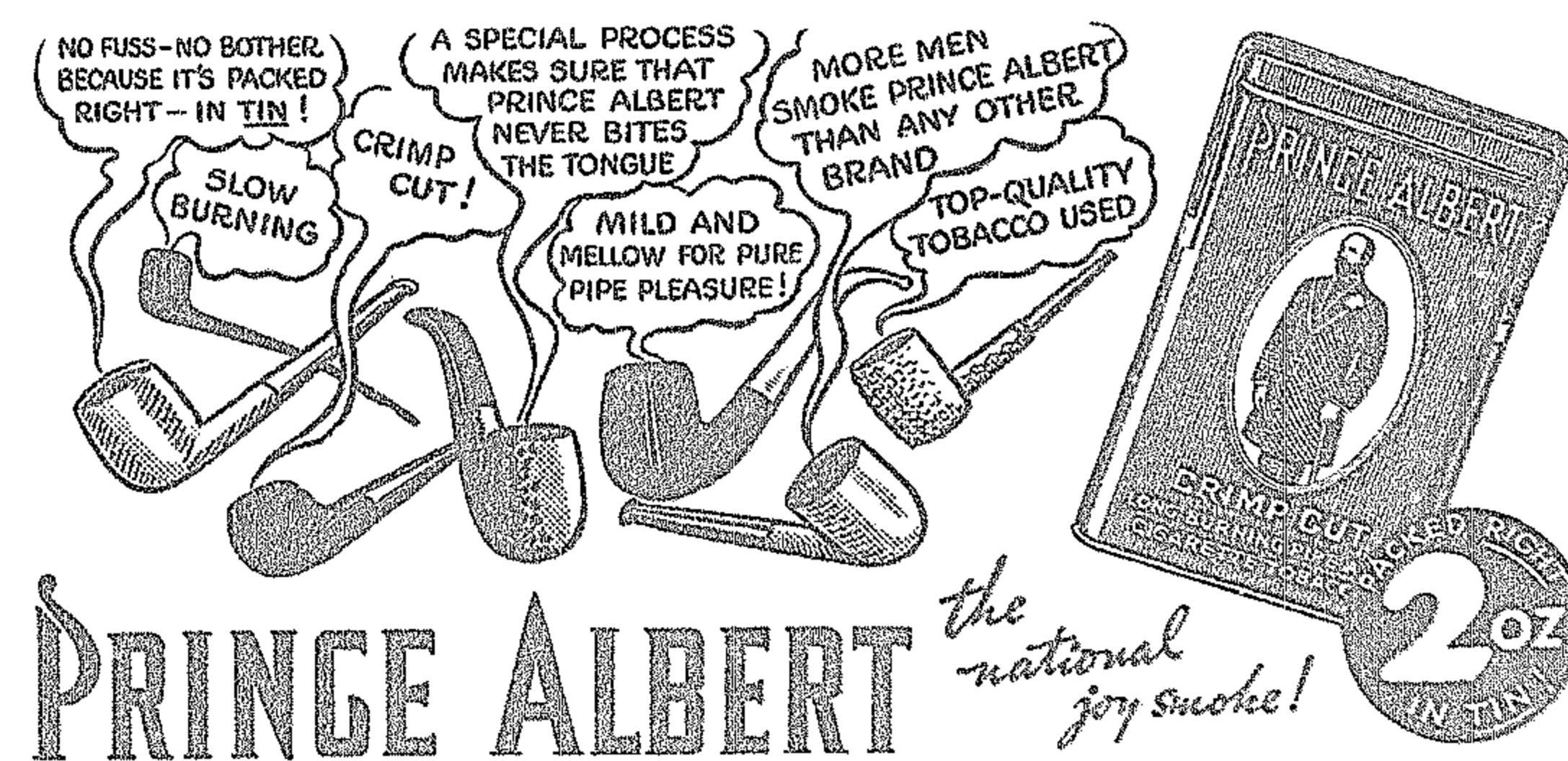
Exception might well be taken to advice suggesting a selective attitude if one gave consideration alone to the rarity with which openings are found in these days of retarded industry. A broader view, taking into account the deplorably small percent of college men who do achieve their goal, should be indicative of the wisdom of selection.

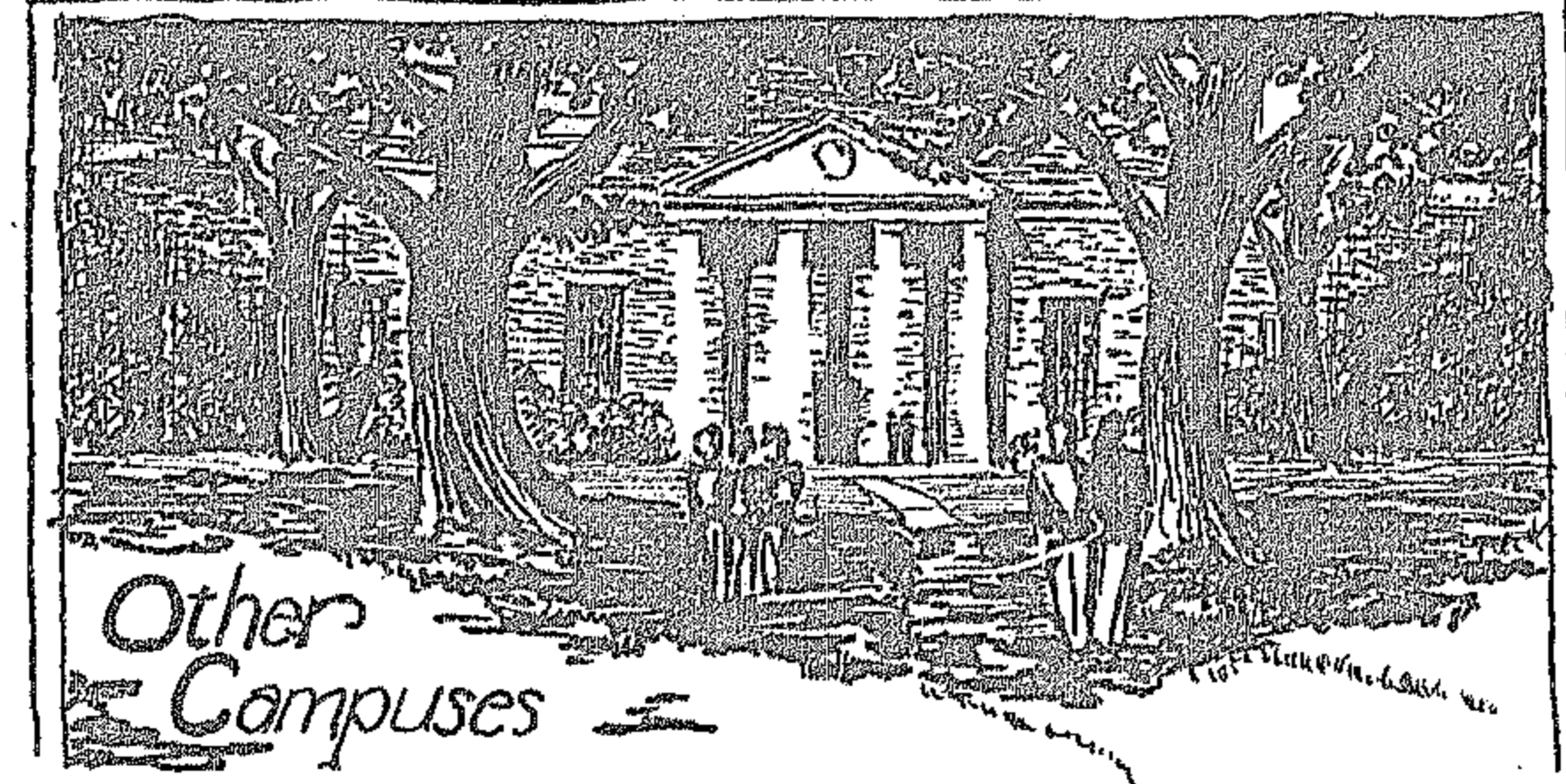
Kahles Is President of Junior Chemicals

Chemalumn, the junior chemicals' organization, held its semi-annual election last Wednesday. John Kahles was elected chairman; A. Ragan, O. Zmeskal, and L. Robbie will fill the offices of secretary-treasurer, social chairman, and athletic manager.



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Other Campuses

By Orville H. Hampton

Joe Maniaci, Fordham University halfback, is faster on the gridiron than his brother, Sam, of Columbia, who is intercollegiate 60-yard sprint champion.

The government of China has decreed that military training in all colleges in Canton, China, shall be compulsory.

The United States has a higher proportion of college graduates than any other nation in the world. There is one graduate to every 44 persons.

Hanover, N. H., the home of Dartmouth College is the ski capital of the world. There are 1,700 pairs of skis in the town.

A duck was given to a sorority member as a valentine. She and her sister flooded the basement and charged a fee to see the duck swimming around.

Vassar was founded by a brewer who wanted to see if women could be educated.

It would take 503 years for one person to complete all the courses offered at Yale.

American students in German universities, it is said, when forced to salute Hitler during demonstrations, raise their hands and shout, "Heel Hitler!"

The Fire Drama First act: The youth had fire in his eyes. Second act: The girl was burning up. Third act: The old man was blazing away.

(Purdue Exponent).

The oldest car on the Ohio State campus is a snappy 1913 Ford roadster, with twin shafts of blazing brilliance furnished by kerosene lamps.

An optimist is a student who lights a match before asking his fraternity brother for a cigarette.

(The De Pauw)

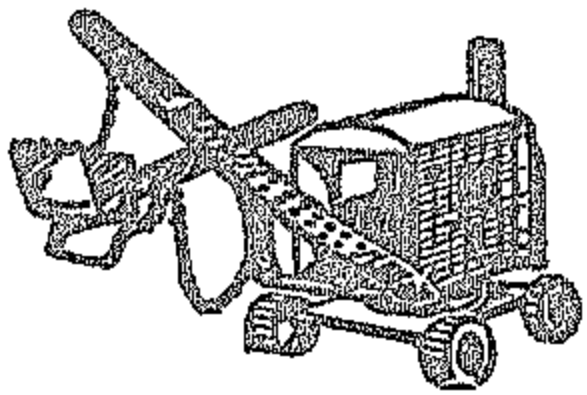
The influence of Popeye, the comic strip character, is being felt even at the school cafeteria at North Carolina State College, where spinach disappears more rapidly from the steam table than any other vegetable.

A college is a place where young people don't let studies interfere with their education.

(De Pauw).

The following ad appeared in the University of Iowa Daily: "Wanted—a burly, beauty-proof individual to read meters in sorority houses—we haven't made a nickel in years."

THE STEAM SHOVEL



Frank Lasker's nifty shiner is clearing up. We wonder when he'll get enough nerve to get it that way again.

Classroom Drama

PROF. SPEARS: "What's a counterweight?"

MIECZ...etc.: "Well...er... ah...you ought to know what a counterweight is, don't you?"

Bill Fogle had his first real engineering job. He instructed a farmer in the type of concrete and the thickness of slab to use for a cattle runway. We hope that he took all of the impact stresses into account.

And along the same line we hear that M'REECE ALEXANDER was implicated in some dirty work again. In fact, his work was even too big for the Steam Shovel to handle.

FAMOUS LAST WORDS about the campus: "Schultz is dead."

OPEN HOUSE

(Continued from page 1)

A. D. T. Company illustrates another recent improvement.

The third and fourth floors of the Main building are the scene of great activity in all the laboratories of the chemical department. Freshman chemistry, shown on the third floor, illustrates the regular work of the students in analyzing many common substances by chemical methods and with the spectroscope.

Show Chemistry Advances

Physical chemistry is conducted by the juniors on the third floor; many of the most recent advances, such as cataphoresis and gatalysis being shown together with basic experiments to determine the properties of liquids, gases, and solids.

An underwater arc is used to make colloids with various metals, while a colloid mill loaned by Stanley Lind, an Armour alumnus, is used to produce emulsions.

Industrial chemistry is being conducted by upper classmen and graduate students on the fourth floor. The manufacture of rubber products and plastics of casein and bakelite will be shown at the south end. Chemical processes and equipment in use will include the destructive distillation of wood and oil with recovery operations, analysis of oil products from the crude oil, and experiments in purifying and clarifying the water supply. Bacteriological examinations are also made; colonies of bacteria being grown from doubtful specimens, and the results of such tests shown under the microscope and with a projector.

The sophomore laboratory at the north end of the fourth floor is conducting experiments on the operations of organic chemistry.

Examples of the applications of these principles are taken from the making of perfumes as well as of paints.

The Department of Mechanical Engineering has brought together an interesting exhibit in the basement of the Main building. Tension, compression, and torsion tests of iron and steel, and compressive tests of heavy concrete blocks are featured. Hydraulic motors are in operation, one demonstrating the cutting of a board with a stream of water. Air circulation, a part of the work in air conditioning, is measured with the large blower and tube.

Test Gas Engines

No one should leave without seeing the Automotive laboratory which is north of Machinery Hall on Federal street. The recently acquired Fairbanks Morse Diesel will be operated in connection with a D. C. generator. A horsepower test is being run on two engines, one, a Buda Special high compression engine operating on various octane value fuels which will be measured not only regarding the oil and gasoline consumed, but the air also. The nozzle used in measuring the quantity of air is tested with a Pitot tube, the precision of this work being shown by the fact that a hypodermic needle with a tube diameter of 1/10,000 inch is necessary in the test.

Another engine in operation will be a Chrysler "8", carburetor adjustments being shown accurately by their indicator on a Moto Vita combustion indicator which measures how efficiently the gasoline has been burned.

The refrigerating plant, set into operation for the first time in five

years, is found in the laboratory at the corner of 33rd and Dearborn streets, one block east of Federal street. The capacity of the plant is 3000 pounds of ice daily, this test run giving the students a chance to calculate the plant efficiency from coal pile to ice can.

Demonstrate Tesla Coil

The assembly hall in Armour Mission houses an outstanding exhibit of the electrical department, the giant Tesla coil, which is used in studying high frequency phenomena. It is used here to create artificial lightning with a spark of six feet. Also in Mission is the exhibit of the newest department, Social Science, in room B on the same floor. Motion pictures of time and motion studies are shown together with the senior report plant layouts.

One of the best shows of the evening is that of the physics department in Chapin Hall south of the Main building and across the street from the parking lot on Federal street. The visitor can play musical notes here by merely putting his hand in the way of a beam of light. The rapidly dancing particles in tobacco smoke are shown under the microscope, while a method of industrial smoke prevention is demonstrated by electric discharges.

Super Short Radio Waves

Super short radio waves having 94,000,000 cycles or pulsations per second are used in the transmitter and receiver in action in this laboratory. The mystifying effects of the thermomagnet operating here seem to be due to electric currents created only by heat, while other unusual effects are shown with liquid air. A model of a rotor ship, using the suction of wind sliding past a cylinder, is also operating.

A visit to the civil filtration plant at 3343 Federal street is well worth while. Four stories in height, it is capable of experiments in all methods of purification used in water-works practice. On the third floor of the Mission building in the drafting room are also being shown drawings of bridges, roof trusses, and buildings, both steel and concrete, together with the collection of transits, levels, sextants, and other instruments.

A collection of wooden bridge models is also on display together with a bascule bridge. The Beggs deformeter gauge is shown as a method of solving the stresses in indeterminate structures, while methods of construction for concrete and steel are shown by motion pictures.

A new feature of the department's exhibit is a telescope set up to show the planets visible during the evening.

Rare Books Displayed

The library on the first floor of the Main building is displaying its collection of rare books on mathematics and scientific subjects together with several historic objects such as George Washington's telescope.

The Architectural Department now has its drawings in the fifth floor drafting room in which mechanical drawings are also on display.

After all this, the evening is far from over. To cap the occasion the junior marshals have arranged a dance in the gymnasium on the fifth floor of Main. A popular south side orchestra of eight pieces led by Nick Wonderlick will play from 9:30 until 12 o'clock. All visitors and students are invited to visit the gymnasium and enjoy this feature introduced last year to allow everyone to end the day right.

Advertisement for Camel cigarettes featuring athletes and the slogan 'SO MILD! YOU CAN SMOKE ALL YOU WANT!'.



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Dick Shelton, world-champion steer dodger, says: "I must be sure the cigarettes I smoke are mild. Camels are very mild—don't get my wind." And those two brilliant golfers, Denny Shute and Helen Hicks, have come to the same conclusion—"Camels do not get my wind."

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TRACKMEN DEFEAT WHEATON; FINALE IS WIN FOR STAGG

Roberts is High Point Man; W. Concolino New Captain

A GOOD FINISH

Wheaton College visited the local track last Friday and enabled Armour to end the season successfully when they fell victims to the Tech onslaught, 71½ to 54½.

Captain John Roberts, competing under Armour colors for the last time, was high point man for Tech with 16 points. Neal totaled 9, while Kulpak and Dunbar accumulated 8 apiece to follow in the scoring column.

The visitors were outclassed completely in three events, the century dash, the high hurdles and the high jump. Dunbar, Neal, and Neuert monopolized the dash; Fleig, Roberts and Rosen, all Techmen, finished the highs in that order; and Kulpak, Thornton and Bejcek called it a three-way tie in the high jump after eliminating all opposition.

The 220-yard dash furnished the keenest competition, with Neal and Dunbar, both Techmen, being featured. The latter was leading until the last five yards, when Neal caught up with him and broke the tape a chest hair ahead of his teammate.

After the meet, the members of the track team convened in the field house with Coach A. A. Stagg Jr. presiding. Coach Stagg took occasion to congratulate the men as he faced an Armour team for the last time—he will take over the duties of the athletic director at Susquehanna University next fall.

The election of Bill Concolino as captain of the squad for the next season, by the team members, terminated the season's activities—and Coach Stagg's tenure of office.

100 yd. Dash—Won by Dunbar (A.); second, Neal (A.); third, Neuert (A.). Time—:10.3.

220 yd. Dash—Won by Neal (A.); second, Dunbar (A.); third, Peterson (W.). Time—:21.5.

440 yd. Run—Won by Peterson (W.); second, Rigoni (A.); tie for third, Benson (W.) and Friede (A.). Time—:55.0.

880 yd. Run—Won by Nelson (A.); second, McShane (W.); third, Tuma (A.). Time—2:07.

1 Mile Run—Won by Hayes (W.); second, Loux (W.); third, Lindeman (A.). Time—4:54.

2 Mile Run—Won by Rejmer (W.); second, Faust (A.); third, McShane (W.). Time—10:45.

100 yd. Low Hurdles—Won by Roberts (A.); second, Rosen (A.); third, McDonald (W.). Time—:12.0.

100 yd. High Hurdles—Won by Fleig (A.); second, Roberts (A.); third, Rosen (A.). Time—:13.0.

High Jump—Tie for first, Kulpak (A.), Thornton (A.), and Bejcek (A.). Distance—5 feet 5 inches.

Broad Jump—Won by Nelson (W.); second, Kulpak (A.); third, Neal (A.). Distance—20 feet 6 inches.

Pole Vault—Won by Romein (W.); second, Concolino (A.); third, Ogan (W.). Height—12 feet.

Shot Put—Won by Watson (W.); second, Roberts (A.); third, Simpson (W.). Distance—37 feet 2 inches.

Discus—Won by Roberts (A.); second, Simpson (W.); third, Ogan (W.). Distance—116 feet.

Javelin—Won by Ogan (W.); second, McDonald (W.); third, Watson (W.). Distance—157.85 feet.

Tech Trackmen Lose In Three Way Meet

A double defeat by Milwaukee State Teachers and Loyola University hardly fattened the Tech track record when the above schools met in a three way meet last Tuesday at Loyola field.

The Teachers completely outclassed both other schools, beating Armour by a 98½ to 27½ score. Incidentally, this is the "big" defeat of the current season.

The Loyola meet, however, proved to be one of the most closely contested of the season; the final tabulation being: Loyola 63, Armour 61.

Milwaukee State captured every first place except the 120 yard high hurdles, which Captain Johnny Roberts won. Roberts placed second in two events and third in two others to score a total of 13 points, half of his team's total.

Johnny was also the star of the Loyola meet, tallying 19 markers. Don Neal followed with 13, and Faust scored 10 to finish third in the Armour scoring column.

LATE NEWS!

MAKING THREE HITS yield three runs in the eighth, Armour broke a 2-2 tie to lick Wheaton last Saturday. Two good measure counters in the ninth made the final score 7-2. Baumel started, gave seven hits, yielded to Dollemmaier with bases full in the seventh. Dolly quelled the rally and went on to strike out four of the seven men he faced in finishing. Armour touched Kjelstad for nine hits.

ON THE WEEK end trip to Indiana, the tennis team took a 4-3 victory from DePauw but lost 5-2 to Indiana teachers at Terre Haute.

The golfers, also on tour, shot very fancy golf to tie the Teachers, 9-9. Capt. Davidson led with a 76, while Shanahan, Richards, and Ahern carded 79, 80, and 83 respectively.

The point totals of the current track season are herewith offered:

| | |
|-------------|-------|
| Roberts | 114. |
| Neal | 87.75 |
| Nelson | 59. |
| Faust | 51.25 |
| Dunbar | 37.5 |
| Rigoni | 26. |
| Concolino | 25. |
| Thornton | 23.5 |
| Kulpak | 21.83 |
| Fleig | 19. |
| Bristol | 17. |
| Neuert | 14.5 |
| Rosen | 12.25 |
| Bejcek | 7.33 |
| Friede | 7. |
| Tuma | 7. |
| Lindeman | 5. |
| Hevrdejs | 5. |
| Engleschall | 3. |
| Harrold | 2.25 |

Major award winners are Captain Roberts, Neal, Nelson, Faust, Dunbar, Rigoni, Concolino, Thornton, Kulpak, and Bristol. Minor letters were won by: Fleig, Neuert, Rosen, Bejcek, Friede, and Tuma.

JUNIOR WEEK—

(Continued from page 1)

during the week or of the unofficial entertainment which will be provided by the freshmen and the sophomores. But on Circus day that spirit will be manifest at scheduled hours, beginning in the morning when the beard growers will be judged, and ending in the afternoon with that super-spectacle of colliding forces, the soph-frosh rush. In between, if the under classmen can be persuaded to keep the peace, will come the inter-fraternity pageant.

New Features This Week

Besides the beaver contest, there will be a number of other new features on this year's Junior Week program. These include a tug of war and a medley relay race between the juniors and seniors. The events of the latter include a lap run backwards, a three legged race, a potato-sack race, a sprint, and a quarter mile run.

Beginning tonight with every spectacular activity of the school on display, and incidentally with dancing in the gym, ending next Friday with the biggest dance of the year, and including in between everything from unofficial bon-fires to the spectacle of dignified faculty members in a soft-ball game with still more dignified seniors, Junior Week, carnival week for Armour, is under way!

McCormack Presents Paper on Laboratory

On Thursday and Friday, Professor Harry McCormack, director of the Chemical Engineering Option, will present a paper on, "The Objectives of a Chemical Engineering Laboratory Course," before the Symposium on Chemical Engineering Education to be held at the Drexel Institute in Philadelphia.

BALL SQUAD LOSES OVERTIME TO NO. CENTRAL! EXTRA!

After a 16-3 whipping, Armour's ten inning loss to North Central is comparatively remarkable—yes, to North Central! The Techmen fought scoreless for three innings, led 1-0, and ended the ninth neck and neck at 3-3. Then came the tenth and hopes popped; Armour 3, North Central 5.

"Dapper Dan" Delve, pitching his second game of the season, hurled fine ball, besides collecting two hits and driving in one of Armour's runs.

Opening hostilities in the first, the Techawks, led by Wagner and Omiescinski, scored a run when Adamec's lusty wallop to center pushed Wagner across the plate. "Lefty" Wentlandt promptly squelched this uprising by fanning Shewchuck for the last out. Armour cashed in again in the fourth when Delve's smash to right center scored Bartusek, the catcher.

North Central showed their teeth in the seventh by squeezing out two runs on a double by Makar and a single by Smith, which, coupled with their lone tally in the third, put them in the lead, 3-2.

The Techawks came back with vengeance in their half when Seidenberg, pushed a single to center, stole second, and galloped to third on Wagner's single through third. A perfectly executed double steal sent Seidenberg tearing home with the tying run. Adamec walked and Phillips popped to third to end the inning. From then on the dead-lock remained unbroken until the tenth, when singles by Dieber and Young, a walk, and an error brought home two runs for North Central, clinching the game—pinch hitters Dollemmaier and Kossuth both being unable to reach Wentlandt for a possible comeback.

BOX SCORE

| N. Cent. (5) | A.B. | R. | E. | P.O. | A. | E. |
|-------------------|------|----|----|------|----|----|
| Smith, ss. | 5 | 2 | 0 | 1 | 1 | 1 |
| Grover, lf. | 5 | 0 | 2 | 0 | 0 | 0 |
| Dieber, cf. | 5 | 1 | 2 | 1 | 0 | 0 |
| Young, 2b. | 4 | 1 | 2 | 1 | 2 | 6 |
| Spiegler, rf. | 5 | 0 | 0 | 1 | 0 | 0 |
| Dillon, c. | 3 | 0 | 0 | 18 | 0 | 0 |
| Yuknis, 1b. | 4 | 0 | 1 | 7 | 0 | 1 |
| Makar, 3b. | 2 | 0 | 1 | 1 | 0 | 0 |
| Wentlandt, p. | 4 | 1 | 0 | 0 | 4 | 0 |
| Totals | 37 | 5 | 8 | 30 | 7 | 2 |
| Armour (3) | A.B. | R. | H. | P.O. | A. | E. |
| Seidenberg, lf. | 4 | 1 | 1 | 1 | 0 | 0 |
| Wagner, ss. | 5 | 1 | 1 | 1 | 2 | 1 |
| Omiescinski, 1b. | 5 | 0 | 1 | 0 | 0 | 0 |
| Lauchisickis, 2b. | 3 | 0 | 0 | 2 | 4 | 2 |
| Adamec, cf. | 2 | 0 | 0 | 5 | 1 | 0 |
| Shewchuck, rf. | 2 | 0 | 0 | 0 | 0 | 0 |
| Phillips, cf. | 3 | 0 | 0 | 2 | 0 | 0 |
| Bartusek, c. | 4 | 1 | 0 | 7 | 2 | 2 |
| Dunne, 2b. | 3 | 0 | 1 | 3 | 2 | 0 |
| Delve, p. | 4 | 0 | 2 | 0 | 4 | 6 |
| Kossuth | 1 | 0 | 0 | 0 | 0 | 0 |
| Dollemmaier | 1 | 0 | 0 | 0 | 0 | 0 |
| Totals | 37 | 3 | 6 | 30 | 15 | 5 |

Golf Team Defeats Beloit Squad, 12 to 0

Pepped up by a nice trip to Wisconsin, the Tech golfers were determined to strut their stuff and did same to the tune of a 12-0 win staged at the Beloit Municipal golf course against Beloit College on a week ago last Saturday.

Bill Ahern was head man with a low score of 80; he picked up ten pars and shot the second nine in two over par. Larry Davidson, Jack Shanahan, and Frank Davidson turned in 82, 83, and 84, respectively. The Beloit men failed to score a single point and the match was Armour's, 12-0. Coach Bibb's boys certainly went to town, the team as a whole garnering 27 pars and three birdies.

Softball Tourney to Open Week's Sports

Officially Junior Week started today, but the real events begin tomorrow morning at 9:30 with the junior-senior softball game. That is only the first of a long list of sports events including a double-header with Elmhurst, the pentathlon, interclass and interfraternity track meets, and a tennis match with Wheaton.

Last Friday the baseball teams of the various classes were out getting into shape, all of them having definitely decided that they were going to win—fast ball pitching. The freshmen have a squad that looks as if it might come out on top of the finals Wednesday, if their pitchers, Downing and Malmfeld, don't blow up.

Rho Delts to Finals of Frat Ball Games

Last Thursday the Rho Delta Rho nine qualified for the Interfrat baseball finals by beating the Phi Pi's by a 3-1 score. Sam Taradash bested Dave Forberg on the mound, in the tightest of the games thus far. Another close battle was the 8-7 win the Rho Delts copped from Pi Kappa Phi—formerly Beta Psi—to advance to the semi-finals.

Results as bracketed, first round: Phi Kappa Sigma—16. Theta Xi—12. Delta Tau Delta—8. Triangle—10. Phi Pi Phi—18. Kappa Delta Epsilon—0. Rho Delta Rho—8. Pi Kappa Phi—7.

Entries in the interfrat track meet are due at 2:00 p. m. Wednesday. The meet begins at 9:30 Thursday morning, with four men per house permitted in each event.

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