

TECHNOLOGY NEWS

"World's Greatest College Newspaper"

VOL. 26—No. 3

ILLINOIS INSTITUTE OF TECHNOLOGY, CHICAGO, ILLINOIS, OCTOBER 15, 1940

Z-143

FIRE PROTECTS TO SHOW FILM OF LAB TESTS

The Fire Protection Engineering society of Armour college will sponsor a showing of the official movies produced at the Underwriters' laboratories, official testing station for the fire and casualty insurance companies. Because of the widespread interest that has been shown in these films all over the country, they will be shown in the auditorium of the Student Union Friday morning, Oct. 18 at 10 A. M. so that all of the students are interested may attend.

These movies have been widely circulated in connection with National Fire Prevention Week. Called "Approved by the Underwriters," the film runs almost forty-five minutes. It gives a very complete and non-technical summary of the operations of the engineers at the laboratory.

Test Devices

Actual tests of products used every day by people in all walks of life are shown; products upon which we rely for our every day safety from fire, theft, and accident. They show how the tests are made and why some devices pass and others fail.

The start of the film shows tests on building materials—actual tests in a roaring furnace. From the furnace the materials are subjected to the sudden cooling and the terrific impact of high pressure hose streams. The movies then shift to the tests of the hoses and
(Continued on page nine)

Hendricks And Editors Speak To Reporters

The staff and reporters of the Technology News met for their first meeting this year in the east dining room of the Student Union, Thursday evening, October 10th. The purpose of the meeting was to acquaint the new reporters with what is expected of them as members of the Technology News.

5 O'clock Deadline

Joe Aberer, as master of ceremonies, first introduced assignment editor Tom Brown, who pointed out the advantages of being on the paper. Tom told all reporters to be prompt in getting their assignments in each week and to cover their stories completely, submitting them to the editor at the deadline—5:00 P. M. Friday.

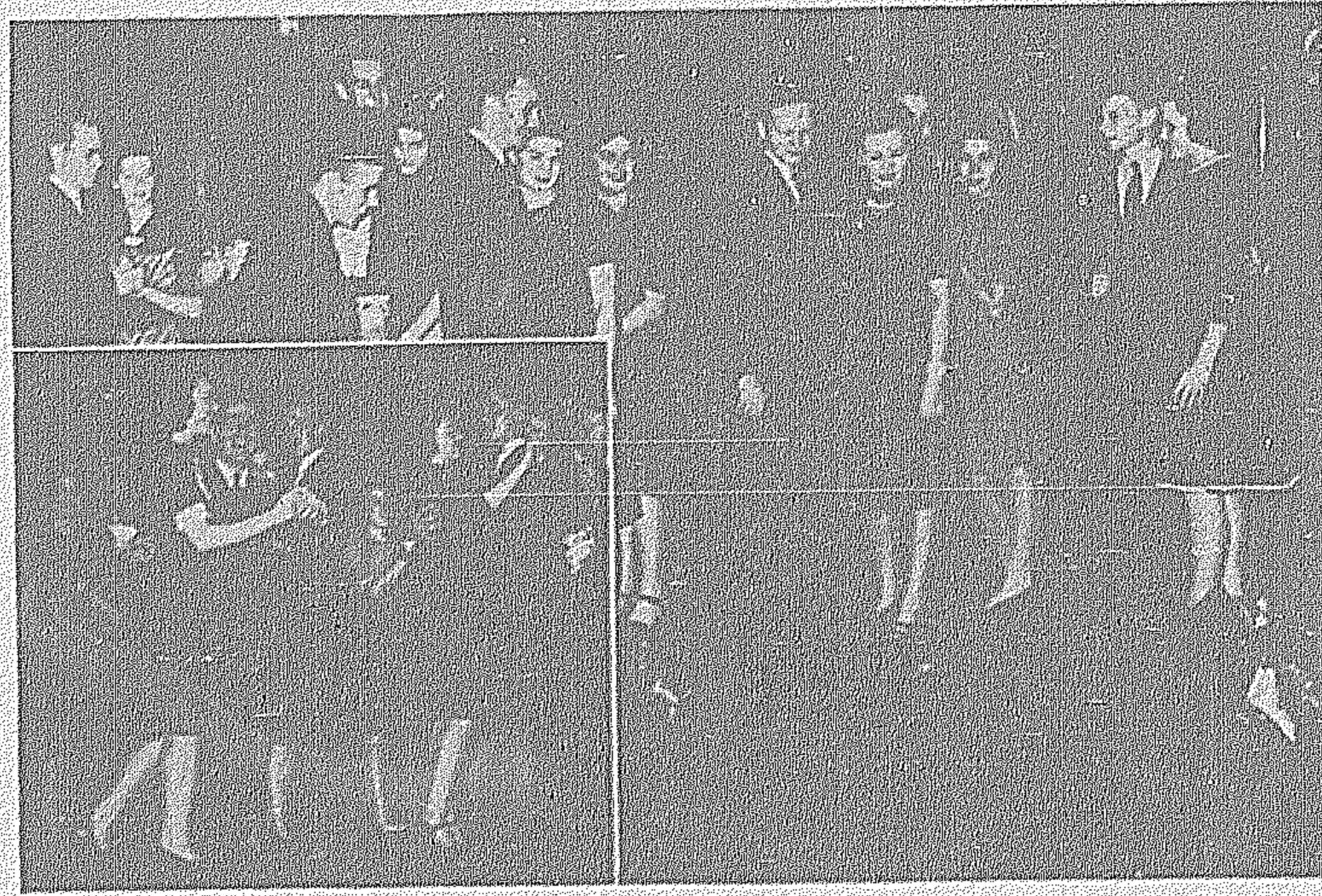
Nose—For—News

The other assignment editor, Dan Brown, urged each student journalist to be on the alert at all times for news concerning campus activities. He seconded Tom Brown's statement stressing the need for cooperation in meeting the deadline.

In his congenial and forceful manner, Professor Walter Hendricks, faculty advisor of Technology News, reviewed a recent issue of the News, pointing out places for improvement in the writing or style of the reporters and editors. He requested that each reporter feel his responsibility

(continued on page three)

DANCE "FLOORS" PHOTOGRAPHER



By Bob Anderson, Staff Photographer

Ed Center, Technology News Photo Editor resorted to this unorthodox position to get an unusual picture at the Co-op dance Saturday evening. Inset is result.

Dismiss Classes For Registration Under Draft Act

In cooperation with the Selective Service Board of the States of Illinois, Illinois Institute of Technology has made arrangements for the registration of out-of-town students tomorrow, Wednesday, October 16, in the auditorium of the Student Union of the Armour college. Only those students not living at home will be permitted to register at the institute, according to Mr. W. E. Kelly, registrar, who will be in charge of the selective service registration. The enrolling will be from 7:00 A. M. to 9:00 P. M.

Classes Dismissed

For the benefit of those students who will register at their local selective service board, all day classes will be dismissed. This means classes at both campuses. Evening classes will be in session as usual.

Students living at their legal addresses will find their registering places listed at their regular precinct polls.

Assisting Mr. Kelly at school as registrars for the selective serv-
(Continued on page ten)

Erickson Directs Combined Musical Clubs of School

By Ruth Storz

Under the direction of Gordon Erickson, the new director, the Lewis Glee Club of the Illinois Institute of Technology met in the auditorium for its second rehearsal of the year on Wednesday, October 9, at 3:00 P. M.

This year among several other programs, the Lewis Glee Club is expecting to present a Christmas Program in cooperation with the Lewis Player's club, which should prove to be attractive to all. One of the outstanding selections of the program is to be the "Prayer" from the well-known, and well loved operetta "Hansel and Gretel". In this program Mr. Erickson also hopes to feature the Armour orchestra in the orchestration of this famous operetta. It should be a great treat to all. According to Mr. Erickson the girls are going over to Armour to present some songs entirely new to the Armour boys.

Divides Time

Mr. Erickson is dividing his time between the two branches.
(Continued on page ten)

Illinois Institute Chosen By CAA To Sponsor Secondary Pilot Course

Having successfully finished administration of the primary flight course training, Illinois Institute of Technology was one of the many institutions throughout the United States chosen by the Civil Aeronautics Authority to sponsor the restricted commercial (secondary course) college phase of the 1940-41 civilian pilots training program.

The C. A. A. has entered into contract with Illinois Institute for ground training of a group of selected men who have satisfactorily completed the preliminary course in previous sessions of the training program. A selected flight instruction contractor for the flight training and for the ground course instruction in aircraft operation has been chosen.

All courses will commence Oct. 16, and are scheduled for completion by Jan 15, 1941. Ground and flight schedules of individual trainees will be carefully arranged

in advance by Professor M. B. Wells, coordinator of the program, in collaboration with Mr. Brownell, the flight instruction contractor.

The course is divided into two parts: a 126 hour ground course, to be given jointly by the Illinois Institute of Technology and the University of Chicago, and a 40 to 50 hour flight course. The latter will be given by the flight instruction contractor at the Ford Lansing airport, Lansing, Illinois. Ground instruction will consist of the teaching of the following subjects for the specified times:—48 classroom hours of power plants, including the study of accessories and propellers; 24 classroom hours of navigation; 36 classroom hours for study of aircraft, which includes aerodynamics and structure; 18 classroom hours of aircraft operation, the latter to be
(Continued on page three)

ITSA Informal To Foster United Fraternal Spirit

DEFENSE PLANS STUDIED DURING SUMMER AT I.I.T.

Following a request by the federal government that engineering schools throughout the country should prepare to take part in the national defense program, Illinois Institute's engineering department heads and administrative officers met to map out a method of approaching the problem. Present at the meeting were President H. T. Heald, Vice-President L. E. Grinter, Dean C. E. Clark, Dean C. A. Tibbals, Professors B. B. Freud, P. C. Huntly, H. McCormick, J. C. Peebles and J. I. Yellot.

Appropriation Made

Congress has already appropriated a total of 90,000,000 dollars to be distributed to engineering schools according to the part each is capable of playing in the program. Illinois Institute, being the most prominent engineering school in the center of an important industrial district, will undoubtedly play one of the largest roles in the program.

This "up-grading process", as it is being called, is intended to raise the ability and status of men now working in industry. It will also create an unlimited number of jobs for men who are unemployed at present. The courses
(Continued on page nine)

SEEK NEW ARMOUR EYE SPONSOR FOR PHOTO CLUB FANS

By Herman Tachau

The Armour Eye is looking for a man—that's why the members refer to it as "she". Not any man will do—which takes it out of the "Cobina" class—he must be a faculty man interested in photography. He must be willing to take over Prof. William W. Colvert's position as faculty sponsor of the kodak-conscious students, as Prof. Colvert is on leave of absence. Anyone interested is invited, or more accurately, begged, to communicate with Bob Zelin.

"Too much of a good thing" said the members referring to the frequency of the meetings, so the number of meetings has been cut from four to two a month. Many of the photographers were unable to attend because of departmental society meetings interfering with the too-frequent darkroom conclaves. Therefore, October 25th will witness the next assembly.

Evening Meeting

A special night gathering for members, pledges, and anyone else interested, even if not a member of the Institute's student body, will occur October 18th. The vice president, Peter J. Stanley has promised a good guest speaker, Mr. H. Rafchke, of the Western Electric company. He will speak on the solution of photographic problems by the use of photoelectric devices, concentrating, it is presumed, on the famous Weston exposure meter. Drop in at 7:30 p.m. if you are interested, in 2 W. Student Union.

Cars to be Supplied by Armour Groups

So that the Lewis girls can attend more completely en masse, the date of the I. T. S. A. dance has been changed to FRIDAY, Oct. 18 in the Armour auditorium. The date was changed from Saturday to Friday so that more Lewis people could attend.

This is the first of series of steps sponsored by the I. T. S. A. to make the legal and educational union of the two schools a merger of spirit and fraternity. This dance will be patterned after the old fashioned "get-togethers" although it is not intended that it should be a "glorified wolf-fest." Many of the fellows have already expressed their intention to stay out of the stag line by coming with their dates.

Orchestra to Play

The "Knights of Armour," the well known jazz orchestra of the Armour campus, will accompany the dancing with their music. The style of this is not devoted entirely to either "jumpin' jive" nor to "saccharine syncopation," but is a well chosen mixture of the two varieties.

The Dance club and the members of the Technology News are cooperating to supply co-eds with transportation to the dance from the Lewis campus. The bulk of these arrangements have been made by Mickey Walker and Fred DeMoney. If any fellow is willing and able to transport any group of these girls, the officers of the I. T. S. A. want him to see "Sonny" Weissman and sign up for a group.

THIS WEEK AT I.I.T.

Tuesday, October 15:

Sigma Omicron Lambda Rush Luncheon at 12:30 in the Sorority Apartment.

Joint meeting of the Lewis and Armour Drama Clubs at 4:00 in the Lewis Auditorium.

Fencing Club at 5:00 in Room 500 at Armour.

Lewis Boys' Gym 2:00-5:00.

Orchestra Rehearsal at 5:15 in the Student Union.

Wednesday, October 16:

School dismissed for Selective Service Registration.

Thursday, October 17:

Lewis Boys' Gym 2:00-5:00.

Armour Glee Club at 5:15 in the Student Union.

Fencing Club at 5:00 in Room 500 at Armour.

Friday, October 18:

Kappa Phi Delta Rush Luncheon at 12:30.

A.S.M.E. at 10:00.

A.I.E.E. at 10:00.

A.I.Ch.E. at 10:00.

A.S.C.E. at 10:00.

Camera Club at 8:00 p.m. in 2W Student Union.

Monday, October 21:

Daedalian Meeting at 12:30 in Room 537 (Lewis).

Lewis Glee Club at 3:00 in the Auditorium.

Pi Nu Epsilon at 4:30 in 2W Student Union.

Lewis Girls' Gym 1:00-4:00.

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Lets Have Cooperation--

We take pleasure in announcing this week that some of the weightiest of our student problems arising from the Lewis-Armour merger are beginning to show some signs of solution. However, we feel that a definite change in present relations between our two student bodies must take place before we can progress further.

We consider it our duty to clarify to the best of our ability some of the most obvious disagreements. We believe that absolute honesty and a complete discussion of the present situation is the only way that a true spirit of cooperation between the two schools can be attained.

The Newspaper--

The operation of the Technology News has been satisfactory so far, we feel, when the obstacles which confront us are considered. Lack of telephone communication between our two separate staffs has made very difficult the inter-leaving of material to form one paper. We have petitioned the Institute officials for telephone installations, but have received no encouragement to date.

Our biggest problem, and one common to most of the combined organizations, is of course, finances. While it is certainly true that members of the Lewis staff have boosted the income of the paper by securing new advertising, we find that the inclusion of the additional Lewis news (which we are most interested in building up) is exerting a strain on the budget. It appears to us that the only way that Lewis students can continue to have a proportionate share of the news and feature space devoted to their activities is for them to develop a compulsory subscription plan such as the one used at Armour.

The Yearbook--

Editors of Armour and Lewis yearbooks meet this week to discuss possibilities of producing a combination yearbook for both schools. While most students on both campae agree that one yearbook would be better than two separate ones, it is felt that many concessions must be made by Lewis and Armour editors before it is a definite possibility. Considerable diplomacy will be required in this case.

Student Government--

The Armour College Student Association (formerly the Armour Tech Student Association) has invited delegates from Lewis to attend all of its meetings. These people are interested in activities as administered at Armour and can see some of the actual and potential parallels at Lewis. When (and we hope it will be soon) Lewis students have decided on a compulsory activities fee, then a similar organization can be formed at Lewis to determine how the money contributed by its students will be spent. Armour has long used an activities fee and the ACSA has become adept at its administration. Lewis students can learn the advantages and shortcomings of the Armour setup in anticipation of a control board of their own.

Misconceptions--

It appears to us that the essential disagreement between the tippical Lewis student and his Armour counterpart is founded on a misunderstanding of the motives behind present consolidation plans.

The Armour student feels that his friend from Lewis is an interesting person to know and that any effort on his part to create better relations will be rewarded by improved organizations.

In this lies most of the trouble, we believe, for the Lewis student mistrusts the motives involved and looks for a "nigger in the woodpile." Perhaps the Armour students have been too confident in their suggestions, too sure that these are the best for everyone concerned. Perhaps the Lewis student has not had a chance to express his viewpoint—or has not dared to. Our activities cannot and will not be combined by the forcing of terms (regardless of intentions) by one faction on to another.

We urge Lewis and Armour student alike to decide on a definite plan of action with regard to activities fees, publications, and organizations—and then to follow it with all the perserverance of which they are capable.

Lewis Library--

By Pat Arns

Spacious reading room . . . silence supreme . . . and Smitty standing by to keep it so . . . smiled greetings . . . scratching pens . . . scribbling pencils . . . paper being crumpled in despair . . . heads bowed in study . . . math problems in the process of being solved . . . chemistry formulae, original and derived . . . unsolved physics problems . . . themes being written . . . freshman engineers studying how to study . . . historians pouring over modern history books, wondering when they are going to stop changing . . . social gatherings being planned behind ponderous Atlas' . . . future dieticians figuring caloric content . . . miscellaneous reference books in use at the tables . . . 40,000 volumes on the shelves . . . magazines bound and unbound around the corner of the reading room . . . students groping for research are brought to light by Mrs. Craig or Margaret Murphy . . . night school students studying and waiting for classes . . .

This is a glimpse of the Lewis library. The library is open to the students from 8:00 A.M. until 9:00 P.M. except Wednesday when it is open until 5:00 P.M. The circulation amounts to approximately 20,000 a year.

Smoking--

By Betty Kennedy

Students who like to smoke take notice! Did you know that there are objections to your smoking within this fort? Well, there are, but you can get around that. You needn't quit the premises or hide just to have a drag. Just scamper down to the cafeteria and make it your new home.

Come on down and study at any time. Mrs. Kollé, the hostess, loves company. Incidentally, you might try the food. Its positively the best you can buy. Try drowning your sorrows in a soda or eating your way through a ham sandwich.

If you really co-operate we may have a coke box and a first class soda fountain soon.

As you know, it's against the fire ordinance to smoke in the rooms and halls at Lewis. So this is your big opportunity to do as you wish. Don't go out in the rain and snow to have a smoke. Keep in step with the crowd for it's the fashion to "meet the people" in the Cafeteria.

ITSA DANCE FACTS

OCCASION

- Get-Together Dance
Lewis and Armour Campus

DATE

- Friday Night, Oct. 18

TIME

- 8:30 - 12:30

PLACE

- Student Union
33rd & Federal

PRICE

- For Men, \$.25
For Women - Nothing

WHO

- You come Alone, or bring a date

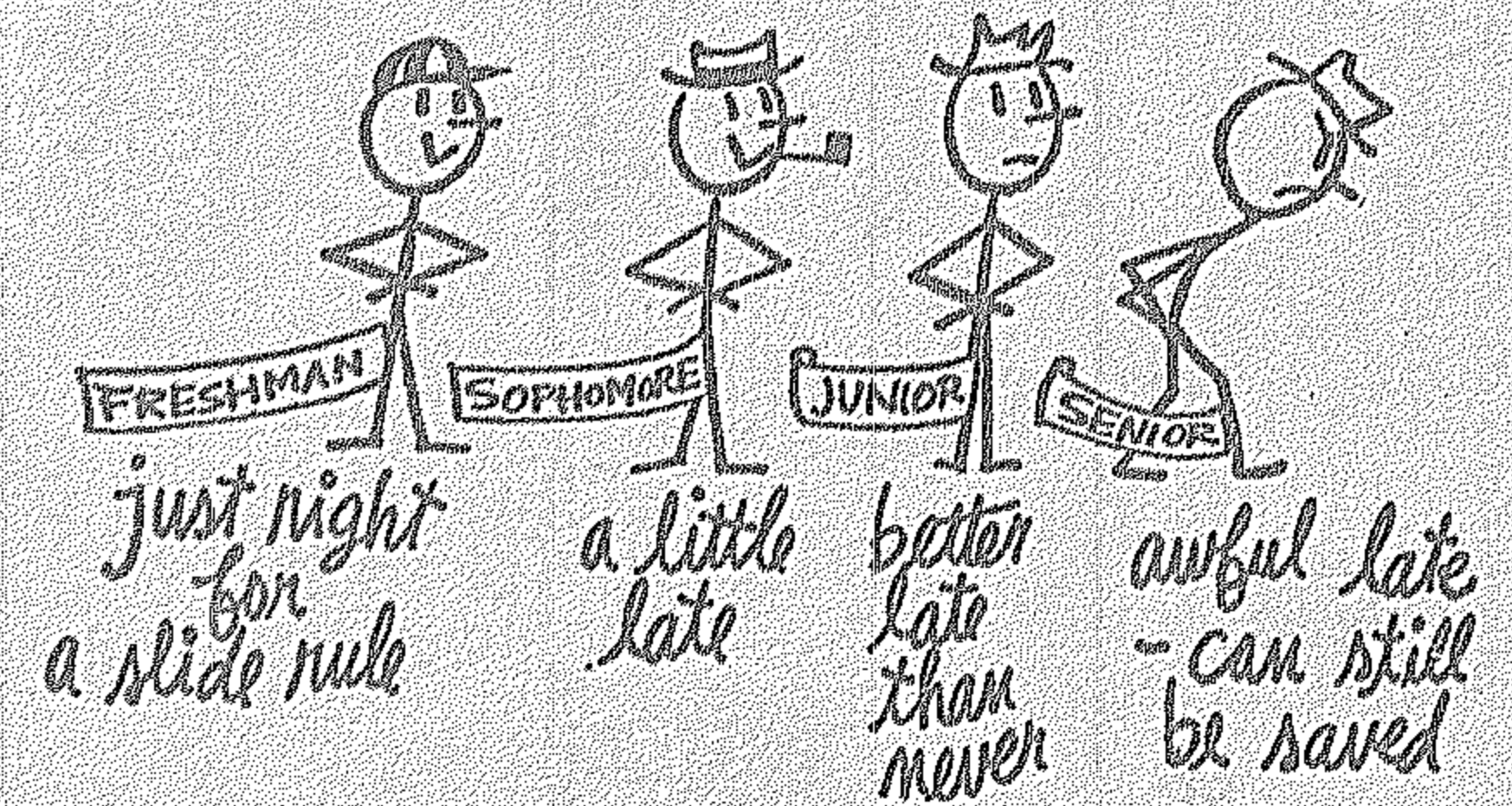


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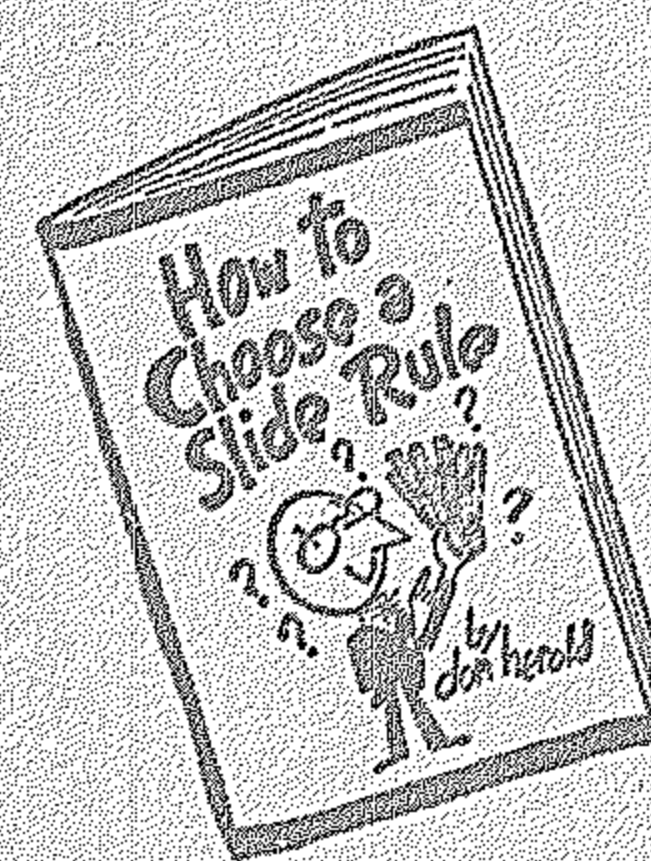
The sooner you find the right Slide Rule, the easier your life will be. Don Herold, who can explain anything, has taken all the mystery out of Slide Rules in this handsome new book, rich with illustrations. Choosing a Slide Rule is a cinch when you do it the Don Herold way.

"How to Choose a Slide Rule" is yours with the compliments of the management—if you ask for it in time. See your campus K & E dealer at once.

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DR. MARIN PENS NEW TEXT ON STRESS THEORY

A neat little booklet, called *Working Stresses*, has just been published by Dr. Joseph Marin of the department of civil engineering at Armour college. This treatise was published through Rutgers university, where Dr. Marin had been teaching before he came to Illinois institute.

Considering that this book is intended as a text for advanced classes in theoretical engineering mechanics, there is no trace of the difficult and complicated phraseology usually encountered in more advanced engineering subjects.

Copious Bibliography

In the list of bibliographies, the author displays copious knowledge of the literature of theoretical mechanics. There are many references to articles in foreign journals, but warning is hereby given that the printers have misspelled many of the foreign words.

To encourage students to actually read the book, it has only 39 pages, and is filled with many illustrations and other graphical representations.

Grads Get New Courses To Meet Huge Enrollment

By Bob Mahassek

Many new courses and a large increase in the student body highlighted the extensive graduate program of Illinois Institute of Technology, for the year 1940-41. New courses have been added in physics, mechanics, and in the departments of chemical, civil and electrical engineering. A one-third increase of students in the evening division over that of last year has raised the number of the evening student body to 425, while the graduate students in the day school have increased approximately fifty per cent.

New Courses Offered

Dr. J. C. Morrell, adjunct professor of chemistry and chief of research at Universal Oil Products, is introducing a course in petroleum refining and hydrocarbon technology. Advanced physical metallurgy, taught by Prof. J. L. Miller, is designed for those wishing to make a major study of physical metallurgy. For the second year Prof. Manley will teach organic plastics. This course was introduced last year and proved so popular that it is again part of the graduate curriculum.

Water Treatment

In the department of civil engineering two courses have been added. Mr. John R. Baylis, who is in charge of the experimental filtration plant of the city of Chicago is giving a course in water treatment processes, while Dr. F. W. Mohlman is instructing in the chemistry of sewage treatment.

Theory of Electron Tubes

The theory and applications of electron tubes, a new feature of the electrical engineering department, is being given by Prof. R. G. Sarbacher, who came from Harvard university. New this year in the physics department is Prof. Cleveland's course in spectroscopy and atomic structure.

(Continued on page nine)

NEW DIE-CASTING TECHNIQUE SUCCESS IN RESEARCH SHOP

By Earl Sherman

Since last November, when the construction work began on the new research foundry, great progress has been made in the die-casting project which is being carried out by the research foundation. The project, which is sponsored by the Wetherell Engineering Company of Philadelphia, is designed to improve the process of die-casting of the cast metals.

Work During Summer

During the summer, construction of the foundry itself and the die-casting machine was completed. The actual experimenting with the process of die-casting is now in full swing. Mr. Schumacher, who is in charge of this project, has expressed hopes that the project will soon be completed.

Die-casting is the art of producing accurately dimensioned parts by forcing molten metal under pressure into steel molds or dies. It has, in recent years, grown to be a major industry. The improvement of the technique of the die-caster and the mechanical perfection of the process is the objective of experimenters throughout the country and the research foundry here at Armour.

New Machine

The research foundry has constructed a new and advanced type of machine for the pressure die-casting of iron. They have been working with the molding of grey iron into pipe flanges and clutch plates. Most of the present work has been done on pipe flanges.

The accuracy for which Mr. Schumacher is striving in this project, is accuracy to within one thousandth of an inch for every three inches. If this degree of accuracy is achieved, it will be a great improvement over the present commercial processes of die-casting.

Since this project is achieving the usual success of a research foundation project, it seems safe to say that bigger and better projects will be launched as a result.

CAA--

(Continued from page one)

taught by the flight instructor.

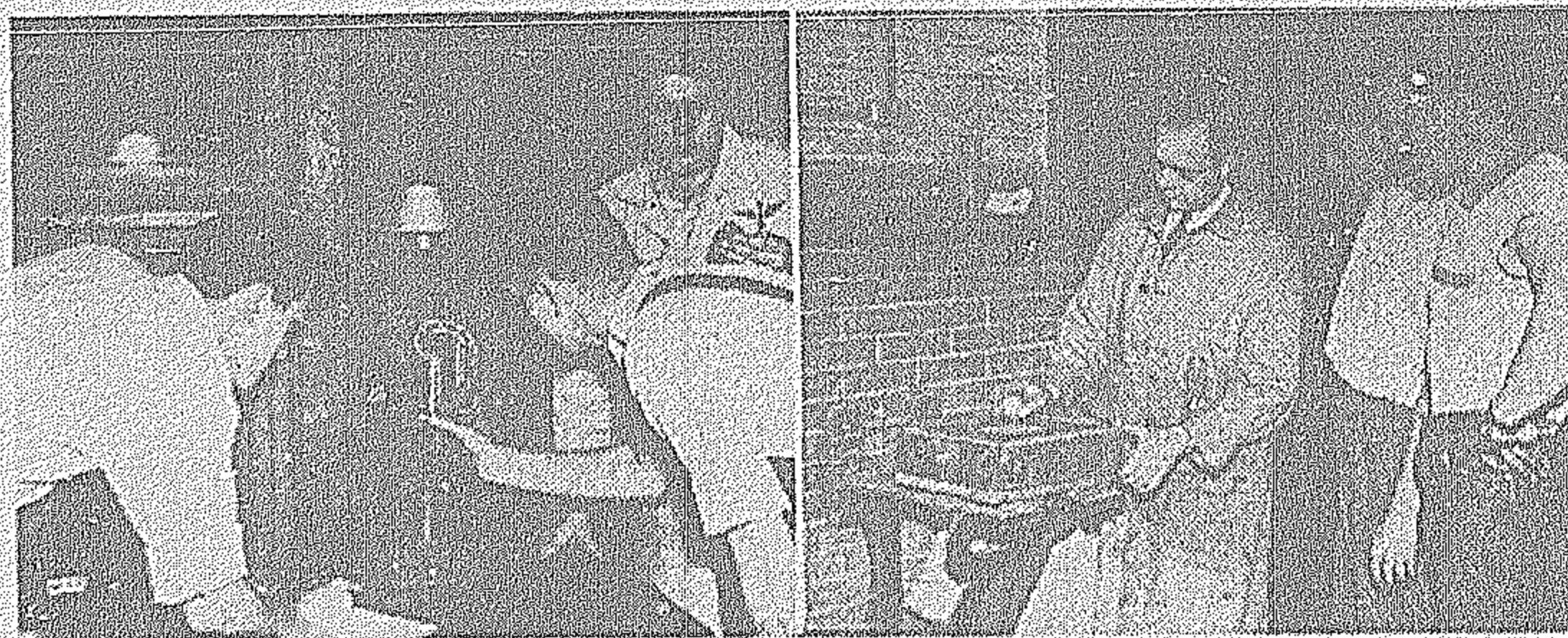
Ground school equipment available for demonstration is as follows; one modern airplane, complete with engine, two types of aircraft wings, showing different types of construction and methods of attachment to fuselage; three engines of different types, two air cooled and one water cooled.

The flight equipment is a tandem, open biplane with stick control. The plane is capable of developing a maximum of 224 horse-power.

A moderate fee, payment of insurance and additional medical examination will be required of each student. Text book and forms for instructors and trainees will be provided without cost by the C. A. A.

The institute will grant credits subject to approval by C. A. A. to a man who has satisfactorily completed the training in the restricted commercial (secondary course). The granting of such credits, however, will not exempt the trainee from any examination either by the institute or by the C. A. A.

STUDENT FOUNDRY PRACTICE



By George Raymond, Staff Photographer
Action photographs showing beginning foundry students performing their first experiments in constructing sand molds. To your left, observe the gentlemen of the "Soil permeability testing division," otherwise known as the happiness boys, tending to their permeating. From left to right, Ted Wiccorek, Clifford Korski, and Howard Walsh, all Junior Mechs. The purpose of this test is to determine the porousness of the sand.

In the right-hand picture please note that the object in Professor Kosacka's hand is not an egg, but an instrument for testing hardness of clay molds. The spectators, Raymond Swanson and John Rebak (front) are watching anxiously while the uniformity of the hardness of their mold is examined.

News Dinner--

(Continued from page one)

bility in keeping up the standard of the newspaper. Mr. Hendricks concluded by commending one of the reporters for a good story, and used it as an example of the quality of the work expected of all reporters on the *Technology News*.

Peter Woods, the editor-in-chief, recognized the presence of several members of the staff from Lewis, and he spoke briefly of a system of awards to be given for exceptional service on the paper. Press cards were given to the veterans. An invitation to all who wish to visit the *Technology News* offices was given by James Waber, the office manager. He requested that visiting hours from two to five P. M. on Friday be observed, so as not to interfere with the staff, always busy at this time.

TEMPORARY FROSH OFFICERS CHOSEN AFTER HOT FIGHT

By Ed Farrell

Pep characterized Armour's freshmen class election of temporary officers in the auditorium on Friday, October 11th. Dick Larson, president of the Illinois Tech Student Association, took charge of the meeting and regulated the ensuing fireworks.

The presidential struggle was an exciting one. Jim Alger, a chemical, won by the narrow margin of four votes over John Valentine, his strongest competitor. Election to the office of secretary, however, seemed a "pushover" for the popular Bob Howard, who nearly doubled the votes of his closest opponent and won a majority of all votes cast.

Close Balloting

The next office to be filled was that of freshman representative on the Student Union board. The filling was done by Ernie Kulik in another close election. As representative, Kulik will share in control of activities within the Student Union building. In the last election the winner, Don Maihock, was followed by a tie between Earl Mills and Bob Morris. Maihock became the freshman voice in the Illinois Tech Student Association.

In conclusion Presiding Officer Larson repeated that these men were temporary officials and that the positions would be more permanently filled in about two weeks. He explained that nomination of each candidate will probably consist of a 25-name petition, and that semi-final elections will follow. And so the yearlings are off to a fast and business-like start.

COMBINED GLEE CLUBS TO GIVE VARIETY SHOW

Once more the walls of the Student Union are reverberating as the musical organizations prepare for a new and eventful season. Each day the sounds become more musical as Mr. Gordon Erickson puts his charges through their paces at rehearsals.

The orchestra has been augmented by students from the Lewis Institute campus, the results of which should be an organization capable of excelling the past performances of either component. Plans are under way whereby the glee clubs of both colleges will be heard with the orchestra in several important concerts. As is customary, the clubs will make a number of guest appearances in and around Chicago. The schedule will include radio broadcasts as well as personal appearances. Details of programs will appear in future editions of the *Technology News*.

The girls' glee club on the Lewis campus will present a Christmas program which should be most interesting and beautiful. The orchestra will assist in this performance. A feature number will be *The Children's Prayer* from *Hansel and Gretel*, by Humperdinck. This special concert will be given at the Lewis campus, and possibly at the Armour campus just before the Christmas recess.

Mr. Erickson, musical director of Illinois Institute of Technology, is anxious to complete the membership of the groups soon. Several more men with tenor voices are especially desired. Students with previous orchestral experience are urged to try out. Orchestra rehearsals are held each Tuesday at 5 o'clock in the Student Union.

Clarence McDonald Appoints Commission For Frosh Election

In probably their tamest meeting to date, the class of '43 got together for an emergency meeting last Friday at 10:00 o'clock. The meeting, which was held in the student lounge, was accompanied by the blatant sound of the lounge radio.

This mobilization was the first since the class convened last spring to discuss ways and means to defend themselves in the class rush. The main objective of this meeting was to determine the method of electing officers for the class.

Commissioners Appointed

Clarence McDonald, president of the ex-freshman class, presided over the gathering. He appointed Sam Fina, Jack Cameron, Jack Byrne, Bill Lease, and Bob O'Donnel as commissioners in charge of the election.

Candidates should hand in petitions signed by 25 students for the individual officers. Next Thursday a primary election will be held, and the two highest candidates for each office advance to the finals.

Armour Students who did not receive their 1939-1940 Cycles last June may do so now at the book store.

Signed, Don Crego,
Business Manager,
Cycle, 1941

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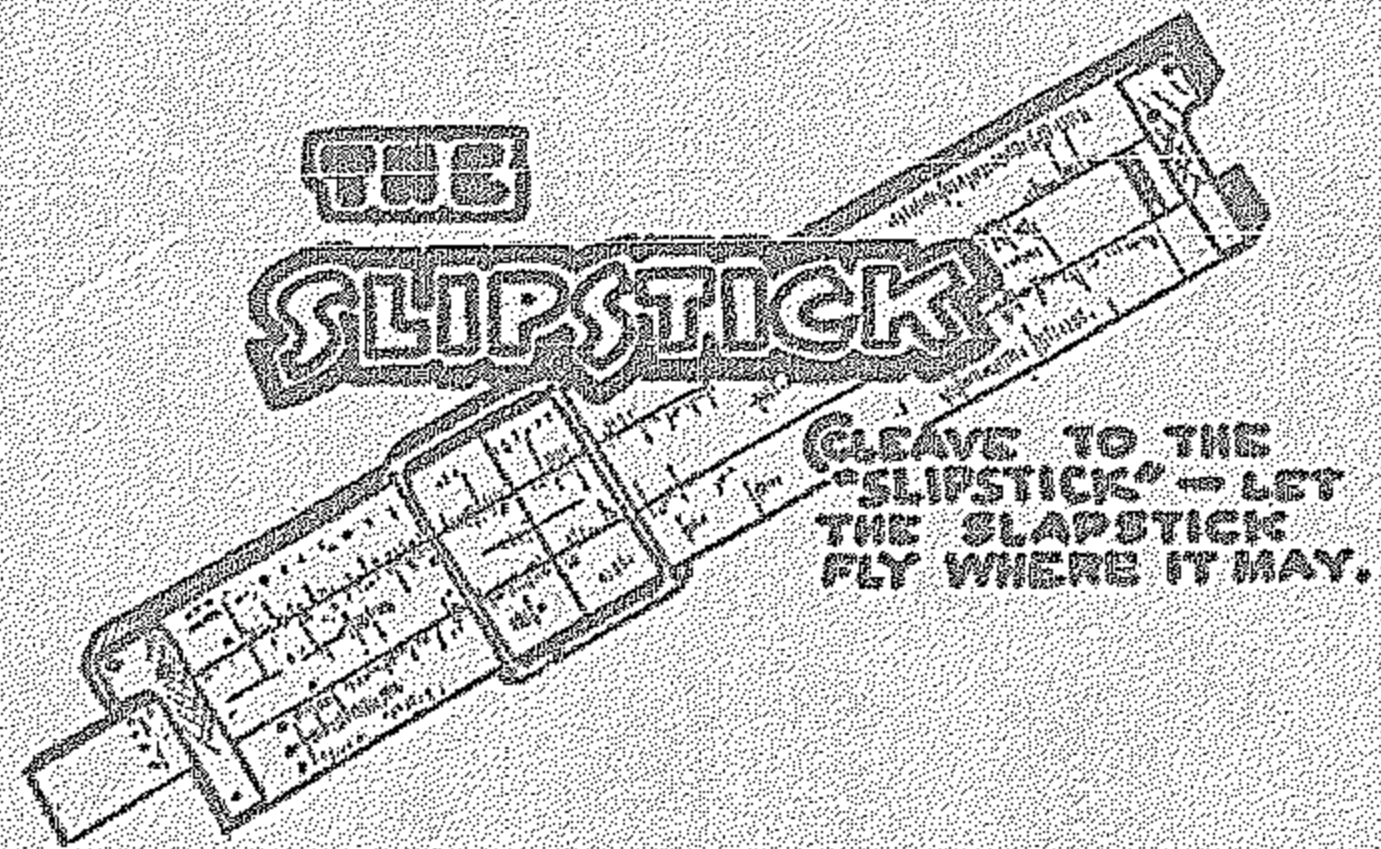
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GLUE TO THE "SLIPSTICK"—LET THE SLAPSTICK FLY WHERE IT MAY.

Gad Man, what am I gonna do now? Here it is only the third week and the jokes are running thinner than water, or didn't you notice. So this week we begin with the words of the little bug as he hit the windshield: "It takes a lot of guts to do this."

* * * *

The night was dark, and the hour late, when the lone merry-maker advanced unsteadily toward the concrete lamp-post. Gingerly touching the rough surface he felt about until assured of a solid support and then leaned back, resting. After a few minutes, deciding to again pursue his alcoholic path, he turned and felt carefully about the surface of the post. Round and round he walked, never taking his hands off the concrete.

Amazement gave way to despair and at last, sinking down on the pavement, he gasped: "My God! I'm walled in."

* * * *

Little Willie, in bows and sashes,
Fell in the fire and got burned to ashes.
In the winter, when the weather is chilly,
No one likes to poke up Willie.

* * * *

Bear in Mind

"Going around with girls a lot keeps you young."

"How come?"

"I started in going around with them four years ago when I was a freshman, and I'm still a freshman."

* * * *

A woman is a person who wears a skirt short enough to show her knees and self-consciously pulls it down to keep her knees from showing.

* * * *

Lake Forest—Don't you love driving on a night like this?

Ray Leibbrandt—Yes, but I thought I would wait until we got farther out into the country.

Nuts

What did the first rheumatism pain say to the second rheumatism?

Let's get out of this joint.

* * * *

Matt: "I hope you'll dance with me tonight."

Kay: "Oh, certainly, 'I hope you don't think I came down here merely for the pleasure."

* * * *

With Violet cuddling in his arms,
He drove a car—poor silly,
Where he once held his Violet,
He now holds a lily.

* * * *

"She works in a questionable place."

"You don't say!"

"Yes, a Bureau of Information."

* * * *

The week after next will be your chance to appear in the olde SLIPSTICK. The column will be made up from contributions. Take out all those old jokes you've got at home and turn them in. All one has to do is give them to anyone connected with the paper or place them in the box in the Student Union which will be put up for that purpose. All of you at Lewis may give your gems to the Lewis reporters. Shoot 'em in before Wednesday of next week, will you? Swell!

* * * *

Bob, now in his sophomore year at college, wrote home to dad: "Dad, I've decided to cut school and get married. I'm engaged to a regular peach."

Dad replied: "Better take my advice, my son, and leave the peach on the parent stem until you are able to preserve it."

* * * *

Fall is that particular time of the year when the political pot boils over and we get the old familiar odor of applesauce.

OH MIN!

Women Only

By Viodes

Are you living the American Way? If you want to be the "All American gal"—respond to the call of color.

To fit bright colors in with the rest of your wardrobe, you might consider adding a scarlet red wool frock and navy clips for gaiety.

For patriotic jewelry, cut a bold eagle out of red felt and pin it to your suit lapel with a fat gold safety pin—or a flag set in rhinestones makes a very handy pin in numerous ways.

The "South American belle"—a gown of red, white and blue net was a gorgeous creation that won a prize in the \$7,500 Tribune Fashion Contest. The judges can't be wrong—so why don't you keep in tune with the times and try the "American way of dressing?"

Individually is, indeed, something to consider if you want to live up to the grand American reputation. A variety in coat styles makes it possible for you to choose the type that suits your personality.

The dressy coats include the side tie with a ripple drape panel and a gored back. One model which is especially striking is a bright red tweed with a round skunk collar. The fur is carried diagonally across the bodice down the left panel to the hemline. Most of the dressy coats have center closings and flared skirts. Silver fox, mink, Persian and leopard are favorite furs, with the first two predominating. The furs are used lavishly on pockets and collars.

Sports coats are very mannish. The camel cloth trench coat with corduroy lining that zips out is the most popular.

Not only must the individual choose a coat to suit her personality but she must also choose a hat! If you can get away with wearing some of these extreme styles, more power to you! If you happen to be a Susie that disobeys the rules and regulations of flattering hat styles, better not to wear a hat!

For the dressy coat wear a felt hat with a larger brim than you otherwise might. The sports coat takes the soft felt mannish pull-over, while the fur coat is emphasized by a little fur hat, or a small felt fur trimmed hat.

May the American way prove the only way! That of color, individuality and personality, which, in the end, may help to win many a friend.

JUICER'S JACKPOT

By Bernard Rasof

A gripping playlet that will shock men who have shown their metal: coppers, brass hats, and every he-blooded red man with lead in his pants, steel blue eyes, iron in his blood, a silvery tongue, a heart of gold, and of whom it may be said: "Confidentially, he zincs."

COPPER: "Is Volt at ohm?"

MAN: VOICE: "It's all right, I ampere."

COPPER: "You are under arrest. Come with me."

(Volt gets into auto with copper.)

VOLT: "Are you taking me to jail?"

COPPER: "Yes; you can throw goldfish at the walls of your cell—you will be only a jailbird in a gilded cage."

VOLT: "Really? Oh joy; Oh ecstasy!" (Oh Hedy!)

COPPER: "Boy, you really fell for that hook line and, stinker! Say, haven't you a daughter? I would like to meter."

VOLT: "Why?"

COPPER: "I have no current girl friend. Will she show much resistance to my love-making?"

VOLT: "What potential difference does that make? Incidentally, what will you say when I introduce you to her?"

COPPER: "I will ask her to accompany me to a radio broadcast: Major Bowe's armature program."

VOLT: "She can trip the light fantastic well. Will you take her out to dyne and dance?"

COPPER: "Ergsactly! I'm a vapor, I condense too."

VOLT: "Ah, romance! Boy meets coil!"

(Continued on page six)

Arx News

By Arx News

Hang onto your hats, kiddies. . . . Here's the news you've been waiting for. . . . Yes sir, it's the ARX DANCE! ! ! . . . HERE ARE THE FINE POINTS:

Date: November 8, 1940.

Time: 9 P.M.

Place: Medinah Country Club.

Orch.: Henry Carlson.

What: The Arx Dance.

If you haven't got that gal dated do it tonite . . . It will be sweet, smooth, and swinging . . . You can't miss it.

Speaking of gals Schneider won't have any trouble if that gal he has been taking pictures of in the park is around . . . Neither will Kulieke if he can do the same that the guy on the stage did to his gal . . . "Kid correspondence" Pointek to you has a new view on life . . . It seems a change in a certain person puts him right in there pitching . . . To hear it told it would be like pulling teeth to get Larson to the Dance, but we don't know . . . What Junior said he takes a girl out for her personality and not what she wears . . . Hmm!

Seems that Wm. P. has soured on the fair sex . . . How funny . . . To spend eleven cartwheels on one girl, whew! Draft scare plus leap year equal what? For H. T. S. (with thanks to a contributor, let us call she, he, or it, Daisy). . . .

Tradition calls for the sophs to initiate the freshmen into the Armour Architectural Society . . . How about it sophs . . . The Fri. afternoon session put suave D. M. and splashing A. B. in the bucks.

Back to the dance. . . . Ah me, waltzing, swinging, trucking. . . . It's going to be the best yet. . . . Come and see all the arx, engineers, and eac., with their belles. . . . See that gal . . . she's just dying to go. Specs.

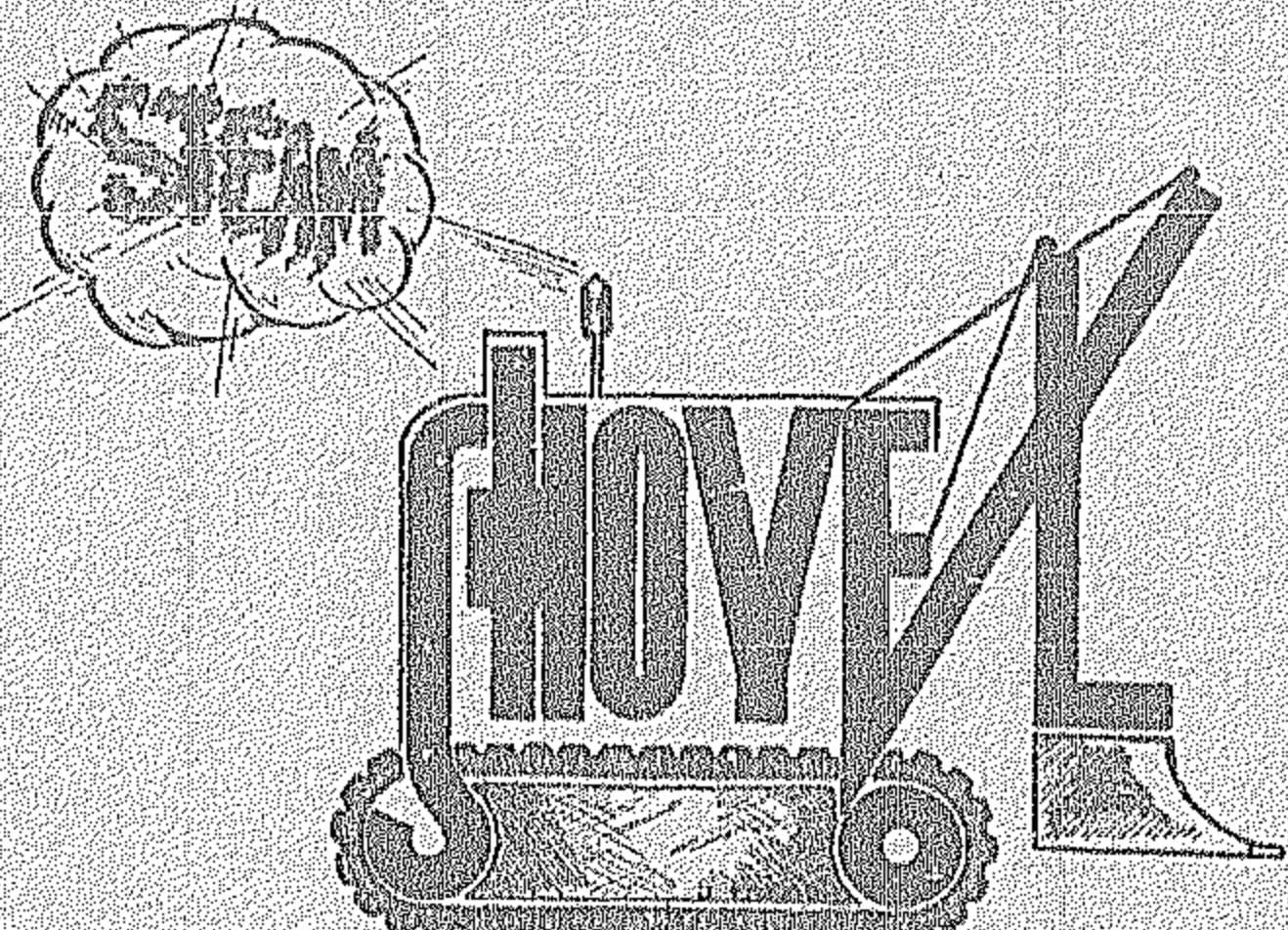


By Bob Saigh

Beethoven's Fifth Symphony is by far the most popular musical composition in America, according to recent polls. These polls were made to determine what the American public likes. One was made among listeners to concerts given by the Cincinnati Conservatory of Music; another among New York music lovers; another among radio listeners in all parts of the country. All three polls had one thing in common, Beethoven's Fifth Symphony. Recordings of this great symphony are made by both Columbia and Victor. Columbia's recording is made by Weingartner and The London Philharmonic Orchestra (M-254); Victor's by Toscanini and the NBC Orchestra (M-640).

From Camden, N. J., home of RCA Victor, comes the news that the new Victor "Heart of the Symphony" album, judging from the advance orders, will break every existing album sales record. . . . It was suggested to Victor that there were thousands of people who loved symphonic melodies in a general way, but wouldn't sit through an entire concert to hear two or three minutes of the music they enjoyed. Victor incorporated the suggestion in an album, using only the well known passages of famous symphonies. This idea was carried out with the Victor Symphony Orchestra under the direction of Charles O'Connell. The album consists of passages from famous symphonies by Beethoven, Schubert, Tschaiikovsky, Dvorak, Brahms, Franck and Rimsky-Korsakov. The set comprises four twelve-inch Black Label records in an attractive picture album with an explanatory booklet for \$3.50.

Tommy Dorsey's "We Three"—"Tell Me At Midnight (Victor -26747) is by far the best of the new releases. Dorsey's trombone and Frank Sinatra's voice do their usual excellent job on both numbers . . . Will Bradley's "Beat Me Daddy" (Columbia-35330) is still going great guns two months after release.



STEAM-SHOVEL

Ho-hum . . . Gotta clean up this mess—but where to put all this stuff? How this dirt does accumulate! Oh, well, guess the Steamshovel will have to do. (Boy, if mudder could only sees me now!) I suppose that meddlin' feature editor will throw out half this stuff—drat him anyhow. Wotta guy—no sense of humor 'er nuttin'. Sumtin's gotta be done. Might try purgin' 'er maybe third degree murder 'er—oh ?@!X Ah, me!!

FEATURES OF THE WEEK

"All my dreams shot! All my wild hopes gone forever." These and other similar statements will be heard for many a day on ye olde Armour campus after this is read but sorry as we are, we feel that it is our duty to put a stop to this thing before it goes any further—so here goes. Frances Anderson Pratt, (you know, that cute little waitress that, that everyone raves about) has been happily married for three years.

SPORTS: If you should happen to get a whiff of ornica while in Fred Till's immediate vicinity, don't worry about it too much because Freddy is only trying to mend his battered frame. It seems that this 128 pound mass of brawn and sinew took his annual workout with the wrestling squad last week and is now one of the biggest customers of the "patent medicine boys" in an endeavor to "fix myself up in time for the Junior Formal!"

* * * *

What some guy won't do to get to know a few girls! At the News Reporters' Banquet, Bill Laube insisted on showing two Lewis co-eds every minute detail of the Student Union—and boy we do mean minute. He was seen showing the girls the broom and mop closet and other equally 'important' features.

* * * *

BELLS AND MORE BELLS: What we need in this country is—no, not communism—but more prof with the humanitarian qualities of Prof. Kintner, of the chem dept. Say that you've been out on a heavy date the night before and you flunk one of his quizzes. So what—no need to worry because he allows you to take the quiz over when you're ready for it and doesn't count the first grade. How's that sound, impossible? Well it's the truth and that's why we say, "Wow! Some prof! Kinter!"

* * * *

After the last I.T.S.A. meeting, Dick Larson very gallantly invited Mickey Walker, Lewis delegate, over to the Alpha Sig house for dinner, thinking that he would thus install himself in the gals graces, but "Casanova" Weissman stepped in and politely "gummed up the works" by coming along. The rest of the evening must have been extremely boring for Mickey as these two did everything but recite elocution in trying to best one another.

* * * *

To most of us the long "L" ride home after a strenuous (?) day at school is rather tedious and boring but not so Bill Rush who meets the "little woman" at the Madison and Wabash station almost every day at 3:15 sharp. Dorothy is her name and she's a cute little brunette but a lotta good that does us because Bill has everything under control. Oh well, I always did wanna be a bachelor anyhow.

(This bit of verse is dedicated to Miss Mayes of the Home Economics department, who recently passed away.)

IN MEMORIAM

As day must end and the sun go down,
Each life must come to a close.
But the sun leaves off a rosy glow—
A gleam that lingers long.
Thus a friendly smile, a charming way,
A leader firm but kind,
Whose life is past, will leave behind
A rosy glow lingering on.

The Greeks Had A Word For It

By Alda Kairis

GODDESSES. . . . Tuesdays, Wednesdays, Fridays—Lunches, Meeting, Rushes . . . the girls at Lewis are kept as busy as bees! . . .

This week while walking through LAMBDA row, I overheard that they have in their midst a couple of gals that are not only students here at Lewis, but are also teaching. Lillian Snodgrass is taking over a class in Sociology at Austin High and Jane Golet a class in English at Crane . . . of course this is all a part of their practice teaching course.

That apartment on the 6th floor is getting a workout with all of these above mentioned luncheons. The LAMBDA are to use it today to entertain the new girls.

Did I say that we would know this week what the Sigmas would be doing at their Informal Rush? Well, it seems that they are planning something quite exciting and so would rather not let the cat out of the bag until after all arrangements have been perfected.

Well! What do you know! The Lambdas aren't the only ones that have student teachers Florence Alder of the KAPPAS, is helping a group of little girls to learn the finer arts of sewing and cooking. Mickey Walker is also teaching—an English class at McKinley high. And by the way, it's her birthday today— "Happy Birthday" Mick!

Do you know what the Kappas told me? They told me that they have reached, in night school, an all high number of four members attending. . . Jean Ruskin, Jeannette MacLuckie, Alice Hahn, and Mildred Berg. What do you think of that?

CO-OP NEWS

By Edward Hanuska

Auf wieder seher!

These words fall regretfully from the lips of the "B" group co-ops as another term draws to a close. Our president Dave Whittingham, solemnly extends the parting words in the following column, and welcomes to these "towering halls," the incoming "A" group. Hear his words!

Once more the "A" group has left "vacation time" with its free hours, behind, and is in the transition stage where it is necessary to forget that they were "free" men but are no more.

The pages of new text books will start flipping by with surprising rapidity, and will lose their tidy look as the owners insert their high undecipherable notes and remarks. The air will again be permeated with the "odor and smoke" from overtaxed slip-sticks attesting to the frantic efforts of the wielders. As the weeks slip by and become "will-o-wisps" shading into the past the term end looms on the horizon—marking the finish of a school year and the end of the co-op course for the seniors . . . lucky fellows!

The "B" group teams have distinguished themselves on the all field? The varsity fourth year team looked so much like a bunch of ping-pong players that a fourth year scrub team challenged and subsequently trounced the highly touted regulars. The winners of the tourney were the "corn-fed" fifth year boys (they've been practicing long enough!) and were awarded baseball keys for their heroic efforts.

The co-ops are apparently leaning toward the "leftist" side as witnessed by the color of the new freshman jackets, cardinal red. Those same irresponsible fourth-year men were so elated with the conclusion of finals Thursday that they "painted the town red" Thursday nite. Dinner, a show at the State-Lake, a bull session at the Tropics, the Hotel Sherman, then the Stratosphere Club and finally (phew!) home at 2:30 A.M.

But enough of these upper-classmen! More interesting are the antics of that very active freshman group who may be found on the athletic field, the gym or wherever there's something brewing. McDonald, Archer, "Kim," Dawson, Bob, Van Steenberg and several others are men who are sure to carve a niche for themselves in Armour's hall of fame. Dr. Arnold, exponent of grammatical finesse, subjected his first and second year co-ops to a heart-breaking English final.

GODS

The DAEDALIANS are at last getting things moving in line for their reorganization, and are now looking forward to a continuance of their activities as one of the fraternities of I.I.T. The boys who have returned to Lewis are as follows: Joe Depinto . . . who spent some time at Phoenix, Arizona, golfing, swimming, and, of course, horseback-riding . . . Ed Louius—who spent his summer as a soda-jerker with some swimming thrown in between jerks (so he says) . . . John Feraro . . . (of the Lewis Chemistry Storeroom — he just couldn't leave the place) . . . George Johnson . . . who was a counsellor at the YMCA Camp Duncan . . . and Tom Cafcas . . . who was the Clerk in one of the Chicago Council Scout Camps near Whitehall, Michigan.

Other "D's" now located at Armour, but about whom we've not been able to get much info, are Jim Hannah, Tom Williams, Al Smith, Bob Miller, and Henry Stange.

And the GAMMA RHO, at their Smoker last Friday, made plans for their coming dance. Where . . . What . . . How . . . When . . . and Who . . . we don't know as yet, but we will soon!!

After all the parties and fetes of rush-week, comes the time when the pledges realize that all is not parties, banquets, and dances in a fraternity. The fellows who are finding this out by actual experience and rather enjoying the novelty are:

Alpha Sigma Phi—25

James Alger, Claude Anderson, Roy Andrews, Norman Carey, Eugene Charland, William Condon, Gerald Conklin, Alg. Dombros, William Dunlap, Mark Dunnel, Robert French, Elliot Gage, Harry Gillespie, William Hockbarth, William Hicks, Edwin Johnson, John Leaser, Donald Maihock, Alfred Moberg, Richard Novak, John Resenwebber, Alastair Valentine, John Wagner, Clyde Wayne, and Jack Wedenmiller.

Alpha Sig held formal initiation Saturday Oct. 12. The following men were given pins which no doubt they will promptly lose one way or another. The men are: Burdette Douglas, Ove Green, Adolph Katzbeck, Robert Kerney, William Lopez, Fred Rickleff, and Edward Wierzbicki.

Delta Tau Delta—20

Ed. Albertini, Renny Berggren, Charles Coles, Ed Curran, Bill Deiters, Tom Galavan, Jack Hoffman (the HAND), Blake Hooper, Ross Humphrey, John Le Vally, Warren McMaster, Joe O'Leary, George Reinke, Chuck Shank, Jerry Stebbins, John Stinkling, Bill Taylor, Clair Udell, Don Walgren, and Jock Wellert.

The Deltas will throw it around at a dance to be held this Saturday—they hope to keep the wolves away from the door that nite although there should be some luscious morsels inside fit for any wolf.

Triangle—18

George Burrows, John Volakakis, Charles Phelan, Charles A. Ball, William Daniers, John Cibock, George Thompson, Daniel Sechel, William Foster, Roy Erickson, Charles Iseminger, August Vercruyssen, Laurus Magill, Jack Hoyt, James Dina, James Tucker, and Lovcen Sheares.

Triangle had a mother's tea on Sept. 29 and next held the first pledge dance of the year on Oct. 4

Pi Kappa Phi—13

John Hiatt, Bob Howard, Jack Morse, John Mark, Dan Moeller, Bob Eimerman, Frank Cihlar, Fred Schroeter, Ernie Kulick, Bob Morris, Bob Mackeroy, John Poppy, and Roy Talbot.

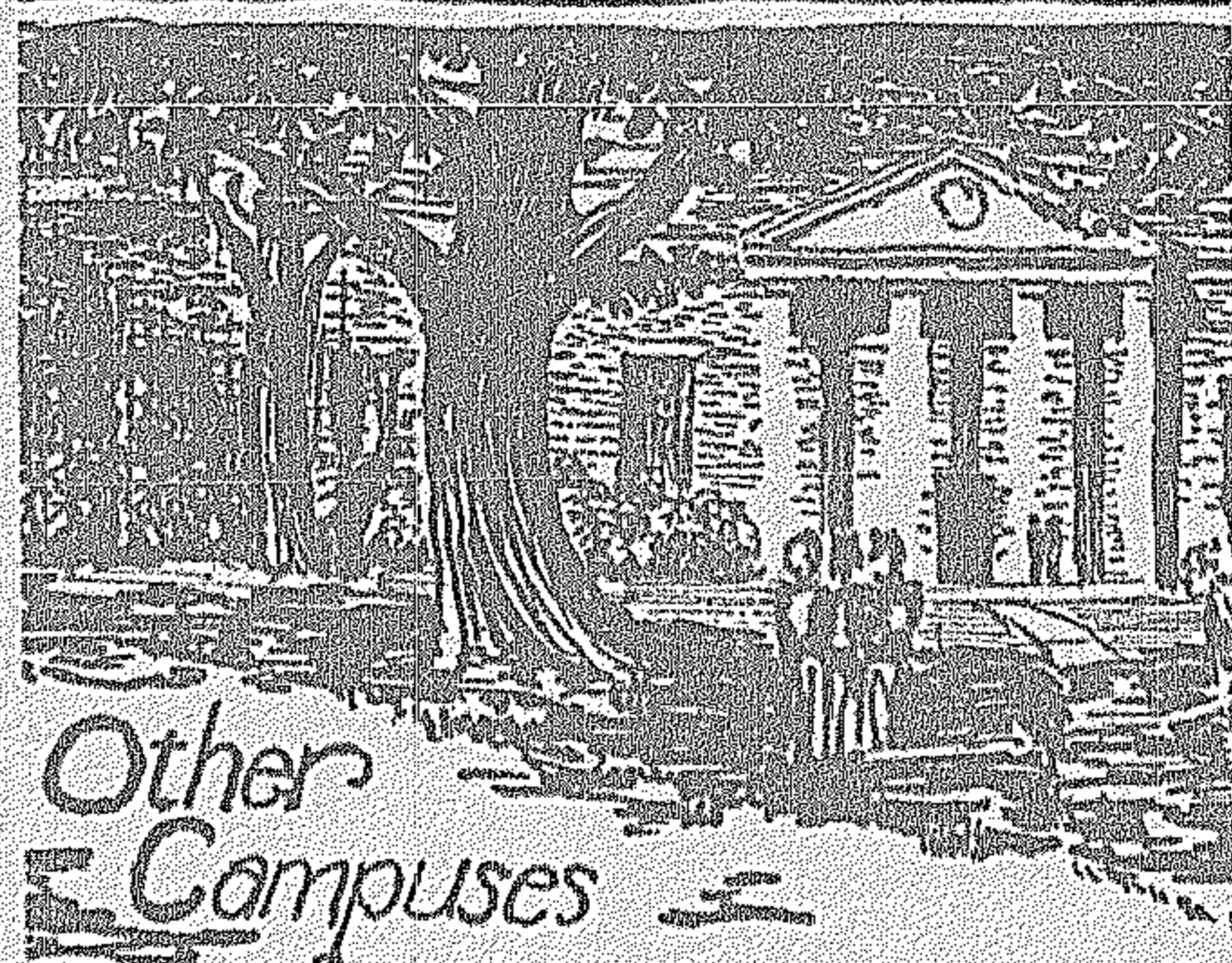
Pi Kappa Phi held a camp fire party Friday the 11, just one nite before Walter B. Stephenson, Arnold Kramer, John Valentine, and Ed Farrell were formally initiated. These boys finished their woe week and thus were safe at the party. It was noticed however that these four men were the only ones who did not stand with their backs to the fire. Oh, the afterglow of hell-week.

Rho Delta Rho—11

Leonard Breen, Robert Koval, Howard Lane, Jack Leeds, Frever Miver, Morry Pinas, Fred Sackoff, Julius Simon, Leon Stone, and Robert Adelson.

Phi Kappa Sigma—9

Jack Thornton, Julian Bowers, Walter Matlocks, Bill West, Ray Clansky, Bob Bonar, Ed Knickelbein, Eldred Koenig, and Harry Buercknoltz.



By Charles I. Ball

L. S. Griffith, University of Illinois grad of 1909, rode 150 miles on horseback from his home town to attend the Illinois football game against Southern California, Rose Bowl champions. A party of six of his friends accompanied him, riding the state highway shoulders making about 25 to 30 miles a day.

This year the total number of students attending colleges and universities in this country is 1,425,321.

Someone has figured out that it would take a student 184 years to complete all the courses offered by the University of Pittsburgh.

A recent CB survey has discovered that college students worry most about passing exams and the financing of dates.

Frank Taylor, University of Vermont grid squad captain, missed practice the other day. He had a date to get married!

Students of the University of Kansas will be seeing double this semester as there are nine sets of twins attending the school. Six of the nine pairs are identical twins, the girls outnumber the stronger sex two to one and none of the sets are mixed.

In June of this year Elon College celebrated its 500th anniversary. This famous English school was founded in 1440 by King Henry VI. However, Elon is not the oldest of these English schools. It is antedated by four other schools of which Winchester is the oldest, being founded in 1394.

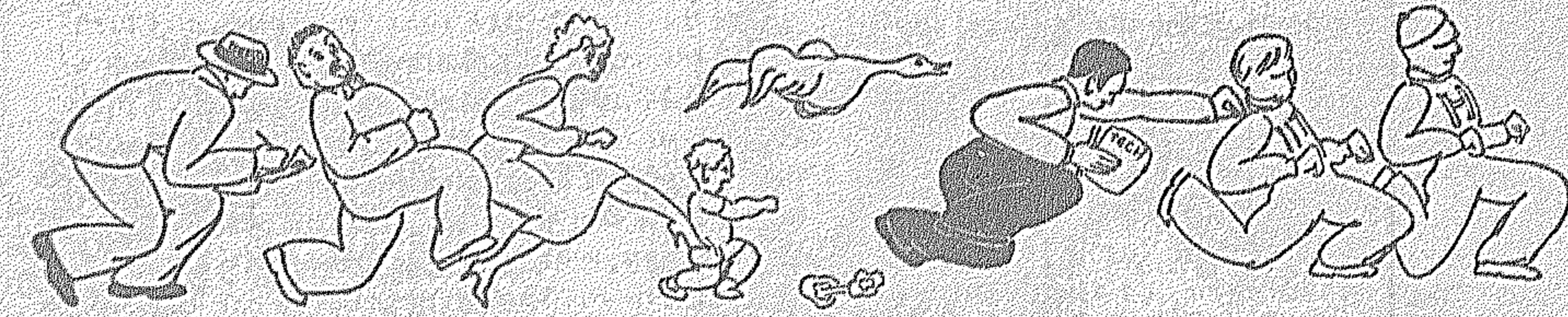
Blitzkrieg!

My Dear Public: (?)

Here we are in the fourth week of school and all doing nicely. Now that the season is definitely under way, those social organizations, the fratilities, are going full blast. This season sees the reorganization of one of the old groups and the birth of a new. True to the old tradition, the Gimma Gammamas are giving their all. They held their first meeting last Thursday in room 301. As an extra added attraction, they had their current queen, Margaret Murphy of the library in for cake and cokes (she brought the cake.) The prexy, "Dirty Old Steve" Mendak, said that this was a combination coming out party and welcome home to the Gimma Gamma Alumni. By the way, boys, those red flowers certainly are cute . . . The up and coming infant fraternity is the I Tappa Keg. This sterling group, with its ten vice-presidents, is dedicated to the counter-action of all education. They wish to announce that their first business meeting will be held next Saturday (maybe their last, too.) I'm sure that if yours truly can chisel an invite, the old blitzkreig will really size . . . Flash! Bill Karney finally bought a pack of cigarettész, and that's news in any man's language. Bet they were Marvels . . . I wonder where Ethel Zack swiped that spoon she is wearing around her wrist? Maybe that's what comes of stirring her coffee too fast . . . Note to Mr. Larkin: that rumbling heard in the back of your 11:30 class is a protest over being kept after 12:30 . . . "Doc" Lee is having a time keeping the mind's of his femme students on the business at hand and off of the engrossing subject of school colors . . . Wally Stahl suggests that mustard yellow and hot dog red would be very striking as well as practical. . . There seems to be another epidemic of plaid shirts with Alice Moffat leading the pack. That certainly is noisy . . . At the other extreme are those sartorial splendors Friedkin, Gordon, and Tanner, the boys from Esquire . . . The grapevine tells me that Betty keeps herself pretty busy calling Quinn up so much. So that's how the telephone company could afford to declare a dividend

(Continued on page six)

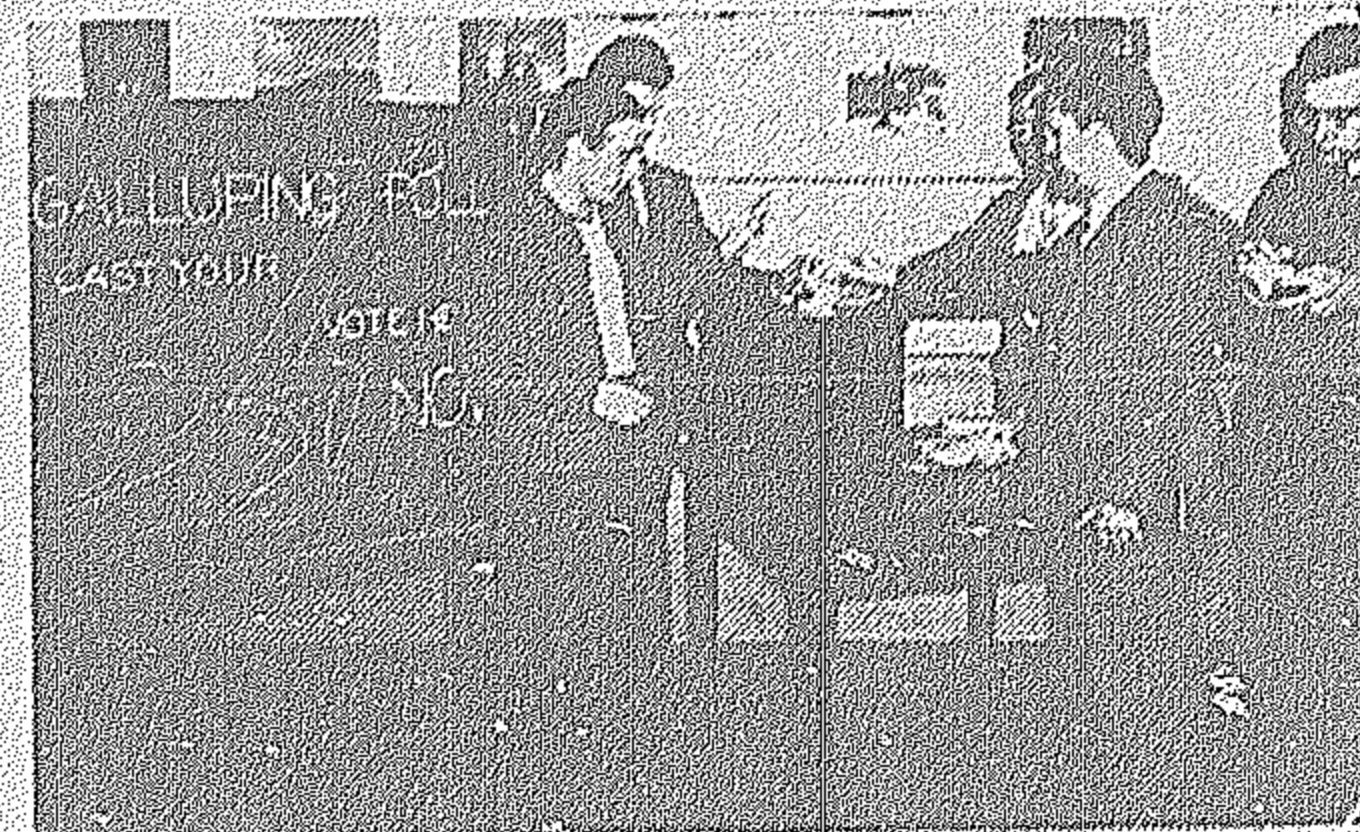
GALLUPING POLL



By Bud Murray

Well we're glad to know that out of a possible 1500 students here at I.I.T. about 200 were interested enough to vote last week. This department can't quite explain this situation but far be it from us to give up the ship. Perhaps a word about this business of the newspaper might clear up a few erroneous ideas. All too many students are of the opinion that this newspaper is "made" on Friday night. The Technology News is, was, and always will be the results of your interest in it. Your "enthusiasm" shown last week was, we hope, no indication of future polls. Remember the GALLUPING POLL is merely an organ through which you, students, may express your opinions.

Now of course all the "glory" can't be reaped on the student body. To the best knowledge of this department this was the first time a poll was undertaken in just this way. Many of the students told this writer they are in the habit of reading their newspaper when they get home in the evening. Naturally then unless they remembered to bring their ballot the next day, they were unable to vote. After much discussion on the matter the following was decided. A representative from each class will contact as many of the students as he can. This will probably give more fellows a chance to express their opinions.



By Ed Center, Staff Photographer

Voters crowding the ballot box in Galluping Poll's election quiz.

RESULTS OF POLL

The results of the poll here at Armour were as follows:

ROOSEVELT	80
WILLKIE	71
At Lewis however, the tide was in the other direction; As reported by Minnette Hirst, GALLUPING POLL representative at Lewis, the sentiment was quite different:	
ROOSEVELT	23
WILLKIE	9

Therefore it is seen that the sentiment of interested voters at I.I.T. is in favor of F. D. R. 103 to 80.

VOTERS GIVE OPINIONS

As we expected the question of "why" was answered in various ways. Surprisingly enough there were relatively few who voted because of the third term issue. Of

(Continued on page six)

SIDELINES

The Draft

By A. Student

It has always been my opinion, that any columnist should, at regular intervals, state his policies and general views on those subjects he discusses. With this in mind, I wish to introduce this first column of Side Lines.

Let me first state, that I am not a political expert nor do I profess to be one. In general, any political observations I might make are purely the results of rather limited observations and reading. Any interpretations that may be presented will necessarily be of the same nature. At times these observations may be entirely opposite to those of people who are, perhaps, more qualified to make them than I am. However, in such instances I will attempt to justify my conclusions.

This column will, however, not be entirely political in nature. I will attempt to bring to attention interesting developments in the contemporary literature. This coupled with such other items which might be of interest to the college student will be the subject of this column.

Perhaps, the most disturbing issue confronting the younger generation is the selective service draft. Distributing as this statute may be, I will not attempt to discuss its effects upon the lives of the nation's young men. This has and is being discussed by men who are much more competent and informed than I am. I wish, however, to discuss some of the talks which has resulted from the

passage of the draft bill.

It is indeed discouraging to hear from men who are eligible for the draft and from those who are not, that they believe that the primary purpose of the bill is to prepare us for an offensive war. The strange thing that accompanies this statement is that they believe that war for the U.S. is inevitable regardless of which party will be in power after the elections. This to me seems to represent a rather unstable condition in the thinking apparatus of those who express and believe these opinions. Such thinking and the accompanying reactions of helplessness and hopelessness are just the frame of mind which is most fertile and conducive for war. The majority of these young men do not wish to participate in any offensive war—they are, for the most part, willing to sacrifice everything in order to make this country safe and keep it so—yet their attitude does not reflect this. They feel that they will be forced into it and that they can not help themselves.

To my mind the draft measure does not represent preparations for offensive war, but rather for much needed defense. I firmly believe that those men who will be drafted will not be pushed into an offensive war as long as they are firmly decided that they will not participate in one. The sooner they adopt this view, the sooner they will receive that sense of security and pride that goes with the feeling that you are doing something worthwhile.

Students Urged To Make Use of Library's Books

by Joseph Hind

Miss Nell Steele, head librarian of the Armour College of Engineering Library, wishes to remind all freshmen and new students to register for a library card at the main desk in the library if they have not already done so. The library card is valid for the entire period of the student's enrollment in this college; thus it is unnecessary to renew registration with the library at the beginning of each new year.

Benefits Students

"All students," Miss Steele pointed out, "require the continual use of a library in practically every one of their courses, so it is to the benefit of all if they register and become acquainted with the library as soon as possible."

The Library is open from eight in the morning until nine at night every day except Wednesday when it closes at five and Saturday when the doors close at noon.

New Books Received

The Library personnel remains exactly the same this semester with the exception of new student assistants. In addition to receiving a new coat of paint, the Library has also obtained many new and interesting works in engineering. The subjects of these range from X-rays to soil mechanics. A list of these technical works as well as a list of newly received fiction publications may be obtained at the desk.

Open to Public

The Armour Library is, of course, open to all students of Illinois Tech, including those study-

Spears to Conduct Course in Highway Engineering Field

A course in highway administration and finance, open to seniors and graduate students in the civil engineering department, is being given for the first time at the Armour college. It is intended to extend this semester the scope of the regular undergraduate highway course in city and highway planning. These courses will equip the civil engineering graduates to enter more readily into the fields of city management and traffic engineering as well as the usual highway engineering departments.

Spears to Teach

Professor S. M. Spears, who will teach the new course, is well qualified, having taken his doctorate work at the University of Michigan in the field of highway engineering.

Graduate courses in highway transportation, terminal design, and highway soil mechanics are planned for the civil engineering department and will be offered as soon as laboratory facilities are completed.

With the development of these highway courses, Illinois Institute will have excellent coverage of this important field of civil engineering.

ing at the Lewis campus. As in the past, the general public may utilize the various reference volumes although, naturally, there is no provision for loaning books to the public.

McCARTHY, '37 TO STUDY AT YALE BUREAU

By Hugh Story

According to the *Engineering News-Record*, Carroll J. McCarthy, an Armour civil engineering graduate of 1937, has a one-year leave of absence from the traffic engineering department of the Illinois Division of Highways to study at the Yale Bureau for Street Traffic Research. Mr. McCarthy is the first Armour graduate to take the training course at Yale and is also the first Armour man to choose the new field of traffic engineering as a career.

Established in 1926

The Bureau for Street Traffic Research was established in 1926 by Albert Erskine, then president of the Studebaker Corporation, and is now supported by the Automotive Safety Foundation, and other national organizations, interested in street and highway safety. Its functions is to give an intensive one year course in traffic engineering to employees of state and municipal highway department. These men return to their positions for immediate application of the newest development in traffic control methods. The instructional staff of the bureau is headed by Dr. Miller McClintock, and includes some of the most prominent traffic engineers in the United States.

The students of the Bureau are almost all on fellowships from the supporting organizations. Most highway departments grant the men on leave their salaries, in addition.

OTHER CAMPUSES

Since students at Iowa State College have been prohibited from drinking beer under an interpretation of the college rules, they have been singing this song to the tune of "John Brown's Body":

Oh, they've taken away our whiskey
And they've taken away our gin,
Our cigarettes are next, so they say;
But we thank the Lord above us
That we still have to love us
All the coeds of Iowa.

Hartford, Connecticut the home of 44 of the largest insurance companies in the United States has started the first degree-granting graduate school devoted entirely to insurance. This school is a sister school to the Hartford College of Law and offers courses in life, marine, casualty, fidelity and fire insurance.

Little known is the fact that New York's group of skyscrapers known as Rockefeller Center, and the twelve acres of land which they occupy, is owned by Columbia University. This plot of land is rented from the university at more than \$3,000,000 annually until the year 2015. At that date the site and all its buildings will revert to the university. A short street, three blocks long, cuts Rockefeller Center in half, and every year this private avenue, on which the Center pays \$60,000 a year taxes, is blocked off for a period of twelve hours to retain the university's property right. Otherwise, the street would become a public thoroughfare owned by the city. This street was last blocked on July 21 of this year—the sixth time since it was opened in 1935.

The University of Kansas is giving lessons in square dancing. Evidently they consider it a good form of exercise because they are given by the Physical Education Department.

Phi Kappa Tau fraternity at Ohio State University bars its brothers from all contact with women for one week-end a year. No dates, hair cuts, shaves, shirts, pressed trousers, telephone calls to girls, or letters

to or from the female sex are allowed.

Massachusetts State College has a continuous moving picture history record of student and faculty activities at the college.

Among the things that freshmen at Clarkson College of Technology are required to do are: At all times carry matches for Upper Classmen, sit in the front seats of the main floor at all student convocations, not go bare-headed on the streets, wear the official green tie and cap, salute all Sophomores when they meet them on the street, not wear bow-ties or mustaches, use the main walks only, assist in all Junior and Senior class functions, be seen and not heard, and remember at all times that he is the lowest form of "animal" and that he can be cocky with no one except another freshman.

Lawrence Institute of Technology owns a sailplane which is flown at different air shows throughout the country.

In one year the University of Cincinnati had 38,000 columns of news printed about it in newspapers of this country.

A very pleasant place to spend Halloween would be the University of Kentucky archeological museum. Why? Therein are 2,100 Indian Skeletons.

Don't open your eyes too wide, but Harvard University's \$143,000,000 endowment makes it America's richest educational institution. Incidentally, the cost of an education at Harvard has increased 280 percent in the last century.

By the shades of Mickey Mouse and Donald Duck, the mechanic students at N.Y.U. are certainly enjoying their classes lately. Instead of toiling through a heavy lecture, Mickey and Donald cavort about a screen, while the tyros observe the principles and mechanical theories that Walt Disney so deftly employs.

Blitzkrieg--

(Continued from page five)

"Killer" Dick Barnes is going out for boxing, so they say. I guess his class is paper-weight . . . Some of Pat Arns' Armour friends were over the other day to help her with her homework and look for beautiful but dumb girls. I didn't know we had any at Lewis. (dumb, I mean!) . . . Those red-tipped Marlboroughs that Gordon Walter is smoking certainly are too, too divine! . . . Welcome home Jack Dzierz. I see Myrtle has been well taken care of . . . Say, how about that coke machine that the lunch room was going to put in? I could do with a nice convenient place to wet my whistle. . . I am told that one of the local glamour boys who was mentioned in this column last week is pretty hot under the collar about it. C'mon fella, it's all in fun . . . And now Happy Birthday to Eileen Robinson and "Vita-Fresh" Knapp who shared last Thursday . . . So now as the little dog said as he bit his tail, "This is the end."

Lovingly yours,
THE SIXTH COLUMNIST

Juicer's Jackpot--

(Continued from page four)

You'll like my daughter."
COPPER: "I'm sure I will; she's a joule of a girl."
(They arrive at the court-house.)
JUDGE: "What is your full name?"
VOLT: "Benjamin Franklin E.M.F. Volt."
JUDGE: "What is your nationality?"
VOLT: "I am a Pole."
JUDGE: "Are you positive?"
VOLT: "No, gauss again."
JUDGE: "What is your occupation?"
VOLT: "I am a conductor."
JUDGE: "Do you want to die?"
VOLT: "Oh, no, judge. I died once, and I don't want to dynamo."
JUDGE: "What are you charged with?"
VOLT: "Assault and battery."
JUDGE: "Do you promise not to fight again?"
VOLT: "I promise I shunt."
JUDGE: "All right, baillif, put him in a dry cell, maybe that'll coulomb off a bit."

The Greeks--

(Continued from page five)

Beta Omega Nu held their first meeting of the year last Wednesday nite. After the necessary tests of fluid capacity, it was decided to pledge Al Garnier and Lou Phillips of the Deltas, Herb Curry and Jim Clark of Triangle, and handsome Burkholz of the Phi Kap house. Alpha Sig and Pi Kaps were not represented and are urged to send thirsty prospects off to the legion on Wednesday, October 15.

The Interfraternity Council met Thursday in Sonny Weissman's office. The football schedule was made up, and there was an open discussion on rushing rules, and also on the matter of the selection of the I.I.T. colors. The majority favored gray and scarlet.

The Phi Kap, Delt football game should be a bloody mess when the finalist in last year's tourney tangle and mangle themselves for the sake of a cup now on the Phi Kap fireplace.

Sigma Alpha Mu held a house party last Saturday, Oct. 5th welcoming its new pledges. Those pledges were really feted, now they've got 'em dancing the dishes. Well! Well! We hear Bob Rapport, Eta Chapter, Syracuse is in town managing the Loop Show "Meet the People" at the Grand Opera Theatre. Looks asthough our lucky lads are going to meet the people if Bob does the introducing.

Galloping Poll--

(Continued from page five)

those who voted for Willkie, most of the reasons given were not to support him, but rather because they disliked the present setup under the New Deal. Of those giving their opinion of Willkie the majority thought he would handle our foreign policy with more success than F. D. R. has done. Then too there were those who claimed a third term "two" too many.

Next Weeks Poll

Be prepared this week, ladies and gentlemen with your opinions on the DRAFT BILL and one of the students will contact you this week. So here's hoping we are able to greet "ye all" with a smile of approval on the coming Tuesday. See you next week.

Seniors Bow To Sophomores 25 - 1 In Hardball Finale

By virtue of a 25 to 1 score the Sophomores easily annexed the interclass baseball crown. Behind the seven hit pitching of Mario Silla and Ray Lagodny, the Sophs romped to an easy victory over the Seniors, last Thursday afternoon on Ogden Field. Although the game was limited to five innings, the Sophomores still managed to ring up a football score.

Score Three in First

At the very outset of the game the Sophomores indicated their strength, by scoring three runs in the first. When the Seniors came back with one run in their half of the first it seemed as though an interesting battle might ensue, but these high hopes were quickly discouraged.

The Sophs scored four more runs in the second to give a hint as to what might occur in the third. In this eventful third no less than seventeen batters appeared at the plate for the Sophs, twelve of these hitters also crossing the platter with runs.

Third Big Inning

As an aid to this third inning slugfest were eight hard hits and three Senior miscues. To conclude the scoring, the Soph "Terrors" banged across two runs in the fourth and four more tallies in the fifth inning.

"Dick the lip" Guetzow batted two long doubles and two sharp singles. Jim Byrne, Joe Pruzinski, Lou Migliori and Ray Lagodny all came up with long extra base hits to help the Sophs along.

Pitchers Star

Not only did the Sophomores excel in hitting, but their pitchers Silla and Lagodny turned in a beautiful job in blanking the Seniors after the first inning. In the fielding department, the Sophs went errorless, while the Seniors were piling up five errors to give them a wide margin.

The prospective track meet was called off at the end of the fifth inning as the Sophs had spent so much time in running around the basepads that it was getting dark. "Boastful Pete" Peterson the Soph "Terrors" manager is quoted as saying, "Bring on that varsity!"

Sophs Beat Frosh

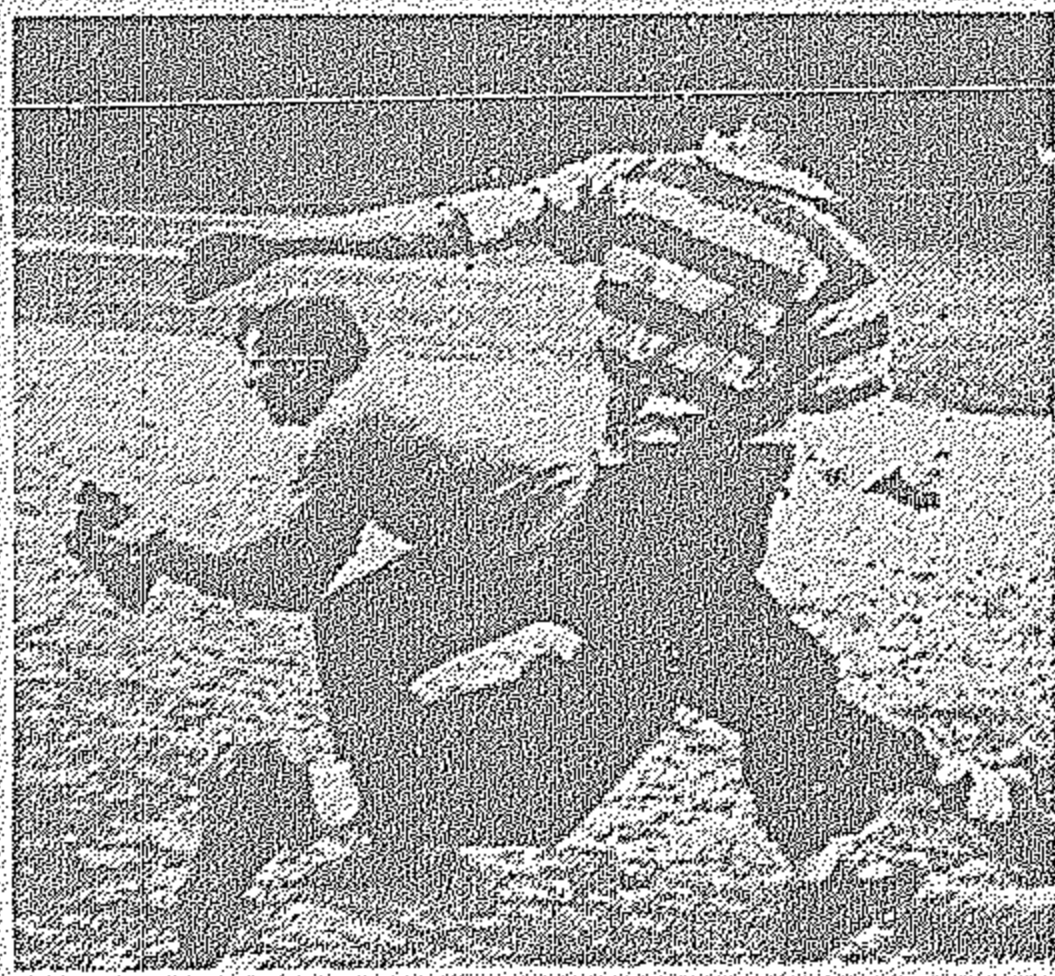
To reach the finals, the Sophs had polished off the Freshmen, ten to nothing in a one sided pitchers battle. The Seniors meanwhile were beating the Juniors seven to six in a hard fought game. The Seniors won out in the last of the seventh on a close and hotly contested play at home plate.

BOX SCORE.

The Summaries are as follows:

Sophomores.				
Player and Position	AB	R	H	E
Byrne, 1b.....	4	3	2	1
Silla, p. c.....	5	4	3	1
Lagodny, c. p.....	4	3	1	1
Guetzow, 3b.....	4	5	4	1
Migliori, c. f.....	3	2	2	1
Mehta, 3b.....	5	2	2	3
Pruzinski, 1. f.....	4	2	3	1
Monjeau, 2b.....	3	2	0	0
Noonan, r. f.....	2	2	0	0
Totals.....	36	25	15	1
Seniors.				
Player and Position	AB	R	H	E
Sliwa, 3b.....	2	0	0	0
Bauch, 3b.....	1	0	0	0
Grinck, 1b.....	3	0	1	1
Brusanowski, 2b.....	3	0	2	1
Pfeffer, 1. f.....	3	0	1	1
Brierly, s. s.....	2	0	0	0
Rookelman, c.....	1	0	0	0
Lewis, c. f. p.....	2	0	2	0
Knorring, r. f.....	2	0	0	0
Murray, p.....	1	0	1	0
Krause, p.....	0	0	0	0
Totals.....	20	1	7	1
Sophomores.....	1 2 3 4 5			
Seniors.....	3 4 12 3 4			25
Seniors.....	1 0 0 0 0			1

HANK'S SAFE!



By Ed Center, Staff Photographer

Hank Sliwa beats out a hit as Burn waits for the throw.

Boxers, Wrestlers Continue Workouts

Boxing is probably the most major of the minor sports at Armour. Every year more men turn out to see if Sonny Weismann is as good a coach as he's said to be. Already there are 35 regulars, six of which are Lewis men, in the gym at every practice. Practice is held on Monday, Wednesday, and Friday, from three to six in the gym.

According to Sonny the prospects for a good team are good. Most of the fellows are new, but they bring with them the enthusiasm for the sport and the eagerness to learn that is necessary for a successful season.

In boxing, as in most of the sports, there are interscholastic meets. Last year Armour won two out of two team meets, and 18 out of 32 individual matches.

Four Letter Men Back

There are four lettermen back, but if anyone can prove he is better than the next man, there is a place open for him.

Besides boxing and handball, Sonny Weismann handles another major sport, wrestling. Practice for the 35 men already out; and for anyone else who is interested, is held at the same time as boxing, on Monday, Wednesday, and Friday, from three to six in the gym.

There are two major and four minor letter winners back this year. However that shouldn't discourage anyone from coming out; because if he knows the sport and is quick to learn, and can prove his worth, then there is always a place open. Practices up to now have been only routine work, but already the prospects look good (and when Sonny says it looks good, you can usually look to a successful season.) The boys have been rope-jumping and doing general exercises to get limbered up. A few holds have been explained, but most of them are just learning, so the going will be slow.

STENGER STARTS SPORTS AT LEWIS

Coach Stenger announced last week that there will be intramural sports for the men students of Lewis. The gymnasium will be open to men on Tuesdays and Thursdays 2:00 to 5:00, and all men students are urged to participate. Although there will be organized gym classes for those who desire them, Coach Stenger will welcome any of the men who can come in occasionally for a few minutes.

Sports for which there is sufficient demand with the exception of touch football will be featured. Interclass basketball will start soon. Those interested in playing on their class teams should report to the gym as soon as possible. The winning team will meet the Armour team which survives a similar tourney at the East-side campus. Awards will be made to the winning team of each school.

Nine Qualify In Golf Tournament

Grouchy old Peter Stuyvesant—the one-legged mayor of New York when it was New Amsterdam—would find many things to please him at the Armour campus. He would be most pleased, not being of a scientific turn of mind, to find the Illinois institute students playing an adaptation of his favorite game—"kolf," Sammy Bibb's boys call it golf, and play it quite well.

By last Friday, nine I. I. T. students had qualified for the fall golf tourney, playing through the qualifying round with the required 91, or less. Eight of Stuyvesant's proteges to beat the limit are from the Armour campus, while Lewis is represented by a contingent of one man.

Fittest Survive

Lewis' committee of one is Charles Reinhardt, while 33rd street sent Bob Sundstrom, Dick Taylor, James Murray, James Pruzinski, Charles Behrens, Robert Shank, Robert Mathieson, and J. Ray Most of the qualifying games were played at the Southmoor country club.

Men that qualify will be matched for nine or 18 holes for the final round, this process continuing until one man—the winner—is announced.

Swimmers Start Early Practice At Bartlett

The first meeting of prospective members of the Illinois Institute of Technology's swimming team was very poor compared with what it has been. With six or seven experienced men back, there were only about 20 new fellows out, and they were mostly freshmen and new students with little experience.

Top Team Last Year

Last year the team won a seven out of 10 meets, and this year with Ernie Blume as captain and Dick Larson as manager—even with the tournament as poor as it was—the prospects for a successful season look fairly good.

Lewis men and new fellows who are interested are especially asked to watch the bulletin board for information regarding the next meeting, which will probably be held sometime this week.

Needed more than anyone else are a couple of fast free-style dash men, who can hold their own in the 40 yard, 100 yard, and 220 yard dashes. Pearson was the mainstay in this division last year, and someone is needed very badly to take his place. Also needed are a few good divers, and as there were no new men who came out for diving, the division is wide open. In fact all places are open to the man who can prove that he can swim, and that he is interested and has the spirit.

Practices are held in Bartlett pool at the University of Chicago, and the team usually has a few practice meets with the University team.

Monday 11-12	
Jr. CHE vs. Soph. FPE	
Tuesday 11-12	
Sr. CE vs. Soph. ME	
Wednesday 10-11	
Sr. CHE vs. Soph. CHE	
Wednesday 2-3	
Jr. CE vs. Jr. FPE	
Thursday 10-11	
Sr. FPE vs. Jr. CHE	
Thursday 12-1	
Sr. ME vs. Stardusters	
Friday 10-11	
Sr. EE vs. Soph. CE	
Friday 12-1	
Jr. ME vs. Soph. ME	

CONFAB



By Ed Center, Staff Photographer

Captain Bob Lange (left) chats over tennis plans with Coach Hal Davey.

H. W. Davey Gets Appointment As Cat - Gut Coach

With the appointment of Dr. Harold W. Davey as the new tennis coach of Illinois Tech, Athletic Director John Schommer completed the reorganization of the present coaching staff, which featured one of the biggest athletic shake-ups in the history of Armour.

Dr. Davey succeeds W. W. Colvert, who is on leave this fall. Mr. Colvert first took over the duties of tennis coach in 1931, succeeding Dean Tibbals, who had to relinquish his coaching position to accept greater responsibilities.

Organized Boosters

Dr. Davey steps back into the sports limelight once again after being briefly "relegated to the shelf with the rest of the bespectacled disciplinarians," as some writers have put it. Social science instructor, who came to Armour in the fall of 1939, he is known to most of the Techawks as the fiery manager and coach of the former Davey Boosters, frosh intramural team.

Professor Davey first made his appearance on this earth some twenty-five years ago in Syracuse, New York. He attended William Nottingham High School in Syracuse where he played four years of lacrosse.

Phi Beta Man

In 1936, Coach Davey graduated from Syracuse University with an A.B. degree, majoring in social science. Besides graduating second highest in his class and winning a Phi Beta Kappa key, he also was Associate Editor of the Syracuse Orange, student newspaper, and free lance sports writer for the same paper. In 1938 he obtained his M.A. degree at Harvard University and the following year he got his Ph.D. at the same university.

Dr. Davey has always been inclined to sports, though he has not always been able to participate in many of them. Football has always been one of his favorite sports, having never missed a Syracuse football game from the time he was three until he was twenty. Baseball, basketball, and hockey all share his enthusiasm, though at present he is seriously trying to boost a 135 average in bowling.

Introduced Hockey

Last spring his frosh team won the intramural softball tournament from a field of twenty-eight entries. Last winter, he introduced hockey to the Techawks, when he organized a hockey team which though it did not win a game, lost to the University of Chicago hockey team by two points in their first game, and by one point in each of the other two games they played.

Intra-murals Blossom Under Manager "Mac"

After a wild and woolly year, we once again start the touch football season under the helm of our new tramural manager Chuck McAleer. To date twelve teams have been entered for this particular intramural sport which brings out the best spirit, fight and good sportsmanship of the school.

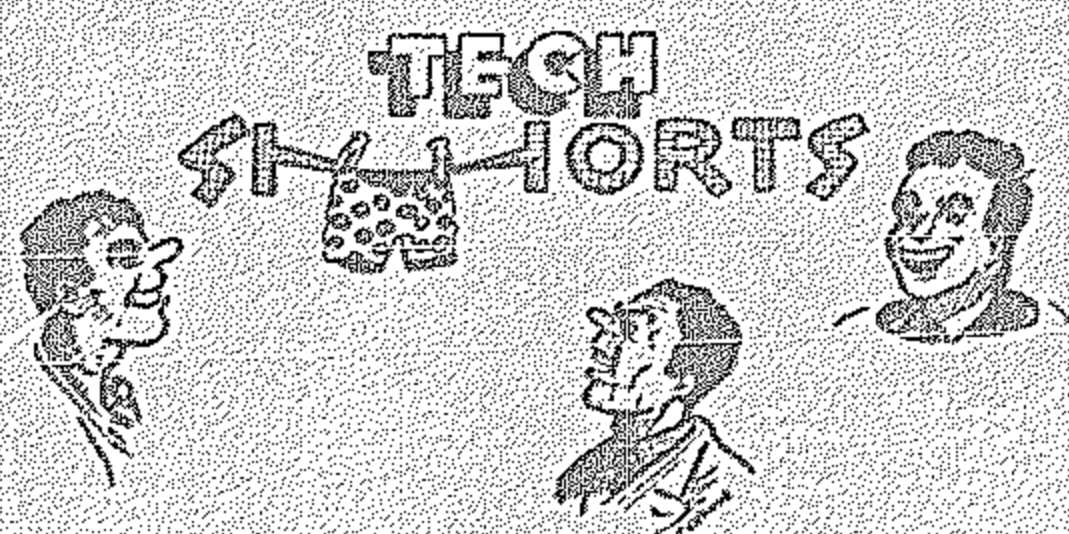
The mechanical department, which is the largest, present the strongest team in each class. The Soph mechs. have the trackmen Mongeau, Watson, and Captain Zemaitis as the stars of their team. The Junior Mechanical presents the strongest team and thus the post season favorite despite the the Senior Mechanical bid for the championship again. Newhaus and Erickson, two holdovers from the present champions, teamed with Seig, Pederson, Jencius, Vidming, and Lefty McDonough have a wealth of material with a stellar performance in every department of play. (Peg Leg) Newhaus is a good passer, "Streamlined" Erickson is a good ball carrier and dangerous pass receiver for the opposing teams, Pederson, and Viaming are good blockers, and Jencius is a good long kicker. The Senior Mechs will furnish a big question mark to opposing teams because they have a number of individual stars like Krause, Pfeffer, Ozimek, Oberfell, Rusanowski, and Knorring. If they team up and play together it will produce a power outfit.

The Chemical department, the second largest in the school, have only two entries in the touchball tourney. The Junior chems are the dark horse in this years tournament because they have potentially a great team if they can get good pass catchers. Lukens and Franzen are good blockers, Heidenreich a hold over from last year's runners up, the Junior Chems are good blockers and passers, and Benny Sarasin is a fleet footed ball carrier. The Senior Chems have a good team, but their main objective is to beat the Senior Mechs, who humiliated them in year playoffs. Brierly, Grigas, Grosse, Boanini, McAleer, and "Handle Bar Hank" Sliwa will give the other teams quite a tussle before they are downed.

The fireproduct is the smallest department in school. They have entered two teams, Sophs and Seniors. The Soph Firemen are a scrappy bunch of fellows and we will just have to wait and see how good they are after the competition has started. The Senior Firemen with out their hoses and other apparatus have a nice working team and may knock off many good teams with Larson, Zoellnen and Hrubes supplying the punch.

The Civil department is the best represented department in school. The Soph Civils have a team of two men of which Silla is the only one who is known for his football ability. The Junior Civils, who will never say die, are led by the "Mad Civil" Pleva, Sandstrom, and Minwegen. The Senior Civils have the best in their department, Olson, Bauch, Dailey Lykowski, Rookelman, and Hauswald are their best performers.

The Senior Juicers, who are the only ones in their department who have a team, have such stars as "Flash" Mathews and Sluggen "K" carrier and should go past the first two rounds. So far the freshmen class is of unknown strength because it has not entered any teams, but there is still time to hand a touchball team.



By Fred DeMoney

Believe it or not, those tennis courts in back of Chapin were once among the finest tennis courts in the city of Chicago. Constructed by a man famous in the art of tennis court making, these courts were made of the finest materials and in line with regulations that were followed in that day.

The courts were built with precision and exactness, with proper drainage was taken into account. Where once apartment dwellings had stood, the tennis courts were leveled. This took place quite a long time ago, when girls played the game clad in "blower suits."

For quite a spell the courts remained hard and firm, although the "sou'western" did take away a few millimeters of top clay every summer. Then about, seven years ago the courts became noticeably poor, and a man was put to work on the courts. Despite this one man's labor, the courts today are still noticeably poor.

What exactly is the matter with the courts? In the first place, the courts are too soft. Softness of clay courts can be blamed upon lack of rolling. But the caretaker, the same man who was assigned to the courts seven years ago, claims that he rolls them every day.

He claims that because of the softness of the courts, even a regulation clay court tennis shoe will mar the surface so bad that at the end of a set the court looks like a couple of tractors "with lugs" had been played tag. So this gentleman goes onto the courts as soon as he can in the morning, and repairs the damage by first filling in the holes with fresh clay and then rolling. And just as soon as he makes one court playable, another is waiting for him. And then the first repaired court becomes scarred; and the viscous circle is completed. The caretaker does many other jobs around the institute, and hence can not spend all day on the courts. But that is exactly what's needed, if the courts are to be in any shape at all.

Further, not only are the courts too soft, but they are dead. Because of the long period of no maintenance work on the courts, they were allowed to erode with every rain and wind storm. The base of clay has almost changed to dirt and stones. Hence, a new base is probably needed.

There seems to be only one logical solution to the problem, and that is to replace the clay with concrete. Despite the fact that concrete plays havoc with both the feet and balls, such a court is always in tip top shape, and can be used at almost any time. It is apparent that even if the amount of upkeep necessary to keep the clay courts in a useable condition were available, it would not be worth the money. Concrete courts require very little upkeep, for only that of lining is essential.

And while the present courts have the correct dimension lengthwise, there still is not the proper room cross court. Now if concrete courts were laid, the idea would be to make the courts of the proper dimensions and then put up the fence. All courts should be made of the regulation "doubles" size.

It can only be concluded that, since the present courts are too soft for use, and since even the base may be no good, and since the courts can not receive the proper attention, and that

NASH SPEAKS, STUDENTS TALK AT ASSEMBLY

Lieutenant Nash of the Chicago Fire Department was the guest speaker at a fire prevention assembly in the Lewis auditorium on October 8. Giving due credit to the usefulness of the match, Lieutenant Nash was concerned also with the many disasters caused by its careless use. Many examples of avoidable fires were given, and also an estimation that fire loss could be decreased about 50 per cent if rubbish were cleaned out of basements and attics. At the conclusion of Lieutenant Nash's talk, Dean C. L. Clarke turned the assembly over to the students for the discussion of their problems.

Students Voice Opinions

Mickey Walker presented the matter of school colors for the Illinois Institute of Technology. A combined committee of the two branches had suggested scarlet and gray. These colors seemed satisfactory to the majority of the students, but some divergent opinions were expressed. To make sure that everyone had an opportunity to express his views, a box was placed in the lobby for the votes. Scarlet and gray have received about 90 per cent of the total vote, the other 10 per cent being scattered.

Combined Assembly

"Chuck" Reinhardt lead the discussion of the class organization. It was suggested that the class representatives serve as a temporary council to represent and formulate student views.

Ping-Pong, Archery For Girls at Lewis

By Mary Flasher

Good news for all girls is the recent opening of the gymnasium for archery, badminton, or ping-pong. Mrs. Olive Pierce Hazel, the gym director, will receive enthusiasts Mondays and Wednesdays. The tools of Dan Cupid's trade—the bow and arrow—have taken a great deal of feminine interest at Lewis. Both a long and a short range are available; the only equipment necessary being a pair of gym shoes. This is one sport that requires no change of clothes.

Watch the Birdie

Battledore and shuttlecock—known as badminton—has a lively group of followers that are seeking outside competition. An exciting, closely-fought contest was staged with George Williams college last year, which Lewis lost, two matches to one. The Lewis "birdie-batters" are seeking a return battle, however, and are also looking for matches with other institutions.

Table tennis, often blasphemously known as "ping-pong", is played in the balcony; a table and eight, count 'em, eight, paddles, as well as many balls are available.

Mrs. Hazel invites those who aren't interested in playing to come up and look around.

even if they did, the courts would still be fundamentally poor, the courts are now just a "white elephant." Because of these facts, it can be further concluded that the clay courts should be replaced with concrete courts of regulation "doubles" size.

There will be a meeting of the Hockey team tomorrow in room U2W at 5 o'clock. All those interested, please attend.

LEWIS STUDENTS PROMISED NEW ACTIVITY ROOM

Lewis students will no longer be expected to do their loitering in the lobby and corridors; instead, the cafeteria will become the center of activity under the new set-up. From 10 A. M. to 6 P. M. the faculty and students will be welcome to chat, lounge, smoke, hold their informal discussions, and partake of refreshments. As soon as it can be arranged, it is the intention of the management to cater to the Lewis students by having sandwiches and beverages on sale all day long, and under the capable management of Miss Kolle who is replacing Miss McRae, hot meals will be served at noon and evening. Since a place is now being provided for visiting and smoking, the administration is asking the cooperation of the students in several matters. Smoking will now be prohibited in the corridors and classrooms, and will be allowed only in the "cafeteria activity room." Upon the completion of these plans, it is hoped that the library will be used only by those who wish to study.

Dance Club Discusses Semester Functions; Many Socials Planned

By Ernie Colant

Promising a larger and more active program for the new season, the Dance Club held its first meeting Tuesday, October 9 in the Student Union Auditorium. The Dance Club has been active for the past three years and has made much progress in improving the social life at Armour.

Monthly Socials

Socials will be held monthly in the Student Union. Dancing instructions will again be given by Dan Stone a professional dance instructor, and his assistants, each Wednesday at 5 o'clock. As in the past semester, girls will be invited to assist in the instructions by President Ernest Colant.

SEEGRIST ELECTED S. P. E. E. OFFICIAL

Significant among the activities of Education circles during the summer was the annual meeting of the Society for the Promotion of Engineering Education held in Berkeley, California last June. At this meeting W. H. Seegrst, associate professor of machine design at Armour College of Engineering, was elected Secretary of the Drawing Division.

Other new officers of the SPEE Drawing Division are as follows: F. A. Heacock, Princeton, member of Executive Committee, R. P. Hoelscher, University of Illinois, Chairman of the Division; B. M. Green, Stanford, Editor of T-Square page, SPEE Journal; G. M. Phelps, Rensselaer, Chairman National Drawing Competition Committee, and F. W. Slantz, Lafayette College; F. M. Porter, University of Illinois, R. R. Worseneroff, University of Wisconsin, Editorial Board, Journal of Engineering Drawing.

For the past few years it has been customary to hold a mid-year meeting of the Drawing Division in the Middle West area. In order to discuss plans for the coming mid-year meeting, and also plans for a broader study of Engineering Drawing in the United States, a preliminary meeting of a few members of the Division was held at the University of Illinois, Saturday, September 28th. Professor Seegrst as secretary of the Division attended this meeting.

LEWIS' PLAYERS ANNOUNCE FIRST PLAY AT MEETING

By Minnette Hirst

All ye future Duses and Maurice Evanses, attention! The Lewis players held their first meeting October 8th in the Lewis auditorium. At that meeting, it was decided that, in addition to the usual number of plays given during the year, an additional program would be put on at Christmas time featuring the prologue to *Key Largo* by Maxwell Anderson.

First Play Announced

Work has already begun on the first play to be presented early in December. This play is *Two on an Island* by Elmer Rice. The casting will start October 15th at 2 P. M. in the Lewis auditorium. Mrs. Olive Pierce Hazel will test the various members for parts. Students who are interested in the drama are urged to attend this meeting. Other plays that were considered are *Call It a Day* and *June Mad*. Later in the year, one of these plays may be staged.

Mrs. Hazel believes that this year the drama group will equal and perhaps surpass the fine performances given last year. Those who had leading roles in previous productions are Jane Goelet, Alda Karis, Steve Mendak, Miriam Walker, Jack Perkins, and Charles Reinhardt.

Lewis Delegates Chosen For Home Economics Meet

The Home Economics Convention, October 17, 18 and 19 will be held in Springfield and three Lewis girls, Aldona Glaz, Katherine Knirsch, have been chosen as delegates. These girls will have the honor of tea at the Governor's Mansion, a banquet in the Main Ball Room of the Abraham Lincoln Hotel and a tour through places of interest including the

Two Lewis Men Publish Textbook

The completion of the textbook, "A First Survey of Chemistry," written by Norman Kharasch and Helen S. Mackenzie of the Lewis campus, has been announced by the department of chemistry. The text is "tailor-made" for the survey course in chemistry and is intended to fill the need for a simpler and more direct treatment of the subject matter—a need felt by students and instructors alike.

A number of valuable features are incorporated in the text. Among these are a discussion of atomic structure and electro-chemistry, a survey of the important groups of non-metallic and metallic elements, a chapter dealing with the ceramic industries, and an outline of the principles and operations of organic chemistry. Throughout the text, emphasis is placed on an understanding of the structure of matter and of the uses to which its various forms may be put.

At all times the text material aims to ground the student in the subject matter so that he may extend his knowledge by study of carefully chosen reference works. Exercise have been included to test the student's knowledge of facts and his ability to make predictions from a knowledge of theoretical principles. The text is amply illustrated with historical material and diagrams. One of the most intriguing illustrations is that of the three dimensional periodic chart derived last year by Norman Kharasch.

The text is at this time presented in a preliminary edition and is to undergo a rigid revision as dictated by actual class-room use before release to one of the chemical publishers.

Lincoln Memorial. They are expected to bring back many new and practical ideas concerning problems of club work and home economics.

RULES AND REGULATIONS FOR STUDENT UNION BUILDING

I.--Management

1. The management of this building, excepting the dining hall and book store, is in the hands of the student union and the appointed manager. The manager shall be in direct charge. Any controversies arising shall be settled by the board.
2. The management of the dining room and the book store, as well as all financial matters pertaining to the Student Union building, is in the hands of the treasurer of the Institute. The student board and the manager shall assume responsibility for student conduct in the lunchroom and the bookstore.
3. The board shall meet the first and third Wednesday of every month and any other time as may be considered necessary by the chairman of the board. Adjournment over a definite period of time shall be voted upon by the board.
4. Students having complaints or suggestions to the board should file same with the chairman of the board or the manager of the Student Union at least two days before the board meets.
5. Requests for rooms (meeting or dining) or the entire building must be in the hands of the manager at least one week in advance of the day desired. A policy of first come, first served shall apply until circumstances warrant a change.

II.--Hours

1. The Student Union building will be open for student use on: Weekdays (except Wednesday and Saturday)—8:00 a. m.-10:00 p. m. Wednesday—8:00 a. m.-5:00 p. m. Saturday—8:00 a. m.-12:00 noon.
- These hours do not apply to either the dining hall or the book store, and they are subject to change without notice by either the manager or the board.
2. The Student Union building shall be open for use at any other time as may be deemed necessary by the manager or the board.

III.--The Dining Hall

1. The dining hall shall be the only room to be used by the students for eating purposes.
2. Card playing, chess, checkers or studying is PROHIBITED at all times.

IV.--Study Hall and Auditorium

1. Smoking or card playing will not be permitted.
2. The chairs and tables are not to be moved.
3. That a degree of silence conducive to study be maintained.

V.--Lounge

1. Studying in the lounge will NOT be permitted. Studying here applies to written work. Reading will be allowed.
2. The lamps are not to be moved.
3. The larger chairs should not be moved. Any small chair moved should be returned to its proper place.
4. Card playing should be confined to the tables as provided. Gambling will NOT be tolerated.

VI.--General

1. In all cases, gentlemanly conduct is expected of all students. Suspension from the use of the facilities of the building for a definite period of time shall serve as the penalty for any infraction of the rules, or the understood rules of good conduct.
2. Any room in the Student Union may be closed at the discretion of the manager or the board.
3. Students found guilty of damaging or destroying property of the Union building will be charged for the necessary repairs.
4. All intramural equipment will be kept in the check room.

Summer Grad Session Serves Trifold Purpose

By Charles McAleer

The success of this last summer's graduate school program is indicated by the enthusiasm for it shown by graduate students throughout the country. A maximum enrollment of 100 was effected; the actual enrollment reached was 165.

The summer session served a trifold purpose. First, it brought together some of the foremost minds and experts on essential industrial operations and theories. Second, it provided a foundation for training of engineers toward the trend of nation preparedness. And third, it gave a healthy shove to rapidly increasing rate of growth of Armour's graduate school.

Shortage of Engineers

Of these three purposes, probably the most important is that concerning the question of national defense. Among the realizations brought about by this country's sudden awakening to its danger from unfriendly and antagonistic countries is its shortage of qualified engineers to plan and inaugurate, and supervise any extensive defense plans proposed by the government.

It is felt by many of the better informed persons in this country that the difficulty in production of the necessary war materials and equipment during an emergency period would be "bottlenecked" by the shortage of engineers and not by a shortage of labor, materials, or even organization. For this reason, through the efforts of "The Defense Coordinating Board of Armour Institute of Technology" composed of Dean Orinter, Harold Valborg, and Dr. Poulter, the summer graduate session emphasize courses with a view toward training such engineers.

Among the many renowned experts who convened here as part of the instructing staff were such men as Stephen P. Timoshenko of Stanford University, Hans Reissner of Armour, C. C. Furnas of Yale, J. C. Morrel of Universal Oil Products Co., W. L. Everitt of Ohio State U., Gabriel Kran of General Electric, and Max Jacob of Armour and several others equally well known and equally well versed in their particular fields.

The courses given were, in the main, practical and useful especi-

(Continued on page ten)

Defense—

(Continued from page one)

will be short and so arranged that working men will be able to take them without hampering their jobs.

Under the program, an experienced die-maker, for instance will be given the opportunity to study special subjects which will enable him to take a job as a tool designer. A man working in the chemical industry may be given the chance to study explosion chemistry. A man now working in industry will be "boosted" into a higher bracket, thus making an opening for an unskilled man.

At the meeting, it was decided that any of 25 different courses can be taught at Illinois Institute under the new program. These courses could be placed essentially into five groups: production control, explosion chemistry, aeronautics, materials testing and engines.

It is expected that the program will go into operation very soon since it is considered essential to the future position of the United States at the present time.

MOLECULES GET FINGERPRINTED BY LIGHT PHOTO

By Julian Bowers

"Seeing something that can't be seen" expresses exactly the function of the Raman spectra upon which Dr. Forrest F. Cleveland and Dr. Maurice J. Murray, instructors at Armour college of the Illinois Institute of Technology, have been working quite diligently for the past several years.

Performing this mysterious service is an apparatus which literally "fingerprints molecules". This so-called fingerprinting is attained by the photographing of light which passes through a liquid. The molecules of different fluids photograph differently, enabling identification of liquids by this process.

In operation, the spectrograph is quite unique. A mercury arc lamp sends out light waves which must pass through a specific solution. This solution filters out most wave lengths of light and allows only light of one length to pass through it. The beam is focussed into a large box where it is tremendously enlarged upon a screen and recorded on a film.

From Darkest India

The principle of this spectrograph was uncovered by Raman, a native of India. In working upon the spectrograph, Dr. Murray is concentrating on the examination of the finished film taken by the spectrograph and Dr. Cleveland adjusts the light source and projecting stage. Also in this field, these two men are developing an infra-red ray device to aid in the work of the spectrograph. Four graduate students are contributing much work to the spectrograph research.

ACSA TO AMEND ITS CONSTITUTION TO INCLUDE ALL

Last Tuesday, the delegates of the newly combined Armour and Lewis student organizations held their first meeting in the student union. It is hardly necessary to stress the significance of the event. Hitherto the ACSA represented the Armour students. Now, the ITSA will represent both Armour and Lewis on a single board.

Everybody Included

Such activities are now enjoyed by students of both Armour and Lewis colleges. The former Armour officials met with two special delegates appointed by Dean Clark to represent Lewis.

It was not formally decided to amend the ACSA constitution, in order to take in all Lewis students.

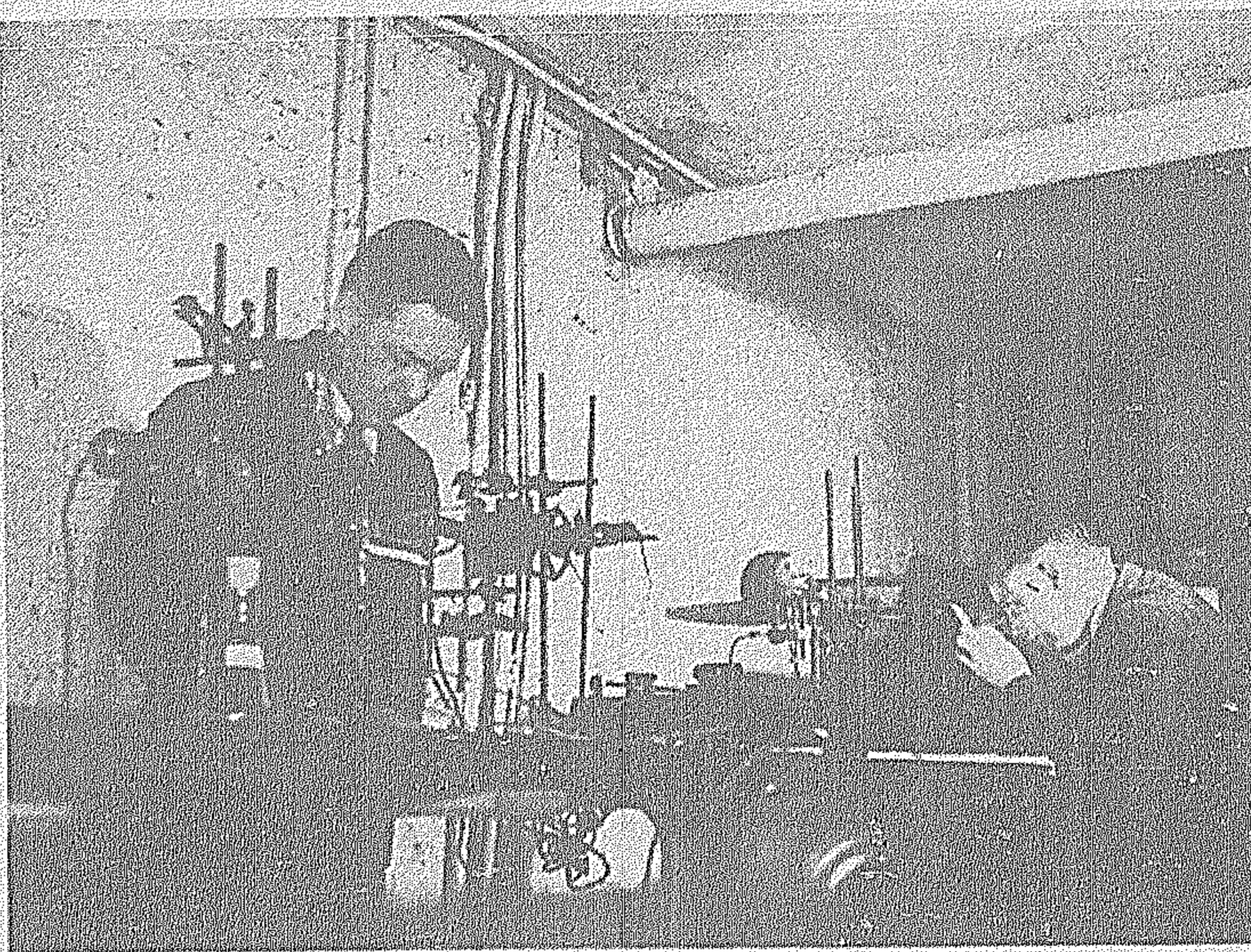
Intra-Mural

It was decided that this year at Armour that ten medals are to be given for a maximum of interclass touch ball, and 12 medals for interclass hardball. The effect will be profound in intercollegiate competition. Illinois Tech will now have a greater number of potential athletes to choose from.

As we realize Technology News is the combination of the former Armour Tech News and the Lewis News, likewise the yearbooks may be combined into a bigger and better publication.

Much important discussion took place and great decisions will be announced officially in the near future. We await the next meeting to be held in two weeks when the Lewis delegates will have thoroughly discussed these problems with their fellow students.

RAMAN SPECTROGRAPH



By Paul Leopold, Staff Photographer

Dr. Cleveland readjusting the light source while Dr. Murray inspects a finished film.

Chess Club Strives To Consolidate All Players Into Group

The initial meeting of the Armour Chess Club was held on Thursday afternoon, October 9, from 3 to 5:30 P. M. A satisfactory number of players responded to the call for students interested in chess, including two enthusiasts from the Lewis campus. There is still room for an additional number because the present members wish to defer the election of officers until the membership roster is of greater size.

Aim Is Consolidation

The idea of an Armour Chess club is not new, as there was such an organization some years ago. This early club failed, and now George Reynolds, a student at Armour, is attempting to revive interest in the game. He estimates that there are at least twenty-five high-caliber chess addicts attending Armour college not counting the Lewis campus students. The main purpose of the club is to consolidate those interested in the game into one group, instead of the present scattering of private games being played almost constantly around the campuses.

Tourney Soon

A chess tournament will be held in the near future. It will be open to anyone for the purpose of choosing a team to represent Armour in contests. Matches will be with various other college teams in the Chicago area.

Meetings will be held on Thursday afternoons from 3 to 6 P. M. in the auditorium. Prospective members are welcome, and are asked to bring their own chess sets.

FPE Film—

(Continued from page one)

other equipment used by the fire departments.

Serves Public

It is the testing of the other types of products that present the most interest to the ordinary man on the street. How should an electric iron be constructed for maximum safety? How many times will a certain wire withstand bending without a "short"? All of these questions and many more are constantly before the underwriters in one form or another, whether the public recognizes it or not.

AIEE to Feature Student Papers At Next Meeting

"Developments in Facsimile Transmission," "The History of Television," "Automatic Train Control," and "Fluorescent Lighting" are the titles of the four student talks to be given respectively, by Jorma Leskinen, Hobart Bunce, Vitold Edutis, and Paul Kochale at the next meeting of the I.I.T. Branch of the A.I.E.E., which will be held on Friday, Oct. 18, at 10:00 a. m. in room 2W, student union.

Train Control Systems

Vitold Edutis was given honorable mention for his paper at a contest of the A.I.E.E. last year. His paper describes in non-technical language the advantages, operation, and theory of various kinds of automatic train control systems used in America.

Jorma Leskinen will explain the problems and the adoption of the facsimile system of transmission to radio news broadcasts.

Flourescent Lighting

Paul Kochale is to discuss the latest developments in the fluorescent lighting industry.

At the last meeting a new constitution was adopted to include both Lewis and Armour branches into one branch, called the Illinois Institute of Technology Branch of the American Institute of Electrical Engineers. The present officers are: Ben Cole, president; Tom Brown, vice-president; Leonhard Holmboe, secretary; and Joseph Corcoran, treasurer.

Dutton To Speak In Fort Wayne

By William Laube

Professor H. P. Dutton, Dean of the evening division of Illinois Institute, will speak in Fort Wayne today, at the local chapter of the National Association of Cost Accountants. His speech, on "What are the essentials of a sound organization?" will include discussions on the structures of organization, possible plans of division of duties, general processes by which an organization is controlled, and the use of cost accounting in controlling it.

The National Association of Cost Accountants is an important organization, especially with respect to manufacturing companies. It has had a strong influence through the years on the increased recognition of the importance of the profession to industry.

Large Automatic Air-Conditioning Lab For Armour

Through the cooperation of several prominent Chicago companies, Illinois Institute of Technology has recently installed a new \$5000 air-conditioning and refrigeration laboratory. The laboratory is fully equipped and said to be the best of its kind in this area.

Peebles Directs Installation

Installed under the direction of James C. Peebles, professor of experimental engineering and a member of the staff of the Armour Research Foundation, the laboratory has been supplied with standard equipment for the study of particular problems of air-conditioning and refrigeration. The equipment is supplied with automatic controls so that a very close regulation of performance of the entire plant is possible. The refrigeration portion of the laboratory is also equipped with a standard water cooler of advanced design, making possible a number of highly important and very interesting experiments of heat-transfer, the essence of all refrigeration problems.

Complete Conditioning

In the air-conditioning field, provision has been made for the complete conditioning of air intended for ventilating purposes. This includes washing, filtering, mixing, heating, and cooling. In connection with the washing operation it is possible to obtain considerable humidification and dehumidification.

The laboratory will receive much use by the evening students during the academic year 1940-41. The first research studies and courses in this field began Monday, September 30, with the opening of evening session work.

The installation of the laboratory is the first of many improvements planned for the Armour College of Engineering Division of Illinois Tech. This is especially important at this time in view of expansion plans predicated upon the program of making Chicago the center of engineering training and research work. Much of the equipment for this laboratory was donated by ILG Electric Ventilating Company, Powers Regulator Company, and Mills Novelty Company.

New Courses—

(Continued from page three)

Advanced mechanics courses have been started. One of them, advanced mechanics of materials, is conducted by Prof. Marin, while Prof. Reissner teaches advanced flow of fluids.

Advanced Study

Of significance is the program designed to provide laboratories for advanced study. A chemistry laboratory for research in general fields of chemistry has been located in Chapin Hall, and a movement to provide space on the third floor of the Physics Buildings for an electrical engineering research laboratory is underway.

Mr. Schumacher has also been experimenting with the use of different types of metals in die-casting. The use of the correct metal or alloy is a very essential factor in the perfection of the process of die-casting.

An indication of the amount of work accomplished thus far by the research foundry is shown by the fact that the furnace which was originally constructed for this process has already burned out. However, the furnace has been relined already and work is continuing at the same rapid pace.

News Cameramen "Shoot" Co-ops At Supper-Dance

(Pictures on Page One)

Over 200 celebrating Co-ops and guests inaugurated the social year at a buffet-supper-dance in the Armour Student Union Saturday evening. Music was provided by pianist Fritz Freund and his youthful but unusually capable band.

Dancers enjoyed not only the music in the ballroom-auditorium, but the buffet-supper of choice cold meats and cheese which was served in mid-evening in the cafeteria. Award for the most efficient and vociferous table service was unanimously accorded to Bernard "Sonny Weissman, Student Union manager, who "served the soup" with surprising poise. (He worked for this press notice, therefore we oblige—ed.)

Attitude of the merrymakers was one of celebration by the "B" group Co-ops of the completion of their latest term and anticipation on the part of the "A" group men of their last eight-week term of the year. Senior "A's" will complete their five year mechanical engineering on November 5th of this year and the entire class will graduate in January.

High points in the proceedings were the candid-camera antics of Technology News photographers, Ed Center and Bob Anderson.

NOTICE

Those who have completed Physics Laboratory work please call for reports Tuesday or Wednesday, from 2:00 to 5:00 o'clock.

Class of '41 to Continue With Its Commissioners

"Whether the Senior class should have a commission or office form of government," was the business of the day at the first meeting of the Senior class of Armour College last Friday. After some lively discussion, it was decided by a show of hands that the commission system should be adopted as used in the junior class of last year. Each department meets separately and elects two delegates to represent its members. Thus, the senior class will have a commissioner's body of 12 men to meet, discuss and plan.

John Sauvage, Junior commissioner, is acting as temporary chairman until the next election takes place, October 22nd. All nominations must be made by October 18th. During the discussion from the floor, it was decided to elect one of the 12 commissioners to devote his time to publicity for the senior class. It was decided to have separate class organizations at the Armour and at Lewis campuses until further arrangements are made.

Musical Clubs--

(Continued from page one)

for he not only directs the Lewis glee club, but the Armour glee club and orchestra as well. Mr. Erickson and the members of the glee club wish to invite all those who can sing or are interested in singing to come down to the auditorium for practice every Monday and Wednesday at 3:00 P. M. Bernie Silvers, has been chosen as the pianist for the Club.

CHEMS TO GET LAB FACILITIES IN CHAPIN HALL

By Frank Nilles

The new chemistry section, in the graduate division at Armour, according to Dr. Benjamin B. Freud, has registered 13 students for laboratory research work in the current semester. Of these, four already have their M. S. degrees, and are seeking their doctorates. The remaining nine are working for their masters' degrees.

In addition to the laboratories provided last year, a new one has been made available to these students. One of the laboratories is used exclusively for physical chemistry, while the other is used for research in organic chemistry. Ten of the graduate students are accommodated by these laboratories, while the other three make use of the Murray-Cleveland spectrography laboratory.

Pure Chemistry

Although there have been research laboratories in chemical engineering before, this is the first time that research work in pure chemistry has been done at Illinois Institute.

Dr. Freud states that no alterations have been made in the undergraduate section of the department, except those faculty changes necessitated by the Armour-Lewis merger. In connection with the new consolidation, Prof. Supple and Dr. Freud have exchanged a part of their laboratory courses in organic chemistry. Dr. Schultz, of Armour, has been transferred to Lewis this semester, while Dr. Pappard of the Lewis faculty, is now at Armour.

Summer School

(Continued from page nine)

ally when viewed in the light of home defense preparations.

Preparation for an expansion of the air industries was indicated by courses in practical applications of aerodynamics in aviation, the use of catalysts in the oil refining and gasoline producing industries, and applications of theory of elastic stresses in their sheets and shells (such applications are tremendously important in airplane fuselage and wing construction).

General power production and machinery and structure construction and maintenance were considered in such courses as Vellott's Steam Power Plants, Karelyty's Bearings and Lubrication course, Lakof's Heat Conduction and Printer's continuous frame design course.

In the civil service field were such courses as Marin's Structural Mechanics which dealt with the analysis of structural members. And in the field of organization were courses on efficiency and personnel work by experts in the field of economics.

Draft--

(Continued from page one)

ice registration, will be Professors C. A. Nash, J. C. Penn, A. W. Sear, W. H. Seegrist, and R. C. Kinter. It is emphasized again that this registration will be only for those students not living at home. Approximately 200 students now enrolled at the Institute will take advantage of the registration office here at the institute.



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