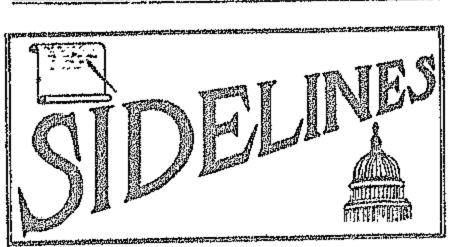


Vol. XV. No. 11.

Armour Institute of Technology, Chicago, Illinois

Tuesday, May 7, 1935



By Paul Schultz

The question which has been preeminent in the minds of the American people for the last four or five years still holds its place. "Is prosperity just around the corner? Are we on the road to recovery?" Every person in every position of life has his own private opinion. Some industries have almost recovered their former standings and naturally the people connected with these firms can earnestly say that we are on the road back. In contrast, there are those industries which have not come back, but which seem to sink lower and lower. Applying the same question to their workers evokes a negative answer.

As in all disputes, both sides are partially correct. We are on the road to recovery, but the climb is hard and gradual. Inventories in all lines are low, year end statements reveal, and the demand for new merchandise will necessitate in creased production. Distribution, both retail and wholesale, continued to show a 10 per cent to 15 per cent increase over last year. It has been estimated that total retail sales in 1934 reached the highest figure since the 1931 figure of about 29 billions, as compared to 25 billions in 1933. The South and the Southwest took the lead in sales increase, followed closely by the middle western states, where farmers' bonus payments and increased commodity prices were a big help.

The automobile industry has reached a new peak. The demand for new cars cannot be met readily, end the lower priced cars are being rushed out at top speed. This is naturally the time of the year for increased activity along this line, but the pick-up this year is greater than usual. Moreover, steel profor the last few months. The rate of output has increased materially over the value of this time last year. The banks are in shape to finance whatever expansion of business may held. be ahead. Their excess reserves rose to the highest level on record in the middle of January. Notwithstanding this, they are still cautious in making loans. The negative side has a reply to this answer by saying that the price of goods has gone (Continued on page 3)

Math Club to Hear Mark Dannis Friday ious slate.

Various types of non-Euclidean geometry will be discussed by Mark Dannis at the Math Club meeting to be held at 10:30 Friday in Science Hall. There are several systems which are built on other axioms ther those used in the system with which we are familiar. They all use the same type of reasoning, but lead to different results due to the differ- Plan Refreshments ences in the fundamental assumptions.

The last meeting was addressed by Professor W. M. Davis on the subject of statistics. The talk was so well received that some of the fellows expressed a desire to take the course in mathematics of statistics next year.

Delta Tau Delta Has New Rooms

33rd street, and is now busy decorat- es for the evening.

ing and furnishing these quarters. spices of the committee on fraternity A group of songs and pieces by the trackmen a better chance. The events the sophomores and freshmen kill affairs, of which Professor D. P. | Glee Club and Orchestra, an inter- | included will be the 100-yard high | off their grudges by removing each Moreton is the chairman. This com- mission during which the fraternities hurdles, 100-yard dash, half-mile, others' articles of clothing under mittee is trying to work out a plan | will hold their sing, and honor cy- broad jump, and the shot put. These | the mask of a contest. All the events whereby all or most of the social fra- cles will be awarded, after which five items offer the best variety to have been planned to make this one ternities can be accommodated in this the second group of numbers will test man's all-around ability. Gold week in the year the best ever, and

(Continued on page 4)

Plan Revision of Armour Engineer

The reorganization of the Armour Engineer to interest alumni as well as students is the subject being considered by a committee formed at the last staff meeting of the publication.

Involves Large Circulation Increase Professors Moreton and Schommer are representing the alumni in this plan which is hoped to bring the magazine's circulation to 3000 by distribution to alumni of Armour. Also on the committee are Mr. Allison and Professors Heald and Hendricks in behalf of the Institute, while the student body is represented by H. P. Milleville and H. S. Nachman of the Engineer staff.

The subject matter of the Engineer would include articles by promment alumni and news of the achievements of the men of Armour. It has been pointed out that grad- engaged. uates of the Institute have succeeded not only in engineering but also in such diverse fields as astronomy and play writing.

May Change Form

is also under consideration, since a tures to be used.

Although free distribution of the their magazine, the financial side of part'ally self supporting.

Fugineer, to be issued during Junio Week, is not being planned for such wide distribution, but is featuring interesting student articles.

Sophomores Choose Junior Week Leaders

tively during Junior Week, the soph- G. Ormsby, R. Paulsen, F. L. Smith, omore class held a meeting on Friday, and E. Wolniak. duction has been expanding steadily May 3. After a short discussion of the plans and schedule of the events for Junior Week by R. A. Peterson, junior marshal, elections of can tains and leaders for the week were

the rush leader was elected for the rology Progress and Its Implicacrowning event of Junior Week, the tions." Frosh-Soph Rush. Under the able leadership of the men elected, the social science classes of the schools. sophomore class expects to sweep through Junior Week with a victor-

After the election of leaders, Oreste Tomei, social chairman, discussed the plan for a dance to be held either on the night of the final exams, June 10, or the next day, June 11. It is planned to have the dance sponsored jointly by the freshman and sophomore classes.

for Annual Concert

Club will act as sponsor for the an- has anounced that this year there track. As awards, the winning internual Spring Concert presented by will be awards given to the winning class team will be given sterling silthe Musical Clubs, and the Fraterni- team of the interclass baseball ver shoes, while the best fraternity ty Sing. An important departure games. As yet it has not been de- team will be privileged to hold the from past years will be made in that, | termined whether there will be a traveling cup until next year. after the concert, light refreshments | ruling against fast pitching; some will be served in the faculty grill classes prefer it while others do not. To climax the week a brand new and student union. This is intended A meeting of the assistant marshals event has been added to the calento be a general social affair where will be held tomorrow with the base- dar. It is dubbed the junior-senior students and their friends may meet | ball captains in the Tau Bete rooms | medly race and will have five parts: Delta Tau Delta fraternity has faculty members and their wives. and a vote taken to determine the a sprint, a distance run, a threemoved from its home on Michigan Mrs. Hotchkiss, Mrs. Erickson, Mrs. preference. The winning team will legged race, a wheelbarrow push avenue into a new suite of rooms in | Heald, and Mrs. Leigh of the Fac- | be awarded medals to commemorate | and a potato-sack race, all run off the building just east of Mission on ulty Women's Club, will be hostess- their victory.

The move was made under the au- will be similar to that of last year. divided into two groups to give non- be the annual class rush, in which building. If the plan materializes, the be given. The reception will be held and silver awards will be given to one that will be remembered long after the concert.

SOCIAL FESTIVITIES

Chosen As Site for Affair

CARL SANDS TO PLAY

Armour's foremost social event of the year, the annual Junior Formal, will be held this spring at the Oriental Ballroom of the Knickerbocker Hotel, Walton place, just east of affair, which is always the climax of Junior Week festivities, is May 17,

Ballroom Is Unusual

The Oriental Ballroom, where the the event of warm weather.

magazine is being considered to in- 10:00 p. m. a special eight-course that organization in the negotiations, terest the alumni in making it more dinner, prepared by the Knicker- was also present. Ten undergraduate bocker's well known chef, will be members of Omega chapter at Purthe program is being balanced by served. The rhythm for the occasion due University performed the ritualthe increased possibilities of adver- will be furnished by an eleven-piece istic work. tising, thus making the publication orchestra under the direction of Carl Sands, who was pianist at the time The forthcoming edition of the when the organization was led by Clear Practice Range Stan Norris.

> Bids this year will cost \$4.00. Those desiring to obtain a formal outfit should see George Ormsby, who is distributing cards which will entitle the holder to rent a complete outfit, excluding shoes, for \$2.50.

The committee of the junior class, which has completed the details of the In order that the class of '37 may dance, consists of Don Graham, function more efficiently and effect chairman, D. Howell, I. M. Hughes,

Heald and Dutton Talk Before Schools

Amid great secrecy and hubbub, Professor Dutton will talk on "Tech- has killed a deer and other game.

Beta Psi Merges with Pi Kappa Phi

With the merging of Pi Kappa Phi and Beta Psi national fraternities on April 20 and the chapter installation and initiation of 26 members of Beta Knickerbocker Flotel Is chapter of Beta Psi into Alpha Phi chapter of Pi Kappa Phi last Saturday and Sunday, Pi Kappa Phi, national social fraternity is now represented on the Armour campus. Pi Kappa Phi, founded at Charlestown, South Carolina, in 1904, now has a rell of forty chapters.

Merge After Year's Work

The merger at this time is the culmination of over a years work by the Michigan boulevard. The date of this officers of both organizations and comes only after careful and comprehensive invesigation on the part of and because of its success at the each fraternity. The satisfactory Junior informal dance held earlier in completion of the merger is evidence the year, the same orchestra has been of the strong position of the Armour

National Officer Present

Albert W. Meisel, national presidance will take place, is one of the dent of Pi Kappa Phi, who. prior to most unusual in Chicago. Among its his resignation last November served unique features is a center dance four years as vice-chairman of the The present form of the magazine panel of glass which is illuminated National Interfraternity Conference, from beneath by subdued lighting. was present at the initiation cerelarger sized page has some desirable | An artificial cooling system will pro- | monies Sunday morning and the infeatures such as allowing more pic- | vide a comfortable atmosphere in | itiation banquet Sunday noon. Howard D. Leake, executive secretary of Dancing will begin at 9:30, and at Pi Kappa Phi, who has represented

for Armour Archers

The newly formed Archery Club | ning. will soon practice on a range of its own which is now under the process of construction a short distance to We north of the auto leberatory. The club is now composed of ten members, six of whom are old hands at the game.

held tomorrow in the assembly hall, and all who are interested are in- quet. vited. The only restriction on membership is that prospective members must furnish their own equipment.

Professor Hendricks and Profes-Dean Heald and Professor Dutton | sor Fulghum have expressed an in-E. Bodenmann was elected to cap- | are to talk at each of the three city | terest in the organization, which is tain the soph baseball team, while junior colleges this coming week, headed by Harold Meyer, who is ex- Eleven Men Initiated J. Hevrdejs, and K. Carroll were Dean Heald will speak on "Vocational perienced both at target shooting elected co-captain of the track team. | Opportunities in Enginering," and and in hunting with the bow. He

> The first meet will not occur until next semester; thus the team has The talks will be given before the ample time to get in excellent con-

Junior Week Will Afford Variety of Sports Activities and Other Events

the greatest sports program ever their applications in to Jess Kremer brought together. Besides the regu- or Ray Peterson by Monday, May of the fraternity were also present lar baseball games, the pentathlon 13, as the events will be run off on to assist in the ceremonies which and the interclass relays, there will the day following at 1:00 in the were held in the new rooms which be added a novelty junior-senior afternoon. farce race to bring the week of On Wednesday and Thursday of eral st. Decoration of this suite, annual frosh-soph scrap. Awards for Baseball

Another big feature of the week a huge tug-o'-war will be held. the winners in each division. Those after the others.

This year's junior week will have | men wishing to enter must have | helm.

sports to a climax just before the the week the interclass track and the site of the former Civil Museum, interfraternity relays will be held. was accomplished by the initiates. Each team will be made up of four This year, the Faculty Women's | Ray Peterson, junior marshal, men who will go once aroun!

New Feature to Add Humor in the form of a relay, after which

The arrangement of the program will be the pentathlon, which will be And to finish the week there will

AND SATURDAY FRIDAY

Armour Group Will be Assisted by Six Guest Actresses. Most of Whom Are From Hull House Players

LIMITED NUMBER OF SEATS REMAIN

There will be a meeting of all reporters and members of the editorial stuff of the Armour Tech News today, Tuesday, May 7, at 12:20 in the publications office.

There will be a meeting of Tau Beta Pi in the Tau Beta Pi rooms tomorrow at 12:20 p. m.. All active members of the chapter are urged to be present.

Date for Alumni Dinner Is June 4

Alumni, trustees, faculty, and the senior class of '35 will be present at the annual spring alumni banquet to be held June 4, at 6:30, in the Medinah Athletic Club building. Two well known Chicago columnists will speak at the banquet, Warren Brown of the Herald Examiner, and Arch Ward of the Tribune. J. D. Cunningham, chairman of the board of trustees, and W. E. Hotchkiss, president of Armour Institute will speak on the program. The 100 members of the Armour Tech Musical Clubs will present several numbers during the eve-

J. J. Ahern, '35, will be given the high point award given annually by the alumni association, to an outstanding senior. This award is based him on high scholarship and prominence m extra-curricular activities. championship relay team consisting lows: A short business meeting is to be of Dunbar, Neal, Nelson, and Neuert, will also be honored at the ban-

The price-\$1.25-includes tax and tip. Reservations must be made in advance by phone or by mail with J. J Schommer. Phone Victory 4600 or address 3300 Federal Street, Chicago.

fessional chemical fraternity, an- PlacatFrancis Popper Thursday of four juniors and seven Etchepare's Mother ... Gladys Rorem sophomores. The four juniors se- | Madame Vagret Helene Iarussi lected were J. H. Johnson, H. P. Madame Bunerat ... Beatrice Palucci From the sophomore class were chos- | Catialena Camille Iarussi en H. O. Bauermeister, H. L. Bliss, J. A. Haase, F. B. Harman, W. F. Schreiber, P. R. Schultz, and B. Wil-

A number of graduate members the fraternity secured at 3339 Fed-

THIS WEEK Tuesday, May 7, to Monday, May 13

Tuesday Track: Armour at Loyola; Afternoon.

Wednesday

Archery Club; Assembly Hall; 12:30 p. m. Baseball: N. Central at Armour; 3:30 p. m.

Thursday

Chicago W. S. E.; Engineering Bldg.; 7:30 p. m.

Friday

Math Club; Science Hall; 10:30 Society Meetings, 10:30 a. m. Saturday

Baseball; Armour at Wheaton; 2:30 p. m. Track; Wheaton at Armour; 1:30 p. m.

Monday

OPEN HOUSE NIGHT!

Realizing their ambition of producing a full length play with a mixed cast, the Armour Players are presenting "The Red Robe" this Friday and Saturday evening at 8:15 p. m. in the Mission auditorium. Six guest actresses are taking the feminine roles. They with all the members of the drama group have been working diligently for the past several weeks to make this annual spring production a success.

Play Highly Commended

The director of the Armour Players, Professor Hendricks, said, "The student body has received the work of our group so favorably this semester. that we have been encouraged to attempt larger and better productions. I know that all those who will attend our playbill this week-end will agree that the organization has succeeded in its efforts." The "Red Robe," a four-act play by Eugene Brieux, has been crowned with the highest honors by the French Academy of Art. Its plot deals with problems of the French court and is highly dramatic with intrigue and excitement.

All seats are reserved and tickets may be obtained in the lobby of the main building for thirty-five cents. According to William Emmerich, the business manager, there is only a limited number of seats left and all those intending to see the play we urged to purchase tickets immediate-

Guests and members of the Players who are in the cast are as fol-

Persons of the Play

MouzonSydney Miner VagretJohn Styrsky EtchepareMichael Pantone LaBouzuleSidney Kreiman BuneratAlbert Schrieber Attorney-General . Orville Hampton President of the Assizes.. Al Kulpak Delorme Stanley Bernstein Into AlphaChi Sigma ArdeuilRaymond Kliphardt Alpha Chi Sigma, national pro- ClerkRichard Weissman (Continued on page 3)

Pi Tau Sigma Elects Five for Membership

Five juniors were initiated last Thursday by the Armour Chapter of Pi Tau Sigma, honorary mechanical engineering fraternity. The men who were chosen for their outstanding work in the department are E. P. Auler, D. E. Howell, A. M. Lane, A. H. Rice, and F. L. Smith.

A banquet, attended by faculty and active members of the fraternity, was held in the Faculty Grill before the initiation, which was held in the Pi Tau Sigma rooms.

Trustees to Discuss New Site for School

With the question of a new site for the school expected to be the principal topic of discussion, the Armour Board of Trustees will hold its regular spring meeting next Monday, May 13.

A brochure detailing the possibilities of the property at Erie street and Lake Shore Drive, which is now partially under option to the Institute, has been prepared by Dr. Hotchkiss and is new in the press. It is hoped that it will be ready in time for the meeting.

Armour Tech News

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Vol. XV. MAY 7, 1935

The "Engineer"—and Something Else

Announcing that consideration is being given to a plan for widening the scope of the Armour Engineer, an article of great importance to every Armour student appears in this week's News. The Armour Engineer has long been a source of considerable puzzlement to many of us. We line up eagerly to receive our copy on its publication date; we admire the bright new cover; and we skim through an interior obviously the product of much patient care. But somehow, we don't ever seem to get around to reading it.

The members of the new managing board of the Engineer now propose to do something to give their publication a little more interest to its readers. And it is obvious that if they succeed in making it of interest to 2,000 alumni, they will have taken care of its student readers as well.

However, although we may anticipate from the proposed changes in its form a considerably more readable *Engineer*, we must not lose sight of the advantage a quarterly publication reaching all of Armour's alumni would be to the school. The whole idea is a fine one, and Harry Nachman and Howard Milleville, who head the new Engineer board, are to be congratulated for their progressive spirit in championing it.

Today, the entire student body, theoretically, becomes acquainted with the proposal to revamp the Engineer. What will its reaction be? Sad, indeed, to tell, but there is little difficulty in answering that question considerably in advance. Student reaction will be neither positive nor negative, rather it will be nil.

Armour sometimes appears to harbor in its bosom as phlegmatic a group of young men as could be assembled anywhere. They take no interest in their athletic teams; a bare fourth of them are able to tear themselves away from their pinochle or report writing to do honor at a muchheralded assembly to those who have represented them on the playing field. Their interests are not cultural; so vital a question as whether or not they are to be soaked fifty cents for an annual musical concert can evoke even an expression of opinion from less than a third of them. They care hot for politics or world events; peace strikes and red uprisings rage about them while they knot their brows over calc problems. The tiny voice of the Tech News attempts to arouse a little feeling, anywhere, of any kind, about anything, and the best it can do is draw poisoned cuppa cawfee." darts frow a few social committee members whose own corns have been slightly stepped on.

Well, we've stepped on everybody's corns now, and if the student body is not really and truly as lifeless as it seems, we shall, at any rate, get a few letters to the editor this week without having to assign a reporter to write them.

"The Slipstick"

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

"No, Dora, 'The Red Robe' is not what Little Red Riding Hood wore.'

Armour Men may get flying course, reads A. T. N. our annual Founders Day Banquet headlines. As if all the courses here don't keep us up in celebrating the granting of a charter the air.

Three hours of math, an hour of chem., No sleep, and then a quiz. To be an Armour Engineer This weary lot was his. He studied long, he studied well, .He studied all night through. He thought it wrong, he thought it hell That this he had to do. Then came the dawn, he went to class, He took one final look. His luck was gone, he didn't pass, He'd studied the wrong book.

SPRING FEVER

If you turn the page over to read this, you haven't

An Armour freshman wanted to sue a doctor who operated on his father, for opening his mother's male.

Guy: Is that candy pure? Druggist: As pure as the girl of your dreams. Guy: Gimme a package of gum!

To live, that when thy summons comes to join The innumerable caravan that moves To those hallowed halls where each shall take His rightful place in that lofty realm of Thespis. Thou go not like the quarry slave at night, Scourged to his dungeon, but, sustained and soothed term: Ry an unfaltering trust, approach the usher-Showing thy thiry-five cent epistle of admission, Lest thou be heaved upon thy ear, and thus Misseth THE RED ROBE.

By William Cullen Bryant and E. J.

Doubtful.

"I once sold my most embarrassing moment to the Daily Bugle for \$2.00."

"Have you had any more since then?" "Oh, yes. There was the one when my wife found it in the Daily Bugle,"

The reason that some houses are so damp is that there is so much due on them.

VOICE OF EXPERIMENT

Dear Voice of Experiment:

Can a man tell if a woman loves him?

Dear Doubtful:

No. 11

Yes, but he'd be a darn fool if he did.

Did Mike Pantone really kili old man Goyetche? See "The Red Robe."

"There was a hanging at the jail the other day but they couldn't find the rope. While they were waiting all the prisoners started singing."

"How touching. They sang some hymn, I suppose." "No. They sang 'The Lost Chord'."

What does Sydney Miner know about Pantone's girl friend? See "The Red Robe."

ANOTHER THING THAT COVERS A MULTITUDE OF SINS IS A TABLOID REPORTER.

> Believe It Or Leave It This Armour student loves to work, His duties he will never shirk. He likes to spend long hours in lab., About assignments he won't crab. You ought to see him do his trig, His math with him goes over big. He even likes a long exam, Long hours for it he will cram. All night long at Chem. he'll go, He prefers it to a show. In classes he is sure a wow, He knows the answers, boy and how! He turns in papers by the ream, That's no student—that's a professor's dream.

Where did Professor Hendricks get that lipstick on his collar? See "The Red Robe."

> First Pickpocket: Watch out Bill? Second Pickpocket: Yep. Now for the wal-

He came in and sat down alongside of her. He was a clean-cut, athletic, good looking young chap. She smiled at him. The place was deserted. In a low tone he said, "Please give me what you gave me last night." She hesitated, looked wildly about her and then in a loud voice suddenly called out, "Sunnyside up on toast anna

Junior: I just got a check from home. Senior: Pay me the five dollars you owe me. Junior: Wait 'till I tell you the rest of my dream.

Are all politicians dumb? See "The Red Robe."

CON-FU-TSE.

Fraternity Notes

DELTA TAU DELTA

Delta Tau Delta extends congratulations to Beta Psi fraternity on its installation as Alpha Phi Chapter of Pi Kappa Phi. We trust that their future history as a chapter of Pi Kappa Phi will be as illustrious as their past history as a chapter of Beta Psi has been.

Final plans are being completed for of Delta Tau Delta at Armour. The banquet will be held May 10 at the Architect's Club. Our inter-fraternity athletic teams are rounding out their practices in preparation for the coming inter-fraternity contests. Brother Schorling, graduate of last Civic Opera Building. Music for this longer than a residence lot, large year, has just obtained a position as gala affair is to be furnished by Dave enough to drive ah automobile chemist with the Wilson Western Sporting Goods Company of Chicago. Brother Schorling was formerly with Swift's.

PHI PI PHI

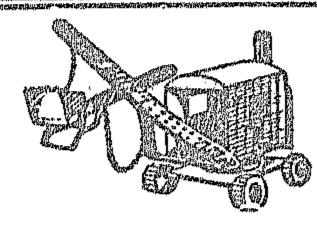
Saturday night, May 4, the Phi Pi fraternity held their dance at 11 103 | Thorne Hall on the McKinlock Camnity. This was the first time that discussion was held. ary fraternity on the campus has held an open dance; apparently it was a success, for one hundred couples were present. The music was furnished by Jack Blair and his orchestra.

PHI KAPPA SIGMA

At a recent election the following officers were elected for the ensuing

William Harrison Savage

Louis Lange Jr......Secretary ing forward to this affair. Irby Murrey Hughes Treasurer



If you have your fears about being able to stay married, see "THE RED ROBE" and learn from Mike Pantone. It's the fourth time that Mike and one Mary Russo played husband and wife together....and they're not divorced yet.

Mary is also making a habit of it. In almost all of the plays she has taken part, her role has been one connected with death. In the "TALE OF TWO CITIES" she was murdered by Mike and in the play this weekend she will kill the examining magistrate.

Yessir men, real live girls again. No more will we have to contend with hairy, muscle-bound legs protruding from a silk or velvet skirt.

"STRONGARM" BERNSTEIN always (?) a gentleman, certainly knows how to assist women off the stage. . . . He probably got the cut on his chin while rehearsing his act. . . .

After this, CLIFF CARSTENS wil be more careful about the kind of water (???) he uses when he plays "church on fire." . . . Anyway he helped the clothing business a lit-

Harold Heidman got a nifty bump on his knob. He claims a window is to blame....most likely a bedroom window.

BOB WORCESTER got himself a "drag" by playing nursemaid to SAMMY BIBB'S daughter. . . . and she's seven, not seventeen.

Prof. Vagtborg says that if all the bacteria in a stein of beer moved in the same direction, the stein would move. From the looks of things, they don't travel in straight lines after being "downed."

BEG YOUR PARDON

It was erroneously stated in last week's Steamshovel that BILL GRAY chauffeured a trustee around. It was the trustee's mother-in-law and now BILL will probably get flunked out of school.

Warren Richard Brinkman..... Sergeant-at-arms Bert Louis Thornton Sergeant-at-arms

The first game on our schedule in the Interfraternity Baseball Tournament was played yesterday with Theta Xi. The fellows are eagerly looking forward to the Senior Farewell Party and the Chapter Picnic which will be held in the near future. The bridge party of the Mother's Club promises to be a success. It will be ments as well as portland cement. held May 13.

RHO DELTA RHO

The much looked forward to annual dinner dance of Rho Delta Rho battery of rotary cement kilns, which is to be held on Saturday, May 25, are the largest pieces of rotating ma-1935 at the Electrical Club in the chinery in modern industry. They are Cunningham and his Towne Club Or- through, and weigh more than a milchestra. Unusual novelty numbers lion pounds. If erected on end they and a floor show will be presented, would be as tall as a 20-story build-Judging from the enthusiasm showed ing. by both the active and alumni chapters, the dance promises to be better than the previous successful an- Rare Volumes Loaned nual dinner dances.

At the last meeting of the alumni, held on Thursday, May 2, Brother pus of Northwestern University. It | Sid Cole gave a very interesting talk | mour Institute of Technology libwas one of the biggest and best on "Mechanical Power Transmission." rary "Rare Book Collection" have dances of the year for the frater- After the talk, a general round table been loaned to Evanston Township

SIGMA ALPHA MU

Sigma Epsilon of Sigma Alpha Mu takes pleasure in announcing the pledging of

Martin J. Hodes '38 Melvin Schuman '38.

Plans have been completed for the Spring party of our chapter to be To Stanley Bernstein and Gus held on May 18 at the home of Gus Freund we extend our congratula-William Harrison Fogle President | Freund. A large group of the alumnitions. Gus was recently pledged to have signified their intention of at- Sphinx and Stan received his fourth

Senior Chemicals See Cement Manufacture

Last Wednesday, the senior chemicals inspected the Universal Atlas Cement Company at Buffington, In-Lana. The group was conducted by three company guides and Professor

The company makes special ce-The whole factory covers 200 acres and has a pier 60 feet wide which extends a mile out in the lake. The Chemical and Physical laboratories were also inspected.

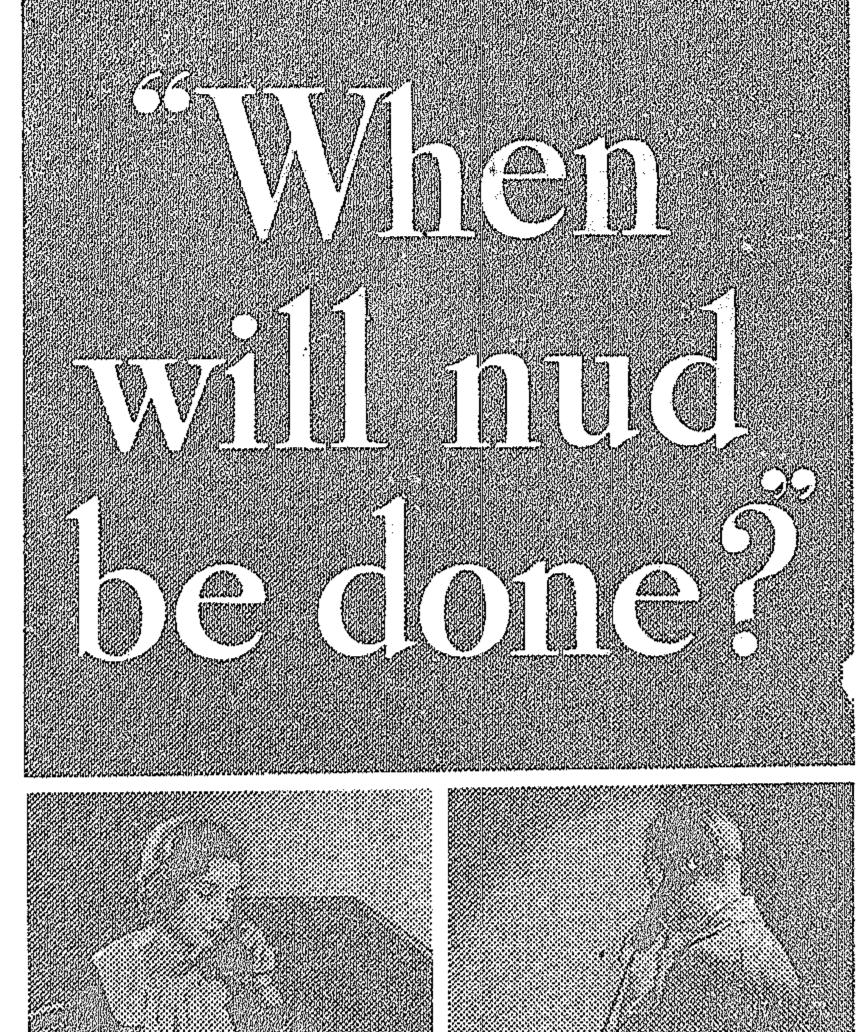
Most interesting of all were the

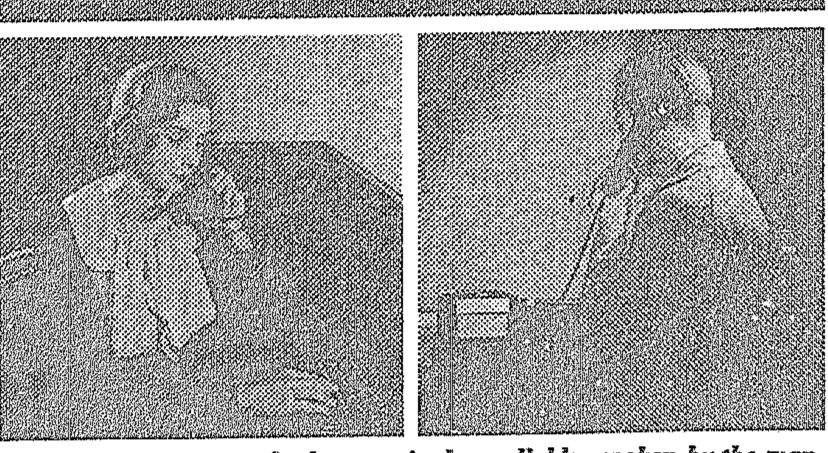
to Evanston School

Fourteen volumes from the Ar-High School for exhibit during its celebration of the tercentenary of secondary education.

The books loaned are from a collection of early books in mathematics and science. Among the books are four works of particular interest described by the British Museum Catalog.

at the last assembly.





This young lady records the meaningless syllables spoken by the man.

AND, "How does kib like that?" Such questions sound In senseless -- yet they play an important part in making articulation tests on new types of telephone apparatus at Bell Telephone Laboratories.

In making these tests, 6336 meaningless syllables are spoken - while observers record what they hear. Comparison of sounds actually spoken with those heard, shows how well the new apparatus reproduces the many sounds of which speech is composed.

Such thoroughness is typical of Bell System methods. Years of inventing, improving and testing have led to the apparatus which transmits your words so clearly.

> Why not say "Hello" to Mother and Dad tonight? Bargain rates on station-to-station calls after 8:30 P. M.

BELL TRLEPHONE



Library Browsing Reveals Rarities

around the school library reveals noticed by students.

on close inspection that it was don- tion he had ever entered. ated by the class of 1902 at a time when Armour Institute was called Armour Scientific Academy. To the right, extending out from a space between the windows, is a case containing medallions of presidents of the ton to Theodore Roosevelt. In the northeast corner of the room hangs an oil painting of Dr. Frank W. Gunsaulus, the first president of Armour Institute, illuminated by an overhanging light. On pedestals between the the other-Joseph Armour.

On the ends of the bookstands facing the librarians' desk can be seen pictures and autographed engravings of U. S. Grant, Charles Dickens, Robert Browning, Ralph Waldo Emerson, Henry W. Longfellow, John Ruskin, Fits-Greene Halleck, William brary has been tripled since 1897. Basis of Things, J. A. Eldrige; Forty-H. Prescott, Leigh Hunt, and John Today, the library has 45,000 volumes two Years in the White House, I. H. Greenleaf Whittier. A step behind in its possession, two-thirds of which Hoover; Practical Stage Craft, M. H. the librarians' desk reveals two inter- are technical and one-third general Hynes; Termites and Termite Conon the west wall is a one shilling bill, subscriptions to magazines of which Mine, J. T. McGovern; Search for issued by the Colony of Massachu- 190 are domesic and thirty-five forsetts Bay on August 18, 1775, prom- eign. Seventy other periodicals are ising to pay the bearer one shilling gifts of publishers and companies. in three years. A large gilded medallion of William Shakespeare, cast on the occasion of the Tercentenary taken of the circulation of books. Miss | ments and Accurate Mechanism by Commemorative of Shakespeare at Stratford-on-Avon in 1830, hangs below the bill.

School Gave Library Course

In its early years Armour was coeducational and had the only school of library science in the Middle West as revealed by a clipping from the New England Magazine, May, 1897 written by Clifford L. Snowden.

"The only school of Library Science in the central states is the one conducted at the Institute in connection with the excellent library provided by Mr. Armour. The library is the largest room in the building, occupying half of the main floor. The 15,000 well selected volumes are arranged in twelve alcoves, three of which are devoted exclusively to technical works. The students and others who use the library are always allowed to help themselves and to go from alcove to alcove without hindrance. In spite of this freedom the number of books lost has been so small that it is hardly worth mentioning. The public is admitted to the library and allowed to share in the convenience of the circulating department when properly guaranteed by responsible parties; of course, those people in the immediate neighborhood are the only usual borrowers.....

"The library is the main study room of the institution and is an inspiring sight, with its fifty or more tables crowded with the bright, earnest faces

Dr. George Murphy Speaks to A. I. Ch. E.

Last Friday the Armour Branch of the American Institute of Chemical Engineers was addressed by Dr. George B. Murphy, chemical engineer in charge of research and development for the Universal Oil Products Company on the subject "The Chemical Engineer in the Petroleum Industry."

Dr. Murphy started with a discussion of the petroleum refining process, giving a general picture of the present practice in this field. This part of the talk was illustrated by a slide showing the equipment necessary for a modern gasoline cracking unit. Dr. Murphy then spoke briefly on the problems which the chemical engineer faces in this line, and on the modern tendencies in petroleum refin-

In concluding, Dr. Murphy spoke of the activities of the chemical engineer in general. Data was presented showing the fields which are open to chemical engineers and the average compensation received in these various divisions. This material was of special interest to the graduating seniors.

Although a slight delay was occasioned by the installation of a projection machine, the meeting was generally conceded to be one of the best of the semester.

Armour Senior Wins Lip Reading Contest

William E. La Pedus, senior mechanical, won third place a week ago A few minutes spent in browsing in the Chicago contest in lip-read- Policemen ing, sponsored by the League For some interesting articles not usually | The Hard of Hearing. He has been Facing the library entrance is an every Friday evening for quite some old grandfather's clock which reveals time, but this was the first competi-

> to the national contest which is held tion staff are: in conjunction with the national convention of the League For the Stage Manager ... Michael Pantone answered many queries put to him sibly a light plane as part of next Hard of Hearing on June 7.

United States from George Washing- in the club. Last year he was pres- | Scenery ident of the Young Peoples section, and this year he is on the membership committee. The membership now totals about 500.

north windows are two marble busts of the students. In the library are al--one of Dr. Frank W. Gunsaulus, ways displayed one or two masterpieces of painting, whose constant silent influence has increasing power, the young people becoming more and more familiar with the best art as they become possessed of the best knowledge."

The number of volumes in the li-

period 1930-31 through 1934-35 was ford; and Design and Use of Instru-Steele arranged the following data:

PLAYERS—

(Continued from page 1) Janitor of the Court Maurice Alexander Police Sergeant Robert Clarke

A large stage crew has been organscenery. All the scenery was designed | visability of using mercury vapor airport. and constructed by members of the lamps, and presented an explanation The winner of this contest goes Players. The members of the produc- of the functions that take place in- Institute available for the club's use,

Production Staff Asst. Sales Mgr. . . Robert Schwarz by the professors and students press semesters' program.

> Richard Lischer, Joseph Kichaven, Irving Addis, Ernest Hoyer Business Manager..Wm. Emmerich Publicity......Richard Weissman

	by day
282	54
035	126
855	285
	035

charged for use in the library) Each year books are purchased by the library under a definite system. Among the accessions of 1935 are:

America's Tragedy by J. T. Adams; Truth, E. T. Bell; Weaving the Short Story, Douglas Bement; Advance of and the Mohammedan nations. Science, Watson Davis, editor; Tech-A five-year average covering the nics and Civilization, Lewis Mum-A. N. Whitehead.

Speaker Discusses G. E. Mercury Lamps

The subject of the talk presented

International House Site of Gay Pageant

Founded by John D. Rockefeller as a center for the promotion of international understanding and world sold. peace, the International House was the scene of gay activity last Friday and Saturday nights. With fourteen major foreign countries participating, the pageant, entitled "1935 International Night," presented a at least, according to President spectacle of brilliant costumes, Roosevelt. Expenditures for the come along. The tour through the dance, music and songs.

events of a distant future, comprised will probably not exceed 4 billions; a number of specialties presented by that means another deficit of ap- Thoughtful people believe that the esting articles. In a grilled frame and recreational. It has 225 paid Control, C. A. Koford; Your Son and artists from many nations, including proximately 4½ billions will sooner steps are taken in that direc-Cuba, China, Germany, England, bring the public debt to a new high tion, the better it will be for the Japan, the Slavic countries, India, of about 34 billions. Still, there is fiscal affairs of the United States.

usual pageant. They came not only from Chicago institutions, but from Ohio, Wisconsin, Michigan, and other midwest institutions.

Aero Club Plans On Building Glider Soon

During last Friday's meeting of by Mr. Hansen of the General Elec- the Aero Club, tentative plans were tric Vapor Lamp Company before drawn up for future meetings. Hugh Bisbee, Norton Gerber | the Armour branch of the A. I. E. E. | Among the most important events last week was "Mercury Vapor will be outstanding speakers on aeroattending classes in the subject ized to produce the necessary stage Lamps". The speaker presented a nautics, and inspection trips to aireffects and make the four changes of sizeable list of factors, on the ad-craft factories and the Municipal

> With the engineering shops of the side the glass envelope. After the the members decided to design and conclusion of his talk, Mr. Hansen construct their own glider and pos-

SIDELINES-

(Continued from page 1)

Even so, statistics show that the volume of business done was greater, and activity can best be measured by the volume of goods

There is one other question which looms in the mind of the public. The government will not begin to live within its income for another year present fiscal year are estimated at tunnel was conducted by J. P. Della The program, supposed to depict 81/2 billions. Income for the year Maria, resident engineer in charge. no increase of taxation suggested. The government cannot avoid pay-A capacity crowd attended this un- This is merely putting off the day ment simply by putting it off, any of reckoning. Some time, however, more than an individual. A painful the money must be raised to meet operation, whether fiscal or surgical, these expenditures and to begin re- causes less grief if performed paying the funds already borrowed. promptly.

Civils Tour New Sewage Project

Last Tuesday, the senior civils, accompanied by the junior and sophomore civils, inspected the west side intercepting sewers now being built for the City of Chicago. Professors Penn and Stevens were the faculty sponsors.

The sewer reaches from the treatment works in Stickney to Fullerton avenue, a distance of 20.6 miles. It serves an area of 39 square miles, and is designed to take 50 per cent in excess of the normal dry-weather flow and to by-pass any greater excess into the river.

The average depth to bottom is 35 feet below street level. A large part of the excavation has been through soft clay containing irregular beds of loam and water-bearing sand, making it necessary to use extra precautions against cave-ins. A pressure of about one and one-half atmospheres is maintained to prevent the

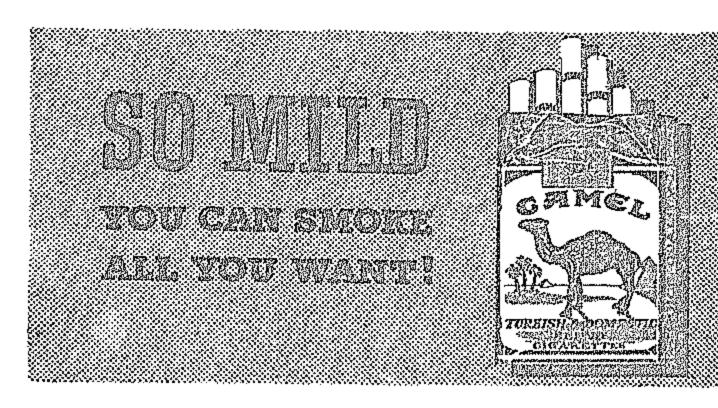
flow of the material at the bulk head. Although the trip was for the senior civils, Professor Penn invited the sophomore and junior civils to



Other athletes back him up...."I smoke all the Camels I want, and keep in top condition," says Mel Ott, slugger of the New York Giants.... Georgia Coleman, Olympic

Athletes have made this discovery: Camel's costlier tobaccos are so mild, they can smoke all they please, without disturbing their 'wind' or nerves.

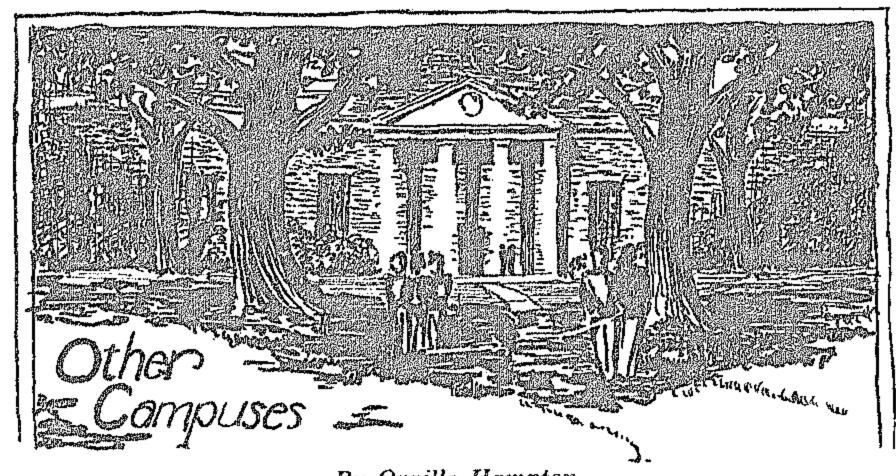
CONDITION IS IMPORTANT TO YOU TOO - on vacation, in college, at home. You can keep "in condition," yet smoke all you please. Athletes say: "Camels never get your wind."



COSTLIER TOBACCOS!

© Camels are made from finer, MORE EXPENSIVE TOBACCOS -Turkish and Domestic - than any other popular brand. (Signed) R. J. REYNOLDS TOBACCO COMPANY, Winston-Salem, N. C.

@ 1935, R. J. Reynolds Tob. Co.



By Orville Hampton

A freshman at Harvard University, noting a bulletin board headed And for most of their other plays "Dates for English Examinations," remarked that there are hardly any functions to which a fellow can go stag anymore.

Will Rogers, America's favorite humorist, has been invited to attend | duly honored when the Honor "A" the Rollins College founder's day exercises, at which he will be given a degree of Bachlor of Art of making People Grin, Laugh and Guffaw.

Despite the fact that beer is sold on the University of Illinois campus, SEN. Bill won recognition because soft drinks are sold in quantities nine times as great as the amount of beer consumed by students on the campus.

AND MAYBE SHE'S RIGHT

(No doubt)

ceited, inconsiderate, spoiled chil-

dren," said a waitress in the Harvard

Union. That's a damnable lie and

an unmitigated falsehood (said a

College reporters at Columbia

questioned people on the streets

and found that five out of six of

them thought college students were

The odorless cabbage developed at

Cornell University recently should

old Oslo University (Norway) pro-

fessor, is the first human to drink

(University Daily Kansan)

Dew u want tu lern tu reed and

rite this nu way? A professor at

Catawba College in North Carolina

advocates that the schools adopt his

ludicrous, there are many strong

POME!

His stiffened fingers clutched his

As a lonely wind howled in the trees.

As he drew it upward toward his

An icing of snow lay on his head-

When, oh when, would he be dead?

A tear slid forth from out his eye,

He dully moved his shrunken form,

And prayed for heat in his frat's

Dr. Orestes H. Caldwell, a Purdue

Future radio sets will have a sim-

ple means for connecting a light

place of the loud speaker. With

against the skull or teeth, one hears

perfectly, without any sound being

New York University (N. Y. C.)

scientists have developed a sound

microscope which magnifies sound

10,000,000,000,000 times. With it

they have listened to a weevil bor-

The Badger Club of the Univer-

To test true loves, the boys tele-

phoned each other's girl friends,

ing into a grain of wheat.

was already out on a date.

present in the room.

ting the hard facts.

a bone-oscillator pressed

Alumnus, E. E. and editor of the

(Indiana Daily Student).

It froze to ice 'fore it could dry.

points in favor of it.

blue;

dorm.

ten grams of heavy water.

Harvard man).

make swell cigars.

"A lot of Harvard men are con-

averages of any of the athletes. The pose of back copies for similar pur- athletes." footballers came out on the bottom poses.

Statistics show that Yale graduates have 1.4 children, while Vassar college graduates have 1.8 children, which proves that women have more children than men.

Things not to tell the one and only (?) when you have her out:

1. "Gee, aren't you dressed up!" 2. "Why, you look so good I didn't recognize you."

3. "Mother used to have the prettiest dress, just like that."

4. "How do you manage to have such odd-looking jewelry?"

5. "You look like someone I've met; but it didn't make much impression. can't think who it was."

6. "I see you washed your hair." (Georgetown)

"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.

At Rutgers, one student had to carry 112 eggs wherever he went. His eyes were closed, his lips were

Down in Louisiana State universi- His ears, his nose, were a ruddy hue. ty the southern gentlemen take their exams in style. At the last one, hot chocolate was served. (Strange as it seems, the article said nothing of His blanket seemed now threadbare Huey Long. He must be slipping).

Five members of the Ohio State faculty have been given positions in Ohio's first crime school, which is to give a short course in police administration.

The trustees of Muskingum Col lege have lifted a 97-year old ban against card playing and dancing by students. And we'll bet that almost any day now they'll hear that the Civil War is over.

magazine Electronics, stated, "Silent A London man died recently beradios will be the next step for the lieving that the earth was flat. Well, it shouldn't make any difference to relief of the broadcast audience. . ." him now that he's underneath itit's all the same down there. headphone or "bone oscillator" in

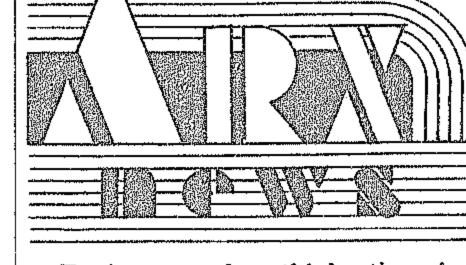
University Daily Kansan. (Ed. Note: He was right. The earth is "flat")

A one-eyed bee has been discovered at Iowa State University. Only three or four have ever been known to entomologists.

Left-handed students at the Kansas State Teachers College (Emporia) are protesting because there are no left-handed chairs provided for them in the classrooms.

The latest fad of students at Marshall College (Huntington, W. Va.) | sity of Wisconsin believes in getis raising chickens in their rooms. The nearest approach we have to that here at Armour is raising H...

about the pigeons in the classrooms. asking for dates. The girls made a The Campus, student newspaper fair record. Three accepted the new of the College of the City of New dates; three would not go out with York, is making arrangements with strangers; two evaded the issue; and a fish dealer to sell back issues of one—fan the boy friend's brow the paper to the merchant for wrap-



Engineers who think the Arx spend all their time designing tea caddies ought to take a look at the swell job of scenery designing Lischer, Kichaven and Addis have done for "The Red Robe", forthcoming production of the Armour Players. too, for that matter.

The Architectural Department was society conferred the Honor "A" award upon two of our architects, Bill CONCOLINO and Bob ESBENof his outstanding work in track, and Bob received the distinction through his success on the varsity tennis In a survey taken at Milwaukee pers for herring. If anyone is inter- team. We add, quoting John SCHOM-College it was disclosed that tennis ested in exploiting the Armour pig- MER, "May they achieve in business players had the highest scholastic cons, the News will be glad to dis- the success they have attained as

> PRESSIONS these days. To be more explicit, we mean to say that he is subjects thus far have been Irv ADDIS and Bob SAMUELS, and really they're not quite as dead as their masks would have you believe. This work will be exhibited on Open- Cs. house night in connection with a representative display of the work of the Department.

At the time of this writing the juniors were on charettee and at the Professor Klaus Hansen, 39 year time this paper is issued these boys will just about have completed their current projet, which this time is a "Park Ridge." They went to town Heard on the radio: "Alimony is on their last projet, and it wouldn't judgment cannot be passed without the coupons off the bond of matri- hurt the Department one iota if the same performance were repealted.

Just to make things a bit more interesting the juniors were also confronted with a projet in clay modelsimplified system of spelling. Al- a powder box and two cream jars. though on the surface it appears This may sound a bit effiminate to you; but before you snicker, condesign. It is more probable that rather than in the design or con- intentions! struction of buildings.

> and their "Hydro-Electric Plants," close at hand. Charlie takes his teaching seriously

DELIS-

ing the summer.

Continued from page fraternities will make the move dur-

act to bring the fraternities into closer contact with itself. This will also eter, which tunnel will be capable of ternities will be easier to get to dur- per hour. ing vacant periods, and the running expenses will be less than they are on Michigan avenue.

Several of the fraternities are very enthusiastic about the proposition. Under this proposed plan the rent which the fraternities pay will be used to rehabilitate the building. Twenty-four hour Edison service will be installed; the basements will be cleaned out, and lockers and showers put in; the porches will be painted and various other things will be done to improve the quarters.

The facilities of the student lunch room will also be very convenient to the new location; and with the increased patronage it may be possible to enlarge the lunch room to include room D. This would benefit the en-Hal SLAVITT is making IM- tire student body by relieving the congestion which exists at noontime.

The plan is not concerned about whether the Institute moves next specializing in making DEATH year or later. Even if the school MASKS of living subjects. The two moves next year, it will be worthwhile because the cost of all repairs that are made is to come directly from the rent that is paid in.

C. Lewis to Speak to W. S. E. Thursday

At the Chicago W. S. E. meeting in the study of epilepsy. next Thursday, the audience will hear a paper presented by G. C. Lewis on the subject "Residential Electric Rates." This paper is en- 2700 B. C. Except for the method of tered in competition for the Charles collecting crystals on a string or Ellet Award.

again and again for discussion, and the last 50 years. hearing both sides. Considerable discussion as to the fairness of electric and gas rates has been brought about by governmental activity in the pubutilities is one ground for private ownership; the government's main ling. The problem was the design of argument is rates. Politics, of course, have to be considered. Mr. Lewis will present a brief analysis of the rate engineer together with informasider for a moment the new trend tion on some of the recent developof architectural work in industrial ments in electric rate determination.

architects will be along such lines away by whatever were Bill's evil new, modern biological laboratory from sugar cane. Bagasse is used for

A gentle hint to the freshmen: Bill NICOLAI, the man with the Don't forget to wear those green

SCIENCE NOTES

A preliminary study of stratospheric conditions is being prepared President Hotchkiss, Dean Heald, by the American laboratory of the and the other officers of the school National Advisory Committe for are heartily in favor of giving this | Aeronautics at Langley Field, Virentire building over to the fraterni- ginia. Experimental equipment inties. They feel that the school should cludes a working section of a wind tunnel that will be eight feet in diamhave two other advantages. The fra- attaining wind velocities of 500 miles

> Drops of water containing oxygen with mass eighteen are being carefully collected by means of special diffusion apparatus at Manchester University, England.

> The April issue of Electronics car. ries an empirical formula for determining minimum list prices of radios. This issue also contains a discussion of the noise evil: it is interesting to note that ordinary conversation creates almost as much noise as a busy

New metal radio receiving tubes contain only glass beads which are welded to an alloy, Fernico, made of iron, cobalt, and nickel, having the same expansion co-efficient as the glass. The vacuum of this sturdy finds its greatest use in the paper intube, which is appreciably smaller dustry where many bearings are subthan the ordinary glass tube, is said ject to wet contacts. to be permanent and is said to improve with age. These tubes will be incorporated in GE radios which will be announced this summer.

"hear his wheels grind?", for thinking ting machines to operate at higher produces characteristic electrical cur- speeds and at the same time turn out rents. "Electro-Encephalograms" are better products. This liquid consists the graphs of these currents and of a fine suspension of sulphur parthese graphs are proving their value ticles in petroleum oil.

Crystallization of salt was performed by the Chinese as early as twig, mentioned by Agricola in 1556, The public utilities field comes up | methods have only improved within

To stimulate interest in fundamental biological research, the American Chemical Society has established a prize of \$1000 and a bronze medal, lic utility field. Taxes paid by the to be awarded each year to a young man or woman who has done outstanding biological work. The recipient must be under 31 years of age, and he is to be selected by a committee of biological chemists. The first problems that are confronted by the award was scheduled for the week of April 22 at the New York meeting of the A. C. S. The prize was established by Eli Lilly and Company, manufacturing chemists of Indianthe immediate jobs of the young and therefore could not be lured apolis, who have also established a containing 75 people in the research the manufacture of fibe-cardboard, division.

incessant "Yes, man, yea, man," caps, because such thoughtlessness the Japanese have developed machine be used. Storing this material led to tried no end to persuade Chaplie might make the inevitable more un- guns firing 9075 projectiles per min- the problem of avoiding decay. Now, BEERSMAN to desert his class and bearable at either the Frosh-Soph ute, absolutely silently, by means of the fibre is stacked in bundles, where go out with him tother day. rush or the subsequent A.A.S. initia- centrifugal force. Army engineers the heat is generated by bacterial FORTUNATELY for the senior class tion, both of which are dangerously have long been toying with the idea fermentation is sufficient to kill the of using gasoline in machine guns, bacteria and to prevent attack by if they could only get its energy al- molds and fungi.

Armour Chess Team Loses to N. U.,4-3

The Armour Chess team lost its return match with Northwestern University last Friday night, at Armour, leaving the record of the team at two wins, two draws, and one loss. There will be at least one more match this semester before the team concludes its yearly activities. Last Friday's meet was marked by erratic play on both sides.

The box score of last Friday's match is as follows:

ARMOUR N. U. 1. A. Rune 0 1. M. Salgo 2. N. Gerber 1 2. E. Terrill 3. B. Wilhelm 0 3. W. Cohn 0 4. R. Carlson 4. G. Gulbis 5. R. Hella 1 5. R. Bernhard 0 6. E. Hurd 1 6. T. Sherman 0 7. A. Majercik 0 7. C. Hegarty 1

most simultaneously. The evailable energy in pure nitrocellulose, black powder, and gasoline, respectively, is 467,500 Kg-M, 291,100 Kg-M, and 4,760,000 Kg-M.

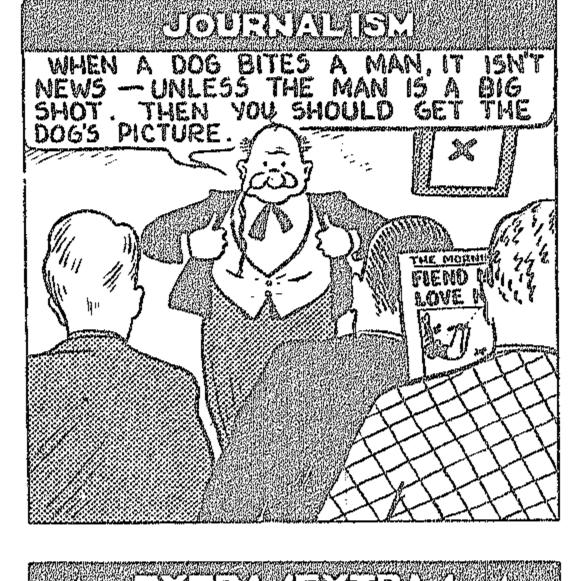
Bearings that use water as their best lubricant have been developed by Johns Manville after many years of research. The bearing is a compound of asbestos, graphite, and water and

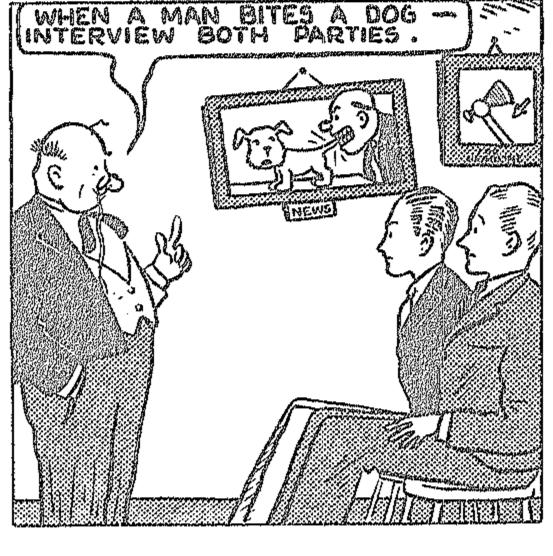
Sulphur has made its way into the lubricating field. The Thomas and Hochwalt Laboratories, Inc., of Dayon, Ohio, have developed a lubricat-There seems to be some truth in | ing liquid which permits metal cut-

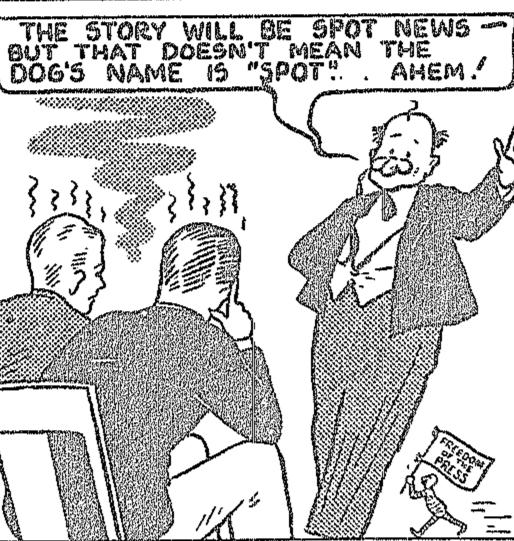
> A few years ago, in his trip to the Gobi Desert, Roy Chapman Andrews. famous explorer, discovered the first actual evidence of the so-called "missing link," and also discovered fossilized dinosaur eggs. Recently, in Texas, fossilized eggs twice as old, 225,000,000 years, have been found, but the monstrous parent has not been identified yet.

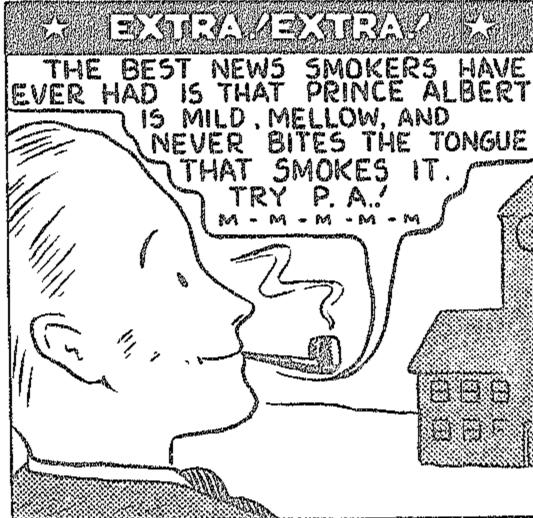
> The ultimate strength test of an airplane is the "power dive." In this dive, the plane is taken to a high altitude, and is then set in a vertical power dive until the terminal velocity is reached. The pilot then levels off as quickly as he can. In one instance the speedometer broke at 425 mph; the centrifugal force shows an acceleration of as much as 8g (g=32.2).

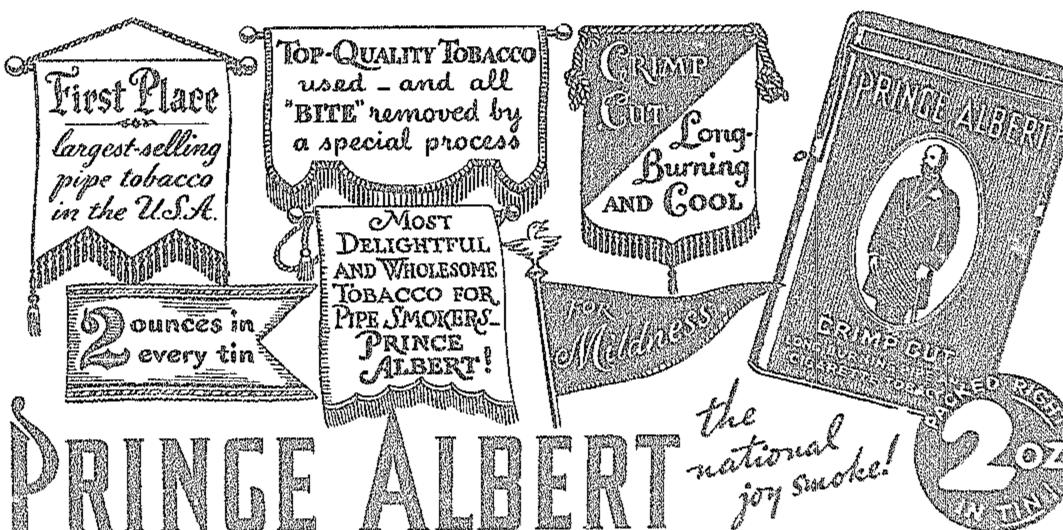
An interesting method has been developed to prevent bacterial decay of "bagasse," the tough, fibrous pulp left after the sugar has been extracted and during the three months' operating season of the sugar mill, this Reports from Berlin indicate that | fibre is produced faster than it can











Discovers Triple Weight Hydrogen

Lord Rutherford Starts New Scientific Research

Hardly over the shock of hearing that Drs. Urey, Brickwedde, and Murphy had discovered a double Zwissler, juniors. weight hydrogen, scientists have been startled again by Lord Rutherford's latest announcement. Experimenting with deutons-the nuclei of heavy hydrogen atoms-he has made them collide at high speed and has obtained results that lead him to believe in the possible existence of a triple-weight hydrogen.

In this country Professors Latimer and Tuve have looked for this new type of hydrogen. They have not isolated it, but merely watched the paths of the nuclei as they were bent by a magnet. Tritrium, as this new substance is called, is wanted, in a concentrated form, by both chemists and physicists, who would be satisfied with a thimbleful.

Princeton Man Has Process

At the recent meeting of the Electrochemical Society, Professor Taylor of Princeton described his lab-Bleakney, a colleague, had proved awarded. that heavy water (combination of First prize was won by E. J. Well-distance of 42 feet. double-weight hydrogen with oxy- aver of Marquette U. for a paper on gen) contained one part of the "A Mathematical Determination of last thrill of the afternoon. North- Bagg (N.I.). Time, 10:53.9. tripleweight in 200,000 parts. Pro- the Contact Length of Helical and fessor Taylor attempted the same | Herringbone Gearing." E. W. Jenprocess to obtain tritrium as is used sen, U. of Iowa, on "Stresses in an Gearing Is Topic of to obtain deuterium-namely, a com- Automobile Engine Crank Shaft", plicated process of electrolysis.

part of tritrium, the triple weight shafts." hydrogen.

More at Princeton Than Anywhere

Experiments show that in ordinary water (H.O) this triple-hydrogen is present to the extent of one part in 10,000,000,000 parts of water. The ten drops at Princeton, impure as they are, contain more tripleweight hydrogen than is to be found in any other place in the world.

Similar experimentation has attempted to ascertain whether the electrolytic process concentrates the heavy oxygen of mass eighteen over that of normal exygen of mass sixteen. It would appear that the process is not very efficient, for a sample concentration of H₂O (normal water) by electrolysis from 120,000 volumes to one volume increased the heavy oxygen concentration merely from one part in 500 to one part in

Other Separation Methods Needed "While such changes in the ratio of the two species are sufficient for many scientific experiments," said Professor Hugh S. Taylor, chairman of the chemistry department at Princeton, "It will be necessary to utilize other methods of separation if it is desired to produce pure specimens of the two forms of oxygen similar to those already obtained with deuterium, the hydrogen of mass two."

Incidentally, the atomic weight of ordinary hydrogen, long regarded as 1.0078, is due for revision if recent Cambridge University experiments are independently substantiated. The new figure, 1.0081, is derived from a complex system of "atom smashing" which is ten times as accurate as the mass spectrograph, formerly considered the most exact of all atom scales. If this new discover? is independently upheld, every atomic weight table in the science textbooks of the world will become automatically obsolete.

Employment Subject of A.S.M.E. Address

Methods which graduates of engineering schools can effectively use in obtaining employment were presented last Friday in a talk by Monroe A. Smith, C.E. '10, who spoke at a meeting of the Armour branch of the A. S. M. E. Mr. Smith is personnel director of the U.S. Gypsum Company, and suggested personal evaluation of abilities and the answering of blind ads as being among the possible ways of obtaining work. Several things to be avoided in applying for a job, such as not dressing to suit the type of work, were also brought out.

Chi Epsilon Initiates

Chi Epsilon, honorary civil engineering fraternity, initiated five members of the junior and senior in civil engineering last night. The men are B. Jones, a senior, and J. Galandak, J. O. Larson, T. S. Ramotowski, and G. A.

The initiation ceremonies were held in the chapter rooms, and were followed by a dinner in the faculty grill and a visit to the musical revue "Life Begins at 8:40". A number of faculty and alumni members attended.

Speech Awards End A.S.M.E. Convention

Junior and senior mechanicals attended the Third Midwest Student Conference of the American Society of Mechanical Engineers, which was held at the Allerton Hotel, Chicago, last Monday and Tuesday. Professor D. Roesch and three Armour students, J. J. DeBoo, R. J. Maci, and the day were made by Nori and the General Arrangements commit- The former won the broad jump tee for the convention.

orious process of isolation. Dr. the student theme contest were by 6 inches. Cowan, not to be out- (A.); second, Hein (N.I.); third, These, by the way of info., are State Teachers' team is an unknown

won second prize, and the third went Starting with seventy-five tons of to J. DeHamer, Michigan Tech. His ordinary water, Professor Taylor pa- subject was "The Development of a

ARMOUR TRACKMEN Four Juniors; Senior LOSE TO NORTHERN ILLINOIS TEACHERS

pected setback when a delegation of his opponent. tracksters from Northern Illinois Teachers' College invaded Ogden field on Saturday, April 27, and went home with an 82 to 49 victory to their credit.

Captain Roberts and Faust led the Roberts (A.); second, Hand (N.I.); Armour attack with 13 and 8 points, third, Fleig (A.). Time, :14.1. respectively. Nori starred for the visitors, scoring 14 points. In comtrast with the grand slams which the local dashmen had scored in previous meets, Northern Illinois turned the tables and made a clean sweep of the 220-yard dash and allowed only one Armour man to place in the century dash. The Techmen evened things a little by virtue of the threeway tie in the high jump between Bejeck, Nelson and Thornton, all of Armour.

The outstanding performances of F. Meyer, represented Armour on Cowan, both of Northern Illinois. with a leap of 22 feet and 21/2 inches, Russel (N.I.). Time, :23.7. At the technical sessions, prizes in which surpasses the Armour record done, heaved the 16-pound shot a Tuma (A.). Time, 2:14.5.

Arranged by Mr. Gatly, machine 8 in. tiently electrolyzed and evaporated Test for Set in Split Bamboo Fish- shop instructor in the evening Javelin Throw-Won by Concidine it. After a year he has ten drops. ing Rods." W. W. Henning repre-school, a talk on gearing was pre- (N.I.); second, Peters (N.I.); third, Even this concentrate is not pure. sented Armour at the electrical ses- sented to the machine shop class last Roberts (A.). Distance, 149 ft., 7 in. Erond Jump—Won by Nori (N.I.); Naperville. The Demons pushed five

ern Illinois had a big lead when Nelson, Armour anchor man, took the baton. He reduced the lead to a point where, on the home stretch it looked as though it would be another victory for Armour. Despite his The Techawks suffered an unex- heroic effort Nelson finished behind

Summaries

100-yard Dash-Won by Trakas

Dunbar (A.). Time, :10.3. 100-yard High Hurdles-Won by

Shot Put-Won by Cowan (N.I.); second, Hein (N.I.); third, Roberts

(A.). Distance, 42 feet. second, Yeakel (N.I.); third, Baker ship presented to the University of (N.I.). Time, 4:55.1.

(N.I.); second, Neal (A.); third, Baeles (N.I.). Time, :54.7.

High Jump - Bejeck, Nelson, Thornton (A.), tied for first. Height, 5 ft., 8 in.

100-yard Low Hurdles--Won by Hand (N.I.); second, Roberts (A.); a perfect score-5,000 points: third, Shartz (N.I.). Time, :12.1. 220-yard Dash - Won by Nori

(N.I.); second, Trakas (N.I.); third, 880-yard Run-Won by Nelson

Two-mile Run-Won by Baker the years.

The relay, as usual, furnished the (N.I.); second, Faust (A.); third.

Illinois. Time, 2:19.1.

third, Hevrdjes (A.). Height, 11 ft. larce. 22 ft., 21/2 in.

but sometimes we just can't help (N.I.); second, Nori (N.I.); third, bragging about the athletic prowess of our own faculty members or students. The following, was taken from the "This Month's Yesteryear Calendar," column of the "Chicago Magazine" for April, 1935.

Mile Run-Won by Faust (A.); the National Basketball Champion-

icago bi captain John Schommer's 440-yard. Run - Won by Hein | quintet, after winning from Pennsylvania by a score of 16 to 15. Schommer personally rolled up 275 points during the season."

shooting at the following marks for

100 yd. dash-:10.0. Shot put-48 ft. 734 in. 100 yd. high hurdles-:14.0. Broad jump-21 ft. 81/2 in. 888 yd. run-2:00.9.

school records accumulated through quantity as far as previous records

Last year John Roberts, with Mile Relay-Won by Northern 4,287 points, and Alex Kulpak, with .4,086, copped the honors in the let-Discus Throw-Won by Cowan termen's event. Bruno Rigoni, 2,358, Evening Class Talk (N.I.); second, Roberts (A.); third, and Joe McGrath, 3,896, took the Trakas (N.J.): Distance, 121 ft., medals in the non-letter division. They exceeded about 20 contestants,

For every 10,000 parts of deuterium | sions with a talk on "Critical Speeds Friday. Mr. J. H. Davey of Browne | Pole Vault - Won by Eustace second, Kulpak (A.); tied for third, runs across in the first. The "Lugan" water the ten drops contain only one and Torsional Vibrations in Chank- and Sharpe Company was the (N.I.); second, Concolino (A.); Nelson (A.) and Neal (A.). Dis- Lauchiskis rates big mention for his

Tech Wins from Loyola Netmen

Last Monday the Tech netmen defeated Loyola University, four Perhaps this is a bit post season, matches to three, on the Loyola courts in the second game of the season. Armour captured three of the five singles events and split with the North Siders in the doubles. Richardson of Loyola defeated Lammers of Armour after a close fought battle. Esbensen, Schmidt, and Freund. April, 1908 "A huge mass meeting all of Armour captured their respecwas held in Kent Theatre to celebrate | tive matches with great ease. Dick Armsbury lost to Crowley of Loyola by a very narrow margin. In the doubles, the Tech combination of Lammers and Freund lost to the Loyola team, but the Armsbury-Esbensen duo evened this loss by winning easily by 6-0, 6-1.

Next Friday and Saturday the rac-Pentathlon contestants will be queteers will travel to Greencastle and Terre Haute to engage with the DePauw and Indiana State Teachers College contingents. Last year the De Pauw match resulted in a 4-3 victory for the Techawks on the home courts after being rained out at Greencastle earlier in the week. The Indiana are concerned because they have never been matched against Armour.

> while already 30 men have entered this year's event-bigger and bet-

> North Central, due here Wednesday for a ball game, set the Techmen down 16-3 in a game played at home run and two out of four at bat.



GOLFERS BEGIN YEAR WITH

Unsuccessful Against Northwestern and Chicago

DEFEAT SOUTH SIDE

from South Side Jr. by the one- interfraternity trackmeet. play, instead of the usual thirty-six. cards of Junior Week.

Ahern Cards Low Score

In the doubles Larry Davidson and Jack Shanahan of Armour were paired against S. Lucas and E. Prengoski while "Powerhouse Bill" Ahern and "Slaughterhouse" Bob Richards played against Jerry Litt and Frank Stormer of South Side. At the end of the first nine the Techmen were three points ahead but by dint the lowest nine of the afternoon, with a 38, just two above par, while Bill Ahern won the day's honors with an 82. South Side will have a chance to get even when they meet the Armour golfers again in a match to be staged at Evergreen Hills on | bly. May 24.

encounter with Northwestern, played on the tricky Kildeer course, losing the medal points 27-0 and the match points 534-470. Bill Ahern turned in the lowest score of the Techawks which was beaten by every member of the strong Wildcat squad.

Lose to Chicago

Although primed for a victory by activities also spoke on the program. their success in their encounter with South Side Jr. on the previous day, the Tech golfers were unable to make much of an impression against the Maroon squad in a doubles and singles match played at Olympia Fields on Saturday, April 27. Coach Metcalfe's boys trimmed the Armourites by five points in the singles and nine in the doubles to garner a 14-4 win.

Play opened with the singles on the tricky No. 1 course, with Ahern and L. Davidson heading the Armour contingent with 86's. F. Davidson and J. Shanahan followed with 90's. Larry scored three counters, Bill one-half, and Jack also one-half, the morning session ending with the score 5-4 in favor of Chicago.

High winds in the afternoon completely routed the Techmen and they were unable to secure a single point in the doubles matches. Larry and Jack turned in 87's for the afternoon's endeavors, with Bill and Bob Richards trailing with 95 and 94 respectively.

At Beloit Last Saturday

On last Saturday the golfers made a journey to Beloit, Wisconsin, for a match against Beloit College. The lineup consisted of Larry Davidson, Bill Ahern, Jack Shanahan, and Frank Davidson. At time of press the results were not known but it is to be hoped that they were successful in this, their fourth start of the season.

Revised Schedule

May 4-Beloit at Beloit. May 11-Indiana State at Terre Haute.

May 14—Alumni at Southmoor. May 15-Wright at Big Oaks. May 18—Loyola at Southmoor.

May 24-South Side at Evergreen. May 25-Wright at Southmoor. St. Viator at Bourbonnais, Ill.

Seeing all those beautiful awards last Thursday makes us feel for the Armour players. Practice, devotion, production; and what do they get? A few airplanes concocted by er-

ratic Armour genius, and far from

the merited attitude from the audi-

ence. A big response for the week-end performance, "The Red Robe", should be the least we can award them!

Baseball Starts Frat

With the indoor baseball tourney now fairly started, the fratmen are facing a stiff sports schedule for Team All games will be played at Armour | Ch. E. 44 games.

All pairings have been completed Rod-Cans1 in golf and tennis and these sports are slated to begin by May 11. The After being defeated by the strong | final rounds in all fields will be com-Northwestern squad, the Tech golf- pleted by Junior Week when the ers retaliated by beating the boys sportlight will focus on the annual sided score of twelve to six. The con- meet, a fraternity classic, consists test consisted of two doubles and of competition in all regular track four singles matches played over the and field events and, in addition, a sporty eighteen hole course at the four-man relay race. The tourna-Southmoor Country Club. Contrary ment offers a great deal in the way to custom, the singles and doubles of amusement (for the spectators) matches were played at the same because most of the contestants are time, enabling the men to complete neophytes and their efforts are conthe match in only eighteen holes of sidered one of the greatest drawing

Complete schedules for all sports played different teams. are posted on the bulletin board in the main lobby.

Armour Athletes Receive Awards

Awards for athletic prowess of hard playing thy finished up the were presented to 35 at a special eighteen holes with a lead of six assembly last week which promises counters. Larry Davidson turned in to become an annual affair. Among the twenty men who were awarded the major "A" were four seniors who received the new jacket award.

Minor awards, Honor A keys, and were also presented at the assem-

Master of ceremonies for the oc-Armour wasn't so successful in its casion was Professor John Schommer, who presented Coaches Krafft of the basketball and baseball teams and Weissman of the wrestling and boxing squads.

Dean Heald, commending Armour's athletes and suggesting that more recognition should be given all students for their extra curricular

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SEVEN REMAIN IN Spring Sport Events | SOFTBALL TOURNEY AS FINISH NEARS

STANDINGS Lose E. E. 3......1

The baseball tourney has finally resolved itself into a tangible affair. Of the nineteen starting teams, but the seven above remain. After this week's schedule has been run through, few enough teams to make the planned round-robin finish possible, should remain.

The Ch.E. 3 team, which lost the final match last year to the E. E. 3 team, is again at the top, and the senior schmiers are right beside hem. Both teams have won their games by big scores, but a comparison is not possible since they have

Seniors Rule Roosts

Completing the list of seniors dominating the top of the standings are the Mechs, Elecs, and F.P. teams, just the senior civils missing for a slam. The F. P. team had a big time last week, dropping the Ch. E. 2 and C. E. 4 teams from the lists, and giving the Jr. E. E. team an 11-9 loss. They have lost one game to the M. E. 4 team.

The Ch. E. 4-E .E. 4 game today means a loss for one unbeaten team and the Rod-can-E. E. 3 match tomorrow puts one team out. The surinterclass championship medals vivor of this match will be tested again Friday, as both are tentatively booked against "tops".

THIS WEEK'S GAMES

Tuesday, May 7 2:00-E. E. 4 vs. Ch. E. 4.

Thursday, May 9

2:00-Rod-cans vs. E. E. 3.

Friday, May 10 10:30-E. E. 4 vs. E. E. 3. 1:00-Rod-Cans vs. Ch. E. 3.

2:00-M. E. 4 vs. Bodnar's.

TECHAWKS DEFEAT WHEATON IN FIRST BASEBALL VICTORY

BOX SCORE AB. R. H. PO. A. E Armour (15) Seidenberg, lf. Wagner, ss. Bothwell, ss. Omiescinski, 1b. 5 Lauchiskis, 3b. Adamec, cf. Shewchuk, rf. Heike, rf. Bartusek, c. Phillips, c. Beigler, 2b. 4 2 1 0 3 0 Kossuth, p. 38 15 11 27 16 Totals

AB. R. H. PO. A. E. Wheaton () Frohock, cf. Hansen, rf. Bower, If. Gray, ss. 4 0 1 10 Glover, 1b. Wilson, c. Sewall, 3b. Walker, 3b. Grosser, 2b. Stuart, p. Erickson, p. Totals

Playing the kind of ball of which they are really capable, the Tec- trated their runs in the 3rd, 4th and hawks last week trampled on Wheato finally enter the win column.

except for the fifth inning when he allowed the two Wheaton tallies to balls and eight scattered hits. Four in starting the scoring proceedings. ponents got a hit.

total of 12 garnered off the com- ing home.

HURONS SCORE IN NINTH TO DEFEAT TECHMEN, 6 TO 2

Adverse weather, and the Michigan State Normal squad, were too much for the Armour Techhawks they lost by a 6-2 score.

Armour was the first to break holding the play-offs in the fall. into the scoring column, putting two across the plate in the second, but 0 by slamming out a two-base hit and Shewchuk singled, sending Adamec to third. Shewchuk stole second and Coggins, Normal pitcher, made a 8 are fairly certain. wild pitch which let Adamec score and sent Shewchuk to third. Beigler then laid down a bunt which scored Shewchuk.

third with two out. Omiescinski, Lauchiskis, and Adamec, were on Muse, and Shewchuk laid down a perfect bunt, but Normal was all set for the play, and they nabbed 4 0 3 0 2 0 Omiecinski at the plate. The bases 36 2 8 24 13 9 were all full of Armour sluggers in Wheaton000 020 000- 2 the sixth, but the best that Biegler Armour350 030 40 -15 could do was to hit into a double play. "Dapper Dan" Delve then struck out to end the inning.

Michigan State Normal concen-9th innings. They scored one apiece ton to the tune of a 15-2 trouncing in the third and fourth, and bunched five hits to score four runs in the Kossuth, who was never in trouble first of the ninth-enough to ruin Armour's ball game.

cross the plate, was complete master | bined hurling of Stuart, who lasted of the game, fanning eight men less than two innings, and Erickson.

while allowing only one base on! No time was wasted by Armour blank innings passed before the op- In the first inning Seidenberg tripled over the center-fielder's head Another pleasing feature of the and was immediately joined on base game was Armour's clean-cut field- by Wagner, who walked and stole ing, a clean slate for the day being second. Omiescinski's hit, his first marred by one infield bobble. The of three in five trips to the plate, Techawk's slugging came as a pleas- scored both men. Tad himself scored ant surprise, with everyone in the when, after reaching third on a starting line-up but Shewchuk con- throw-in and an infield out, he astributing at least one bingle to the tonished all five spectators by steal-

Annual Spring Net Meet Under Way

And once again the spring teanis tourney looms on the horizon! This annual contest has had poor luck in years gone by, in that it seldom last Thursday, and consequently reached completion by the end of the school year. This necessitated

However, a spirit of optimism, nurtured by manager Searl, pervades the atmosphere this season. that was all that they could do for All games are already scheduled, and the day. Adamec started the second | May 13 has been set as the date for the completion of the preliminary rounds. At this rate the elimination will be rapid and chances for completion of the tournament by June

Last fall the tourney was won by Arnold after defeating Bodnar of the Freshman class in a fast contest on the Armory floor. Prior to this, Tony Cieslewicz was victorious in Armour had the bases full in the the spring of 1934 and Mickey Lukas took the honors in the fall of

вох	SC	OR	E			
Armour (2)	AB.	R.	H.	PO.	Α.	E.
Seidenberg, lf.	5	0	1	0	1	n
Wagner, ss.	5	0	1	1	1	0
Omiescinski, 1b.	3	0	1	11	1	1
Lauchiskis, 3b.	4	0	1	3	3	0
Adamec, cf.	2	1	2	1	0	0
Shewchuk, rf.	2	1	1	1	0	0
Bartusek, c.	4	0	1.	10	3	2
Biegler, 2b.	2	0	0	0	2	0
Delve, p.	.3	0	0	0	5	2
Totals	31	2	8	27	16	5
Mich. Nor. (6)	AB.	R.	F-1.	PO.	. A.	E.
Good, rf.	5	1	2	1	0	0
Parker, lf.	4	1	2	2	1.	0
Wendt, 3b.	5	1	2	2	4	0
Worzniak, 1b.	5	1	4	10	1	0
Wilson, c.	4	1	1	7	0	2
Johnson, cf.	4	0	0	1	0	0
Devine, 2b.	4	0	1	2	0	0
Rasbury, cc.	2	0	1	2	1	0
Coggins, p.	3	1	0	0	3	3
Totals	27	6	13	27	10	5

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