



## JUNIOR INFORMAL PLANS COMPLETED FOR NEXT FRIDAY

Music Furnished by Doug Peppard's Orchestra  
SUCCESS IS ASSURED

Just a few days and nights more and the Junior Informal will swing into action. The junior social committee has completed all its preparations, and Ray Pflum the social chairman enthusiastically promises an affair which "will be some dance, and how." No efforts have been spared, and everything is in readiness for the sweet music which will emanate from the orchestra of Doug Peppard and for the pretty girls who will grace the main ballroom of the Illinois Women's Athletic Club.

### Doug Is College Trained

It is well known that a good orchestra is one of the prime factors for a successful dance. After a great deal of scouting the committee finally selected Doug Peppard and his Northwestern University Troshadors. Doug is one of the famous company of college educated orchestra leaders. Strangely enough college trained band leaders are so predominant as nationally known entertainers that it seems as if a college education is a requisite for a man to be a successful leader. A surprising number of men at the head of prominent orchestras started playing at fraternity and house dances as the "school jazz band." Probably the fact that they absorbed the collegiate atmosphere accounts for their success.

### Was Drum Major at N. U.

Friday night, therefore, the best known middle western collegiate orchestra will play for the Armour Technicians and their "dates." Peppard's orchestra consists of thirteen pieces, featuring five brasses, four saxophones and four rhythmic instruments. They have just come back from Minneapolis, where the orchestra was heard from NSTP and NBC at the Marjorie in Minneapolis. In Chicago the Argos, the Opera Club, the New Chateau, and in fact the majority of exclusive supper clubs in our own "Windy City" have been played to by Doug Peppard and his musicians.

Knowing that atmosphere as well as good music is essential for the best outcome of a dance such as this, the social committee chose the ballroom where it will be held only after as much deliberation as that attended by the selection of the orchestra. And

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## Faculty Club Enjoys Big Christmas Party

Armour was enveloped with a spirit of festivity December 14, when the Faculty Club gave a Christmas party in its new rooms, which had been appropriately decorated for the occasion. Two Christmas trees added their note of festivity, one being placed in the dining room, and the other one in the rooms of the club.

A true Christmas dinner, including turkey and cranberry sauce, was served, after which the Musical Clubs entertained the members of the club. Cards were played, and the evening climaxed by a lecture and demonstration by Doctor Thompson, who discussed the phenomena governing conduction of electricity through gases.

The success of the party was directly due to Professor Moreton, president of the Faculty Club, who devoted much of his time to making it an outstanding affair, and to the dinner committee which was composed of Professors Moreton, Nash, Freud, Spencer, and Peebles.

The party fostered a feeling of fraternalism among the departments, which only a meeting of the different units at such an occasion could foster.

## RETIRING AND NEW EDITORS



Orville T. Barnett



Norman E. Colburn Jr.

## RIFLE TEAM WINS MATCH AGAINST HUMBOLDT PARK

By FRANKLIN W. PAINE

Two points gave the Tech Rifle Team a victory over Humboldt Park last Thursday night by a score of 1334 to 1316. The meet was held at the opponent's range.

Thursday's match gives Armour an almost unbroken lead toward the silver cup, prominent possession of which will be determined by the two remaining matches for 1933. Having won the series for two consecutive years, the home club is looking forward to winning a third, although the deciding match which will be held in the fall will see the absence of four men who are graduates.

Three new men featured in the Humboldt match, and all of them showed promise. Fenstrom, who has been playing regularly in postal

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## Einstein to Talk on Economic Situation

On January 21 in Pasadena, the Southern California Student Body Presidents Association will sponsor a discussion on "The World Economic Situation," the featured speaker being Dr. Albert Einstein, the noted scientist. Over 3,000 college men and women will attend the meeting, and the program will be broadcast over a national live-up.

This is the second meeting of its kind to be presented by the Southern California Student Body Presidents Association, the first discussion having been on "World Arrangements."

Dr. Albert Einstein was also the principal speaker on this program, although other prominent persons also gave their viewpoints. These included Dr. Charles A. Beard, noted government and American history authority; Dr. Robert A. Millikan, winner of the Nobel Prize; and Dean McHenry, the student president of the University of California at Los Angeles last year. The meeting was so enthusiastically received that another one was planned.

The purpose of these meetings is to present an intelligent answer to the problems of world-wide importance. Although Dr. Einstein is principally a scientist, his influence has extended beyond this sphere; by presenting his reactions to the present international situations, he has helped to stimulate the interest of the American public in international affairs.

### NOTICE

Students in the Department of Science may register for next semester with Professor C. E. Paul on Wednesday, Thursday, and Friday, January 25, 26 and 27th, and on Monday and Tuesday, Jan. 30th and 31st between the hours of 9:30 a. m. and 1:00 p. m.

## Davies Conducts Work on Nozzle

For the last two weeks, Professor L. E. Davies has been carrying on some experimental work, with a certain type of nozzle, for the Chapman Pneumatic Machinery Company.

These nozzles, which are being developed by Sanford A. Moss, are to be used in the company's lubricators to test their air compressors.

The experiment is being undertaken to determine whether the same coefficient of the large size nozzle, upon which Mr. Moss has been conducting most of his experiments, is applicable to smaller size nozzles. Results of Professor Davies' experiments have shown the contrary to be the case, and there is a distinct decrease in the coefficient as the diameter of the nozzle becomes less than one inch.

Because of the small volume of air flowing through these nozzles, it has been necessary to resort to rather unusual methods of calibration. This is done by connecting a large air-tight tank filled with water to a second air-tight chamber into which air is admitted through the nozzle being calibrated. The water is then drained from the first tank, caught, and weighed. As this is done, the pressure in the two tanks is held constant by means of properly connected valves. Under these conditions the volume of air passing through the nozzle will be equal to the volume of water displaced, thus giving an accurate measurement of the rate of flow through the nozzle.

### TRUSS CLUB INITIATION

The Truss Club announces the formal initiation of Ralph W. Stahl, M. E. '34, on Tuesday, December 20, and the pledging of Loy H. Callen, C. E. '34; Anthony Stachulis, C. E. '34; Carl Lippincott, C. E. '34; and William Nuetzel, C. E. '34.

## Beaker to Table Top to Pants as Barnett Wins the Schmier

BY ORVILLE T. BARNETT

It is with bowed and bent (not broken) spirit that your chronicler takes his typewriter in hand and begins his weekly message. Ah, yes, again has the weird shadow of the Schmier Chemiker trophy crossed the path of one of the senior chemists.

The presence of this evil omen was felt by one of the peripatetic straggle attendants, "Broken Beaker" Barnett (Orville T. in the bulletin), at a very inopportune time. But why attempt to "beat about the bush" when all the facts are available.

This healthy lad (cough, cough) insisted upon extracting some metallic acid from a mess of iron filings by boiling the mixture and filtering. Unfortunately (Remember, I am not prejudiced) the iron filings decided to collect upon the bottom of the beaker which contained nearly a gallon of solution and crack the vessel in a most insidious manner. Here comes the climax—the owner

## SENIOR JEWELRY NOW ON DISPLAY IN MAIN BUILDING

At the beginning of the school year, the senior class appointed a number of committees to look after its many needs. Some of these committees have completed their work while others are still busy.

The social committee with W. W. Davies as its chairman, managed to make the senior dance a success. The possibility of a senior banquet has not as yet been decided on, and the question as to whether one will be held or not will be settled at a later time.

The senior jackets around the school show that the jacket committee has been busy. Its work is finished and the sale of the jackets is no longer open.

The jewelry committee has obtained samples of rings and keys, both in silver and gold, which are now on display in the main building, first floor. At present, about fifty pieces have been sold, consisting mostly of gold keys.

The cap and gown committee will not start work until next semester when it will know who is to graduate.

The announcements, according to B. Larson, chairman of the committee, are to be approximately the same as in previous years with the exception of the design which will be a little different.

C. K. Simons, chairman of the photography committee, set last Saturday, Jan. 14, as the deadline for individual pictures. A date for the group pictures for the year will be set some time in the near future.

## Chess Club Members Start Beginners Club

Several matters were brought up and discussed at the weekly meeting of the Chess Club on Thursday at 3 o'clock in the Campus Club rooms. The formation of a beginner's class in chess was greeted with enthusiasm by the members, several of whom knew men interested in learning the game of chess. Anyone wanting to learn chess is cordially invited to come up to the rooms set aside in the Campus Club for the use of the Chess Club members. Here they will meet members of the Chess Club who will be glad to teach the new players the game of chess.

The Chess Tournament has been progressing very favorably. Many of the games have already been played off and the results posted on the bulletin board in Main Building.

Robert Lodzki, second president of the Chess Club, has taken over the duties of the secretary-treasurer due to the resignation of Barry Kostenko who is unable to devote the necessary time.

## NEWS STAFF APPOINTEES FOR NEXT YEAR SELECTED BY PUBLICATION BOARD

Managing Board Consists of N. E. Colburn, Jr., C. W. Clarkson, Jr., H. W. A. Davidson, and R. A. Fleissner

### NEW STAFF BEGINS WORK IMMEDIATELY

BY ORVILLE T. BARNETT

At a meeting of the Board of Publications held last Friday appointments for the staff positions of the *Armour Tech News* were approved. Norman E. Colburn was appointed to the position of editor-in-chief. Colburn has worked on the staff of the *News* from his freshman year advancing from a reporter to associate news editor assisting E. E. Eberth.

The new business manager will be Clarence Clarkson who has been assisting Raymond E. Nelson for some time. The managing board of the paper will consist of Raymond A.

Fleissner, the new sports editor, and Harold W. A. Davidson, the new managing editor, as well as the two other new appointees and the three faculty advisers, Professors Hendricks, Colvert, and Grafton.

Davidson will be in complete charge of the editorial department. Working in close conjunction with him will be E. N. Searl, news editor, and E. G. Avery, copy editor. The slipstick will be handled by E. C. Kenner, who has been running the column for the past semester. The other members of this department will be associate editors: R. D. Armstrong, L. J. Beckman, R. L. Ellis, O. P. Freilinger, A. J. Rosen, R. H. Tague, and P. J. Thompson.

### New Advertising Manager

In the business department of the newspaper K. M. Hanson will take over the duties of advertising manager assisted by J. Paslawski. There will be two circulation managers in the persons of J. Schroiner and E. A. Svoboda.

The reporters for the coming year will be W. Ahorn, C. R. Bristol, C. Christensen, K. Dunn, A. Hjeltnan, T. F. Jones, B. M. Kostenko, W. P. Krol, J. Land, H. Levin, L. Marcus, E. P. Mozera, W. Scharringhausen, D. O. Schwennson, E. Urback, and P. Waichunas. The assistants in the business department will be G. L. McKibben, F. Noerberg and C. B. Sommer.

These recommendations were all approved by the Board of Publications according to the new system instituted this year. Although it was formerly the custom to announce the appointments of the *Armour Engineer* some time in May, the news of these appointments will be presented in a following issue.

As has been the custom in the past, the senior members will be available for another six months should the new incumbents at any time experience any difficulty. The seniors who are retiring are O. T. Barnett, J. W. Juvinal, R. F. Ryehlik, R. E. Nelson, E. E. Eberth, F. W. Paine, W. T. Dunner, H. W. Bodinson, S. H. Morris, E. C. Kubick, H. Menger, H. Fishman, H. F. Becker, M. A. Collick, J. L. Kampwirth, and M. J. Erieman.

### New Staff Begins Work

The new staff will take charge of the publication of the *News* commencing with the next issue. Appointments to the Board of Publications will be made some time in May. The new set-up, the mechanics of which will be more clear after a look at the revised masthead, has been designed to aid in a more perfect organization with a close supervision and check upon every detail of the work.

## Edison Officials Talk to A. I. E. E.

Members of the A. I. E. E., last Friday, listened to a very interesting lecture on photo-electric cells, given by Mr. R. H. Kologir and E. J. Fahelan, of the Commonwealth Edison Company.

The cell was first discovered by a German in 1887, and works on the principle that when light strikes the filament, electrons are emitted and a current flows to the plate.

At first this cell was used to measure the intensity of light, but today its uses are manifold. By the intercepting of its ray, an electric circuit can either be made or broken, in accordance with the cell's connection to a relay.

Among the uses demonstrated or discussed by Mr. Kellerg was the opening of garage doors, ringing of burglar alarms, protection of bridges, lighting of store windows, control of illumination in schools and factories, the control of electrified advertising boards, and testing of crankcase oil.

Perhaps the most interesting demonstration during the lecture, was the lighting of an incandescent lamp by merely holding a lighted match near a photo-electric cell connected to the lamp. The light from the match caused a current to flow in the cell, which current was then amplified, causing a relay to close, and light the lamp. Then, by merely holding an opaque object between the lamp and the cell, the circuit was opened again.

## F. P. E. S. to Hear Talk on New Developments

An enlightening lecture on "The Underwriting of the Sprinklered Risk" was delivered by Mr. Hill, an examiner for the Springfield Fire and Marine Insurance Company, to the members of F. P. E. S. last Friday.

At the next meeting January 20, Mr. R. E. Maginnis will speak on the new developments in the service of the A. D. T. system. His lecture will include a display of operating models.

The annual smoker is to be held sometime in March, according to Earl T. Sorenson, president of the F. P. E. S.

## Musical Fraternity to Initiate Members

The initiation of Clarkson, Collick, Brennan and Reardon as members of Pi Nu Epsilon, the honorary musical fraternity, will be held tonight at the Beta Psi fraternity house at 7 o'clock. After the ceremony the members are planning to attend a theatre, and the play decided upon is "The Cat and the Fiddle."

## A. I. Ch. E. Hears Talk on Pickling Industry

Mr. Dillman, head of the pickling works of Libby, McNeil and Libby spoke before the A. I. Ch. E. last Friday, January 13, at 10:30 a. m. The speaker was introduced by A. Helmick, president of the A. I. Ch. E.

The differences in the qualities of the various sorts of dill pickles (the name did not originate from his own, the speaker informed his audience) arises from the different proportions of salt and water used in the pickling process. The brine controls the concentration of lactic acid, which is formed in the pickles by a fermentation process which is due to enzymes. According to the speaker it is the enzymes which, after some time, cause the spoiling of pickles. According to others, the lactic acid is the cause of the spoiling.