

STEAM SHOVEL

Congratulations to the men who were pledged to Tau Beta Pi at the general assembly last Wednesday. This honorary fraternity is the highest goal an engineering student can reach in his undergraduate days. Every new man who starts out in an engineering school should have a Tau Beta Pi bent as his ultimate collegiate goal, along with all it stands for. Most of us don't quite make the grade or fall by the wayside. Others keep tugging extra hard, overcoming all sorts of handicaps, and the result is what you saw last week when the nine men walked up to the platform to receive their pledge ribbons from active members.

Since the second night performance of "Captain Applejack" came too late for us to mention it in last week's paper, we wish to state now that personally we thought DOROTHY KENNEDY of Chicago Teachers College did a swell job of playing the lady Russian villian. Her accent was perfect and she kept it throughout the performance.

Did or did not Chevalley get picked up in Evanston at 3 A.M. for parking in front of National College?

Setting a precedent, and hence unlike previous years, the annual TECH NEWS "smoker," to be held tonight in the student union lounge, is to be a party instead, women and all (not a stag party with chorus girls, these females will be strictly dates.) The boys thought it would be more interesting to dance and perhaps pitch a little... (whoa, WHOO!) than smoke big, black cigars.

Paul Foss, the man with the hair, had his girl friend give him a sham-poo Thursday night. It must be fun to know a phrenologist.

Through an omission of type due to a mixup at the printers, two important names were left out of that group which attended the Rialto two weeks ago instead of an A.S.M.E. Convention. BLUME and OTREMBIAK were found inside, sitting all by themselves. They had snuck in, hoping no one would see them.

Follow RUSS KOTAL'S advice, don't get serious on any women until about five years after graduation, and go out with a different girl each time. However, he is still going around with the same little gal. Don't pull the rug from under your feet, Russ!

Art Hansen asked us if we would please state through the medium of this column that he, even though he is feature editor of the paper, is not responsible for the stuff appearing in this column, and would the boys quit bothering him about it. In a way, we can't blame him for his attitude, but feel that he'll give us away if he's not careful.

Hal Johnson didn't go out on dates until six months ago, in his senior year, but look at him now... and with the same girl (Shirley).

SAMUEL FLETCHER BIBB thinks highly of some of our students, particularly with respect to their brain power. When a certain Delt pledge blew his nose extra hard yon prof inquired as to how many brains came out in the blowing process.

Display of Various Mathematical Aids To Be Shown in Library

A new Arithmograph explained and demonstrated by its inventor, Stephen Croll, will be the central attraction of the Open House exhibit of the Mathematics Department which will be in the library. Seven thousand copies of this Arithmograph have been printed and will be distributed. By placing a ruler on the coefficients at the sides of the graph, the roots of a quadratic equation may be read accurate to three decimal places. This graph contains a complete set of instructions and has a wide range of adaptability.

Professor W. A. Spencer's new book of analytic geometry will be on display with the lighting and position of the glasses which are necessary for its best use. Many of the figures in the book are that type of stereopticon pictures in the red and blue impressions of the solid are slightly displaced and do not coincide. The solid is then composed by looking through two differently colored screens.

The plastic models of common geometric solids and their plane intersections, which were recently completed by John Catlin, will be displayed. The models were machined from stock pieces of the plastic known as Catalin.

Professor L. R. Ford is presenting a talk to the Mathematical Club of the University of Chicago. This paper will be read at 4:30 today, May 2. His talk on the theory of fractions is open to any one interested in mathematics and all are invited.

The boys at the interhonorary banquet had some fun with Daniel W. Jacobsen, ye *Cycle* editor. They told "Jake" it was raining out so he pulls out his trusty raincoat and gets all wrapped up. Upon gazing from an open window he awkwardly discovered that the town was dry as a bone. Heh, Heh!

That certain man, recently elected a junior marshall, who has that terrific attraction for red-heads demonstrated his ability a week ago. No sooner had he finished a crack about one he had become acquainted with a few days previously, than two more appeared, and we do mean appeared. They toted a huge police dog for protection.

Rumor has it that Prather, the absent editor, has been seeing quite a bit of that extra (?) artist from the oil fields of Oklahoma, commonly known as Virginia. Her experience as an animal trainer is shown in the way Fritz jumps at her beck and call. Can this be love?

"Crystals" Subject of Fresh Chem Lab Show

Armour's freshmen will be given a chance to strut their stuff on open house night when they will put on their annual exhibition in the freshman laboratory. The theme of the display will be "Crystals"—Nature's Building Blocks.

Under the supervision of Dr. Schaad, Nathan Rumack, the student in charge of the exhibition, has arranged for several displays on the subject of crystals. Crystal structure will be illustrated by a group of interesting models. Three separate demonstrations, will show the growth of crystals from three mediums—solution, sulfur melt and vapor.

Perhaps the most spectacular event of the evening will be the demonstration of the thermite process. Thermite was used to help knock down one huge skyride tower in the Century of Progress Exhibition here in Chicago. The heat generated by thermite when it is properly set off is so terrific that engineers used it to burn through and melt the steel supports of the gigantic tower.

A colorful display of chem-illuminescence will be also featured. Chem-illuminescence involves the slow oxidation of certain organic compounds which yields an intense white light without the presence of heat. Other events will be the growth of lead and tin trees, an exhibition of glass products and their manufacture, and a display of general qualitative chemical analysis as done during the freshman year.

TAU BETA—

(Continued from page one)
is a member of the A.I.E.E. and vice-president of Eta Kappa Nu. He has been active on the *Armour Tech News* and has earned fifty per cent of his tuition.

Sidney A. Heenan, Junior Chemical, entered school on a freshman scholarship. He is a member of Phi Lambda Upsilon, and the A.I.Ch.E., and is reporter of Alpha Chi Sigma. He is a junior commissioner, a junior marshal, an honor marshal, a copy-reader on the *Armour Tech News*, and an editorial assistant on the *Armour Engineer* and *Alumnus*. He has earned 70% of his tuition and is completing his course in 3½ years.

Thomas A. Hunter, Junior F.P.E., is a member of Salamander, and the *Armour Players*, is treasurer of the F.P.E.S. and is pledged to Sphinx. He is editor-in-chief of the *Armour Tech News*, has been an honor marshal two years, and has earned one-half of his tuition as a student assistant in the Physics Department in addition to a freshman scholarship.

Sigmund Moculeski, Senior Ch.E., is a member of Phi Lambda Upsilon, the Senior Commission, the Senior Social Committee, the Glee Club, the A.I.Ch.E., and the *Cycle* staff. He is on the varsity baseball team and has been active in all forms of interclass sports. He has won freshman and senior scholarships, two awards in his department, has been an honor

JUNIOR WEEK—

(Continued from page one)
are now attempting to borrow folding chairs for the outfielders.

Smooth harmony of a superlative style will be one of the outstanding features of the Junior Informal to be held at the Itasca Country Club on Friday, May 12.

While the freshmen are eating spinach twice a day, the sophomores are training by sleeping through their classes in preparation for the class rush, the apex of the week.

In this competition the freshmen and sophomores line up on opposite sides of the field with sand and straw bags placed in the middle. At the sound of the whistle the two sides rush to the center and attempt to return with the bags.

marshal and has earned 80% of his tuition.

Francis A. Opila, Junior Civil, is a member of the A.S.C.E., Chi Upsilon, a pledge of Pi Nu Epsilon, and is on the track team and the school orchestra. He is an honor marshal, the assistant editor of *Transit* and the managing editor of the *Armour Tech News* and is an assistant in the Educational Testing office and the Registrar's Office.

Don Sunde, Junior F.P.E., is a member of the Glee Club, the F.P.E.S., is president of the Junior class and of Delta Tau Delta, is a member of Salamander and is on the *Cycle* staff. He is captain of the golf team and fraternity editor of the *Tech News*.

Alvin Winkler, Junior Mechanical, is a member of A.S.M.E. and Pi Tau Sigma. He is a freshman scholarship winner, student assistant in the physics department and is receiving his degree in 3½ years.

Eugene H. Worcester, Junior F.P.E., is a member of F.P.E.S., Pi Nu Epsilon, glee club, *News* staff, the *Armour Players*, Salamander and the winner of an F.P.E. scholarship.

The theme of Mr. Randall's talk was essentially "Use your head." Among the many qualities required of college men Mr. Randall listed as most important: intelligence, personality, character, and the ability to talk and speak well. He indicated the fact that technically trained men are inclined to be averse to accepting problems for which they have not been specifically trained. He emphasized the necessity for an open mind and the ability to think straightly. He reiterated the long famed inability of engineers to express themselves clearly and concisely. And finally a man must be firm in his convictions and yet have enthusiasm for other men's ideas.

Among the minor qualifications he listed the capacity for hard work, and humility, which most men have, and finally, fondness for people and patience which few men have. He stressed the fact that advancement in industry is not as rapid as advancement in school. With a further urgency to "Use Your Head," Mr. Randall's talk was ended with a round of applause seldom heard for any speaker.

President H. T. Heald To Speak on "Values Of Modern Engineer"

President H. T. Heald, of Armour Institute of Technology, will be the guest speaker at the annual Vocation Day services of the First Unitarian Church of Chicago, Sunday, May 7, at 11 o'clock. These services honor a specific vocation or profession each year and on this occasion, President Heald will represent the engineering profession, speaking on the "Values of the Modern Engineer."

Invitations have been extended to the faculty at Armour and to over sixteen engineering organizations and societies to attend these significant services, which will be presided over by Dr. Von Ogden Vogt, minister of the parish. Dr. Vogt has inaugurated this series of Vocation Day Observances in order to bring out the intense value of the labor of any man in the building up of American democracy and freedom of religious thought.

The church is located at 1174 E. 57th street and expresses the spirit of the occasion in the walls of the building where forty cartouches of inlaid marble portray, in a most beautiful style the various industries and callings of life.

Give Third Lecture By Graduate Group Today

As announced last week, the third in a series of five lectures to be given by the graduate division, will be presented today in the Electrical Lecture Room at 10:30. Dean Grin-ter and Dr. Oldenburger will speak on "The Balancing of Structures" and will deal principally with the mathematical treatment developed by Dr. Oldenburger.

Next week the fourth lecturer will deal with "The Normal Modes of Vibration" and will be presented by Dr. Copeland. The meeting place and the time will be the same as this week's lecture. Dr. Copeland will show how the normal modes of vibration of various figures can be derived from the formulae for simple harmonic motion.

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