Vol. VI No. 15

Armour Institute of Technology, Chicago, Illinois

Tuesday, January 27, 1931

START SATURDAY; FINISH TUESDAY

Schedule Conflicts Must Be Reported to Office

TWO HOURS LONG

The final examinations for the first semester 1930-1931 begin Saturday at 8:36 o'clock. The usual of determining the individual merprocedure will be followed this its of the senior electricals in the year. Each examination will be above three departments that they two hours in length, starting at 8:30, 10:30, 1:10 and 3:10, thus dividing the day into four two hour periods.

The office has done its best to see that there are no conflicting examinations. In case a student finds that he has two examinations scheduled for the same period he should report that fact to the Dean's office at once.

Monday Hard Day

Examinations will be written in the Gymnasium, Room D Mission, 5th floor drafting room, Electrical Lecture Room, Room A Machinery Hall, Room C Mission, Room B Mission, and the Drafting Room in the Mission Building. There are no examinations scheduled for Saturday afternoon; nor are there any for the three to five o'clock period on Tuesday. Monday has the heaviest schedule of examinations, He told of his experiences while at having a complete list from 8:30 to 5:00.

The complete schedule will be found on page 3.

Sophomore Class Dance Doubtful

At the sophomore class meeting last Monday, Jan. 19, Dean Palmer presented statistics, comparing the financial status of the present sophomores to that of the other classes during the last few years. The report showed that the class has less than seventy dollars in its treasury.

This may result in a repetition of the ill fate of the senior class. for the office will not guarantee the expenses of a dance. The money will have to be in the hands of the neering were given an interview social committee, before any definite arrangements may be made.

Advance Payment Necessary

It will be possible to have a dance only if enough of the sophomores, and other students, will be willing to pay in advance.

The class is to hold another meeting in the near future, and it is planned to find out how many cost of two dollars and a half. It will depend, therefore, on the spirit and loyalty of the sophomores, themselves, as to whether there will be a sophomore dance this year.

Prof. Roesch Speaks to S.A.E. Convention

"Temperature Effects Upon Anti-Knock Ratings" was the title of a paper presented at the meeting of the Society of Automotive Engineers by Professor Daniel Roesch of the Institute on Wednesday, January 21, at Detroit, Mich.

His research work was conducted in the Automotive Laboratory here on the campus and covers many infuel.

Charles M. Larson, '13, representing the Sinclair Refining Company, spoke on the subject, "Clarifying Transmission and Rear Axle Lubricants."

C. E. Fitzsimmons, '24, of the Un- | team has a chance to win the meet. derwriters' Laboratories, and G. C. troit caucus.

General Electric Interviews Men

Three representatives of the General Electric Company visited the Institute last Tuesday, January 20, to interview the graduating seniors in electrical engineering.

Every year the General Electric has a number of positions available for graduating college men. These jobs are given on the basis of scholarship, personality and school activities. It was for the purpose were interviewed last Tuesday.

Send Armour Grads

The task of interview was alotted to three "G. E." men and were: E. M. Pinkerton, '09; M. B. Tracy, '28, and L. J. Ericsson, '28. All of these men are graduates of Armour and now occupy positions of importance in the General Electric Company. Pinkerton is manager of the Minneapolis branch, Tracy is in the industrial service department at Schenectady, N. Y., and Ericsson is an industrial heating expert at Chicago.

Talk to Juniors

electricity at 11:30 A M. at Profes- pages each. The charge is \$20.00 sor Moreton's invitation. Pinkerton first class at the Institute in 1909. ganization. Armour and of the General Electric work at Minneapolis.

How to Succeed

Tracy was the next to speak. He told of four points, which if followed, would assure one of success in the General Electric Company. They are: 1, a willingness to work; 2, the ability to meet people; 3, a desire for study, and 4, a knowledge of knowing how to study. The knack of telling a person that he is wrong and still make him like it is, it was said, an invaluable quality in the business world.

Ericsson, in his talk, emphasized the fairness of the company for whom he is working, the difference between school and commercial Fire Protects Hear work, and his engineering experi-

Later in the day the seniors in the department of electrical engi-

Paper to Refund All Extra Subscriptions

have subscribed to the News for the partment being only one year old. whole of the school year. These However, the results shown by a 17:30 P.M.—Registration for Evewould agree to advance the usual students, of course, will not be required to pay the additional dollar of the student activity fee to sup- the railroad. port the paper. A list of such students is being prepared by the by Mr. Howe was the burning of a editors of the News and will be presented to the deans. The exact this and the burning of bridges, course of procedure has not yet etc., which makes the department been decided upon; the student ac- necessary. Bridges are being protivity fee may be reduced one dol- tected by dry pipe lines which have lar for those who have subscribed for the coming semester, or their with fifty feet of hose connected money may be refunded later.

Rifle Team Has Postal Meet With Lane Tech

Shooting on their respective ranges last Friday, the rifle teams of Armour and Lane Tech, engaged in what is known as a "postal meet." Because the results of the teresting phases of this type of Lane team are not available at the time of writing, the name of the winner cannot be announced here.

Judging from their past experience in this phase of ballistics and the number of bull's eyes scored Friday, it is believed the Armour the following men:

This meet has given the Armour Job, E. E., '33; T. P. Ladzinski, C. E., 8:30 A. M.—Regular registration Olson, '29, who is managing editor team an opportunity to see what '32; C. Lane, E. E., '32; C. F. Lewis, of "Motive Power" magazine, were they could accomplish in the com- M. E., '33, and A. Tibbits, M. E., '31. among those present at the De- ing Tribune meet, which they con- H. A. Raschke, E. E., '34, has been 8:00 P. M.—Armour vs. St. Mary's template entering.

NO ISSUE NEXT WEEK

There will be no issue of the News on Tuesday, February third. The next issue will come out February tenth.

CYCLE DEAD LINE SET FOR FEB. 20; MONEY MUST BE IN

A letter has been sent to all the fraternities, clubs, societies and organizations on the campus regarding the policies of the Cycle for the year 1930-31.

The dead line for all publication material, has been set for February 20, 1931. Material which is not paid for by the dead line will not be in-

A six page allowance will be made for each class at a \$75.00 rate. A class picture, list of class officers, snapshots of activities, gloss prints of officers and a write up will con- A.S.M.E. Addressed by stitute the class section.

Social fraternities will be allowed four pages for which they will be charged \$35.00 with the requirement that all necessary cuts are to be furnished by the fraternities. The staff desires a group picture, membership list, chapter roll, Before seeing the seniors, the date of founding and a writeup. three talked to the junior class in Honoraries have been alloted two

All new cuts of keys, pledge butwas introduced as being one of the tons and so forth, if desired, must members of Professor Moreton's be made at the expense of the or-

Two pages will be allowed engineering societies at a charge of \$20.00. The societies must furnish a group picture, list of officers and a writeup of the society.

The clubs are limited to one page at the rate of \$15.00. Each club is to provide a list of officers, a writeup of the club and a group picture.

each organization familiarize themselves with the requirements in order that no delay in the publication of the Cycle will occur. Promptness in writing and returning the articles to the Cycle office is strenuously urged.

Railroad Man Speak

The last meeting of the Fire Prowhich involved the above princi- tection Engineering Society was held Friday, January 23, at 9:30 o'clock. Mr. Howe, inspector in the fire protection department of the Chicago, Milwaukee and St. Paul Railroad, was the speaker.

The fire protection department in connection with a railroad is a \$\|\ 9:30 A. M.—Registration for the \$\| There are a few students who comparatively new idea, the deyear's labor justify the continuance and expansion of this branch of

An interesting incident recited water tank. It is accidents like 7:30 P. M.—Registration for Eveopenings every one hundred feet, to each opening.

fact, from the fire protects point of view, was the installation of two lengths of fifty foot, one and onehalf inch hose on each locomotive. These hose are capable of putting out in four minutes, a fire of two boxcars which have been soaked | 12:30 P. M.—Interclass track meet with flammables and burned for ten minutes.

President Wilde closed the meeting with a plea for applications for | 8:00 P.M. the F. P. E. S. shingles.

TRUSS CLUB INITIATES

The Truss Club recently initiated

W. C. Hoffman, M. E., '33; B. W. pledged.

Link President of Tau Beta Pi

Tau Beta Pi, honorary engineering fraternity, elected C. T. Link, M.E., '31, president at a meeting held in their rooms last Wednes-

Other officers elected at this time

Vice-Pres., R. M. Krause, '31. Cor. Secty., S. M. Lind, '32. Rec. Secty, I. B. Lehman, '31. Cataloger, J. O. Cavanagh, '32. Professor J. C. Peebles was reelected to the office of treasurer of the chapter.

Other business transacted at the meeting was a short report on the National Convention by F. B. Attwood, '31, and the passing of an amendment to the constitution making officers hold office for a year rather than only one semester

of the Standard Oil Company, ad- 2nd and 3rd between 9:30 A. M. and dressed the members of the Ar- 1:00 P. M. mour Branch of the A.S.M.E., at a meeting which was held Thursday, completed in one day. The advan-January 22.

to give an illustrated lecture on the and save time. refining and other processes in the was unable to deliver it. He did, completed on these days. however, make an extemporaneous the oil industry.

In the lecture he clearly stressed the above dates. the fact that the one important need of the industry was a means of controlling overproduction. This Automotive Lab factor is detrimental to the financial status of the several oil com-It is urgent that the members of panies, and may be blamed as the cause of the periodical variations in gasoline and other fuel oil prices. The storage of fuel products exceeds by far the cost of production, and the price of the commodity is thus affected.

Mr. Truett plans to return this week and give the scheduled lecture, "The Making of Gasoline." The date will be announced later.

Those desiring to enroll in the evening school may do so Thursday and Friday evenings, January 29 and 30. Enrollment is made in the dean's office with Robert V. Perry, The initial results have been obdirector of evening classes.

Calendar

Wednesday, Jan. 28

second semester begins.

ning classes begins. Thursday, Jan. 29

9:30 A. M.—Registration for the second semester continues.

Saturday, Jan. 31 8:30 A. M.-12:20 P. M.—Beginning of final examinations.

Monday, Feb. 2 Probably the most interesting \$\mathbb{\mathbb of final examinations.

Tuesday, Feb. 3 8:30 A. M.-3:00 P. M.—Last day of final examinations.

Saturday, Feb. 7 at Bartlett Gymnasium of the University

of Chicago. -Swimming: Armour vs. Illinois Wesleyan at Bloomington.

8:00 P. M.—Armour vs. Western State Normal in Basketball at Kalamazoo.

Monday, Feb. 9 day for the second semester.

FOURTH ANNUAL INTERCLASS TRACK CHAMPIONSHIP BARTLETT

Ribbons and Medals Awarded to Individual Winners of Each Event

FREE ADMISSION FOR ARMOUR STUDENTS

Students Should Register Early

Letters were mailed last week to all students of the Institute, regarding the new registration plan to be adopted for the coming semester.

Student registration under this four men each. new system will take place on Standard Oil Chemist Wednesday, Thursday, and Friday, January 28th, 29th and 30th and on Mr. L. H. Truett, a representative Monday and Tuesday, February

tage of the new system is that it The speaker had been scheduled will relieve pressure in the office

By presenting a tentative promanufacture of gasoline, but due gram and receipt to the instructors, to the failure of the projector he enrollment in classes may also be

Students are urged by the office talk on the economic conditions of of the deans to take advantage of this plan by registering on one of

Gets New Motors

Two new gasoline engines have 5 P. M. next Friday. been obtained by the automotive laboratory for the purpose of study. the meet. Their teams have won The first is a new Buda motor, which will be tested by Gene Davidson for its efficiency with vari- to compete. ous types of fuels, and the second is a new Chrysler Eight which will be subjected to tests for power and efficiency by Fred Borrowdale and Harold Fox.

Other automotive laboratory activities include work being done on the detection of intensities of noises under various frequencies. tained and according to the present indications, final results will be available shortly. Sound rhythm analysis is a new test and will prove interesting to those familiar with motors.

Air meters of the orifice type are being attached to several engines in the automotive laboratory. Here an electric heating device measures the air to the engine as well as adjusts the temperature to the proper magnitude. A few are complete but the others will be ready for student experiments next semester.

ning classes contin- Pi Tau Sigma Holds Election of Officers

At a meeting held last Thursday in the Tau Beta Pi rooms, Pi Tau hold office for the coming semester: President, R. M. Krause; Vice-President, F. F. Strassenberg; Recording Secretary, H. R. Davis; Corresponding Secretary, A. Cannon; Treasurer, R. H. Stevenson; Cataloguer, H. L. Fox.

Freshman Class Smoker Postponed to Next Term

The smoker to be held this semester by the Freshman Class has been postponed to next term. Lateness of date, coupled with unforeseen difficulties, are the causes, it is said, of the postponement.

The present Junior Class inaugurated the idea of having a class smoker when they were freshmen. The precedent, however, has not been followed.

The Fourth Annual Interclass Track Championship will be held on Saturday, February 7, at Bartlett gymnasium at 2:30 p. m.

The events will be: 50 yard dash, 220 yard dash, 50 yard low and high hurdles, 440 yard run, 880 yard run, one mile run, two mile run, high jump, shot put, pole vault, and class relay, consisting of

Medals Awarded Place Winners Ribbons will be awarded for the first three places in each event; blue for first, red for second, and white for third place. Points will be scored as follows: first place, Formerly the registration was three points; second place, two points, and third place, one point. The class team which has the highest number of points at the end of the meet is declared the interclass champions of 1931.

Suitable medals will be awarded to the men on the interclass championship team. All students are urged to come out and cheer their respective teammates on to victory. There are no admission charges to any of the track meets.

To Compete in Three Events Only No member of any class team may enter more than three events including the relay. All men should report their entries to Captains H. L. Fox or F. M. James before

The class of '31 is favored to cop the championship for the past two years. They have six men eligible

Seniors Favored to Win

The juniors and sophomores are expected to give them plenty of competition. The freshmen are, as usual, the dark horses of the meet.

Twelve to fifteen men are practicing every day at the gym. New men should only practice two to three times a week in order not to become stale.

The following men have received uniforms from Manager F. Munch: Captains H. L. Fox and F. M. James, A. H. Jens, D. J. Iverson, E. E. Sademan, E. L. Cordes, C. J. Jens, H. P. Richter, K. S. Hirsch, G. J. Stockmann, J. Sorenson, O. Murphy, M. Venema, G. Nelson, C. Cunningham, O. T. Barnett, S. T. Leavitt, J. J. Gura, E. Curran, A. H. Helmick, A. Hartanov, W. Holland, A. Jungels, M. Berger, L. S. Anderson, O. Staib and F. M. Alberti.

The following is the tentative schedule for the 1931 season:

Indoor

Saturday, February 7 -- Fourth Annual Interclass Meet at Bartlett Gymnasium.

Friday, February 13-Armour Informal Meet, including University of Chicago's second team, Chicago Sigma elected the following men to Normal, Y. M. C. A. College, Sears, Roebuck Y. M. C. A., Armour and Crane.

> Saturday, February 21—Loyola at Loyola; Crane or Lake Forest may also compete.

Saturday, February 28-Bankers

Saturday, March 14-Illinois Relays at Champaign, Illinois.

Saturday, March 21-Third Annual Armour Indoor Invitation Meet at Bartlett Gymnasium. Saturday, March 28-Central A.

A. U. Championship. Outdoor

Saturday, April 4—Loyola at Loyola; Elmhurst may enter. Saturday, April 18—Crane at Og-

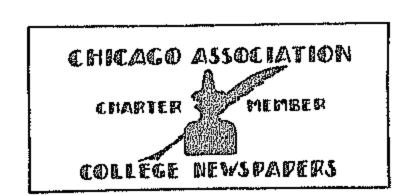
Saturday, April 25—Drake Relays at Des Moines, Iowa.

Tuesday, April 28—"Y" College at e e 🟋 🕶

den Field.

Apmour Tech Mews

Student Publication of the ARMOUR INSTITUTE OF TECHNOLOGY CHICAGO, ILLINOIS Published Weekly During the College Year



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H. Bodinson, '33	H. P

P	1. Jungels, '32
5	3. Anderson, '32
F	. Kesselring, '31
F	I. Pilgrim, '31

A. M	yers,	'31	
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"There are many things that in themselves have nothing that is truly delighting; on the contrary, they have a good deal of bitterness in them; and yet by our perverse appetites after forbidden objects, are not only ranked among the pleasures, but are made even the greatest designs of life."

Sir Thomas More. Born February 7, 1478.

REGISTRATION

For several years it has been believed quite generally that the registration day tangle should be and could be obviated in some manner. In September, 1925, the single registration day that had been in use was supplanted by two days, one for freshmen and one for upper-classmen. The single day given over to the purpose at midyear, however, was allowed to remain unchanged. Last September, another improvement was made when a third office for the collection of tuition was opened in addition to the two already serving the students. This undoubtedly shortened the time required for the entire enrollment and to some extent decreased the waiting done by any one student.

Recently, the office of the Deans announced a new plan for student registration and enrollment. This plan, an innovation at Armour, provides for six days on which students may register and enroll in place of the one day previously reserved for these operations. Tomorrow is the first day thus set aside. The school officers have instituted this plan in the hope that it may reduce or entirely do away with the rush and confusion which has always accompanied the beginning of a semester.

The description of the new system has been extensively advertised throughout the school. It has been printed in the Armour Tech News, has been posted on the bulletin board, and has been sent by mail to the homes of the individual students. In this way the Office of the Deans and the Armour Tech News have made it possible for every student to familiarize himself with the new plan. It now remains only for each student to avail himself of this opportunity to avoid the delay and confusion always heretofore associated with registration day.

Of the six days provided for registration, payment a minute?" he asked. of tuition and enrollment in classes, the first three are days during which the school will function as usual. Each student may register and pay his tuition at any time during these days that he finds convenient papeh where you-all wanted a good culledman. Is you and may enroll in next semester's classes as soon still wantin' one? Then the man youse got is puffthereafter as he wishes. The only restriction placed | dectly satisfactory, and you dosn't connemplate upon the students by school officers is that no "cut-|makin' no change soon? All right, ma'am. Good-bye." ting" of classes shall be done in order to register. is expected that this regulation will overcome any tendency toward a rush on the first day.

Undoubtedly, the new plan has considerable merit. With proper co-operation from the student body, the unpleasant alternate waiting and confused haste may be overcome.

"The Slipstick"

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

THE SUN

The sun, you glorious orb of day, Ninety-four million miles away, Will keep revolving in its orbit Till heat and motion reabsorb it.

Appropriate

水 瞬 車

"What sort of tablet shall be erected over your grave when you are gone?" they asked of the man who had long suffered from stomach trouble.

"Well," said the cheerful patient, "I think a dyspepsia tablet would be as appropriate as any." Dollar Bill.

神 終 嫁

COURTESY

"Are you ill, Mike?"

"Nope."

"Why do you close your eyes?"

"I hate to see the ladies standing in this street car. Mack G.

The Co-ed realized, after viewing the marks the Tau Sigma to hope that the organi-been conferred upon Professors G other day, that naughts are only circles around zation would become national in F. Gebhadrt, P. C. Huntley, E. S. nothing.

Rembrant took a five dollar sheet of canvas, put a picture on it and made it worth \$50,000.

That's art.

Tennyson took a five cent sheet of paper, put poem on it and made it worth \$50,000.

That's literature. Andy Mellon took a fifty cent pile of silver, put a government stamp on it and made it worth \$1.

That's money. Stanley took penny stickers, put them in his show

case and sold them two for a nickel. That's business. John D. took a piece of paper, put his name on it

and made it worth \$5,000,000. That's capital. I took a check, put my signature on it and it wasn't

worth a plugged nickel. That's heck.

Define a Nut and Bolt

Here's what she wrote: "A bolt is a thing like a stick of hard metal, such as iron, with a square bunch at one end and a lot of scratching wound around the other. A nut is similar to the bolt only just the opposite being a hole in a chunk of iron sawed off short with wrinkles around the inside of the hole."

Prof (to student holding up his head): "What are you holding, Smith?"

Smith: "Nothing, sir."

Prof: "I thought so."

Don't Be a Goose

A teacher asked her class to write an essay on "Geese." This paper was turned in by an eight year

"Geese is a low, heavy-set bird which is almost all meat and feathers. His head sits on one end and he sits on the other. He ain't got no 'between-his-toes' and he's got a balloon in his stomach to keep him from sinking. Some geese when they get big have curls on their tails and is called 'Ganders.' Ganders don't haff to sit and hatch but just eat an' loaf and go swimming. If I were a goose I'd rather be a gander." Won Wo.

MATH SHARKS PLEASE NOTE

If a man can swim across a river containing H₀O (density-.999998) at the rate of 4.97 miles per hour, and the banks are lined with green trees at an angle of 45 degrees, how fast will the man grow in 5.6 years? What will be C's age? If so, what will be the velocity of the stream, provided the wind is blowing at an angle of X degrees with the sail? Give answer in Jaesmackse. radians.

"I'm going to be married."

"To whom?" "A student."

"Oh, dear me, I'm disappointed."

"So am I; but, then, a poor girl has to start somewhere."

CHECKING UP

One morning a negro sauntered into the office of a white friend.

"Good mawnin', Mr. Winthrow. Kin I use yo' phone "Why, certainly, Sam."

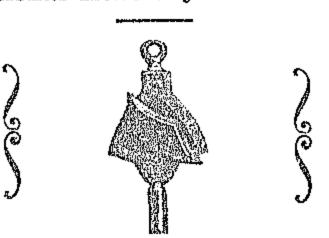
Sam called his number, and after a few minutes' wait, said, "Is dis Mrs. Whiteside? Weel, I seen in de

Mr. Winthrow called to Sam as he left the phone, "Now that's too bad, Sam, that the place is filled." "Oh, dat's all right, Mr. Withrow. I'se de nigga what's got de job, but I's jest a wantin' to check up."

Big dooin's in the gym next week, folks, don't miss Phil J. W. H. R. the show.

TAU SIGMA

National Honorary Mechanical



The founding of Pi Tau Sigma, national honorary mechanical engineering fraternity, took place March 16, 1915 at the University of Illinois. Its purpose is three-fold: to emphasize through its membership the high ideals of the mechanical engineering profession, to stimulate student interest in co-ordinate departmental activities in the welfare of its members.

The group of men who organized the fraternity had in mind that these ideals are best developed and preserved through fraternal association. The absence of such an association in the mechanical engineering department with the same ideals, which considers recognition of scholastic achievement or professional promise in the elec-

Sigma was established at the Uni- a faculty member. versity of Wisconsin, March 12, of name and coalition was effected, senburg '31. and since the two were founded at | Alpha chapters.

ters have been established at various institutions. In order of their installation are Purdue University, University of Minnesota, Armour Institute of Technology, University of Missouri, University of Cincinnati, Lehigh University, Penn State College, and Carnegie Institute of Technology.

basis of sound engineering ability, scholarship and personality, and are selected from the junior and program pretty well lined up. senior classes of the department of mechanical engineering. Those men who would have been eligible had Pi Tau Sigma been established earlier in the institutions now hav-

ing chapters may also be initiated. The emblem of the fraternity is a carnot cycle. The upper part suppledge button is also in the form The flower is the white rose. A publication is issued by the fraternity "The Condenser" by name and appears once a year.

was installed December 22, 1924. Since then sixty-two Armour men have become members of the fration of men, led the founders of Pi ternity. Honorary membership has Libby, J. C. Peebles, R. V. Perry The first realization of this hope and D. Roesch and upon Mr. E. E. was felt when a chapter of Pi Tau | Hartford. Professor A. W. Sear is

Men now active in Pi Tau Sigma 1916. An association whose pur- are: A. N. Cannon '32, H. R. Davis poses and aims were of a like char- 1'32, H. L. Fox '31, A. S. Hartanov '31, acter had been established there R. M. Krause '31, M. J. Lamka '31, under the name of Pi Delta Phi. C. T. Link '31, F. T. Munch '31, R. Because of this likeness the change | H. Stevenson '31 and F. F. Stras-

Members of Pi Tau Sigma are practically the same time both are especially active in the student branch of the American Society Since that time eight more chap- of Mechanical Engineers.

Inquiring Reporter

The Question: What do you think of the new plan whereby registra-

tion is spread over several days? Vernon Sandberg, M. E. '32.--I'm in favor of this plan because I believe that most of the students can Active members are chosen on a usually predict whether they will pass a certain subject or not and hence should be able to have their

Harry C. Rowe, E. E. '33 .- It looks like a step in the right direction and should relieve the congestion and seemingly endless standing in line which has been associated with this duty in the past.

Joseph W. Zronecik, M. E. '33 .--a watch key having the form of Everybody knows where he is weak and if a student is in doubt about ports a steel H-section and the some subject, he can register in universities and to promote the lower portion a flaming torch. The those that he is sure of, and let the doubtful ones hang fire until of a carnot cycle bearing the colors | he gets the grades. Last year's regof the fraternity, murrey and azure. istration emphasized the crying need for some redistribution of the registration and enrollment.

Prof. Maggard-It is an excellent idea for it enables the instructor to Armour Delta of Pi Tau Sigma have a more individual supervision of the program, thereby benefitting both student and teacher. A more intimate contact will be achieved, and with the advice of the instructor the program will be made out to their advantage.

Joseph Fernbach, E. E. '33.—It wasn't so bad last time. I came down rather early and was through in short order. Conditions could be improved, however, by some rearrangement such as the one proposed and pending.

Ralphs Barber Shop 117 E. 35th Street Prompt, Courteous Service NO WAITING

MODERN STEPPING



Nothing small about this work

Reaching out to the far corners of the earth for raw materials of telephone apparatus, is a Western Electric function in the Bell System.

To assure adequate sources of supply, men engaged in this work of mass purchasing continually search the entire globe. To buy wisely, they study all factors affecting prices - economic and labor conditions, transportation facilities, freight rates—on a world-wide scale. Each year their purchases, worth many millions of dollars, include such diverse products as platinum from Russia, mica from India, asphalt from Venezuela, flax from Belgium and France.

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SYSTEM



INTER-CONNECTING TELEPHONES A NATION-WIDE SYSTEM

Final Examinations First Semester, 1930-1931

Saturday, January 31 8:30-10:20

	Leigh	anics (Arch.)	Applied Mechan
Į	Mangold	echanics II	Engineering Med
	-12:20	10:30-	THE THEOLING TWO
	Wilcox		
	Colvert	,	Physics I
on	Thompso		
	Doubt	· - * - * B B B B R R V T T T T T T T T T T T T T T T T T	Physics II
	Foster		-
·	Seegrist	ometry	Descriptive George
	Sear	•	0.00-1,00-1
a	Freeman	Engineering	Economics of En
	Thompso Doubt Foster Seegrist Sear	ometry	Physics II Descriptive Georg

Mech. of Materials and Graphics...Paul

Gymnasium

Gymnasium

Physics 1	Corvert	Gymnasium
	Thompson	
Physics II	.Doubt	Room D, Mis.
	Foster	Draft. Room,
Descriptive Geometry	.Seegrist	5th Floor,
•	Sear	Main Bldg.
Economics of Engineering	.Freeman	Elect. Lect. Room
Monday, Febr	uary 2	
8:30-10:2	20	
College Algebra	·Wath.	Gymnasium
Review Alegbra		
775 1 1 0 70 / 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Doubt	Room D,
Precision of Measurements	.Coivert	Mission
\	Thompson	MITODIVII
10:30-12:		
Calculus I	Math.	Gymnasium
Calculus II	Instructors	3
That Derror Engineering	Gobbardt	A, Mach. Hall
Heat Power Engineering		El. Lec. Room
A. C. Machinery	.rreeman	
Water Supply Engineering		Room C, Mis.
1:10-3:0		
Plane Trigonometry		Crmnagium
Applications of Trigonometry	. instructor	Ti I as Daam
Elements of Electrical Eng.		Ei. Lec. Room
Organic Chemistry Ch.E. 13		17% 17%
Organic Chemistry Ch.E. 17	Freud	Room D,
Organic Chemistry Ch.E. 20		Mission
Machine Design (Jr. E.E.)	Swineford	
	Winston	Mission
3:10-5:0		O
Engineering Mechanics I	Leigh	Gymnasium
	Mangold	TILT - Decree
Electric Power Plants		El. Lec. Room
Physics (Arch.)	Colvert	Room C, Mis.
Graphics Problems	Grafton	Draft. Room Mission Bldg.
Elem. of Heat Power Engineering. (Senior C.E. & Junior F.P.E.)	.Winston	Room D, Mis.
Physical Chemistry	Freud	Room B, Mis.
· · · · · · · · · · · · · · · · · · ·		
Tuesday. Feb	ruary 5	

luesday, redruary o

8:30-10	1:20	
المدايا والانتفاذ كالمراجعة والمنافزة والمنافز	Hibbals	Symptomical data - Labi - 2
Qualitative Chemistry		Gymnasium
General Chemistry		•
	Schommer	
Elementary Thermodynamics	Nachman	El. Lec. Roon
Change in Thomas Changer	XXX TIG	Room C

Lec. Room Room C, Stresses in Framed Structures...... Wells Misson Heald Chemical EngineeringMcCormack Room B, Mis. (Junior Ch. E.)

10:30-12:20 Railway and Highway Location.....Grafton

Draft. Room Mission Chemical Engineering......McCormack Room B, Mis.

(Senior Ch. E.)

1:10-3:00 Experimental EngineeringLab. (Jr. M.E., Sr. F.P.E., Jr. C.E.) InstructorsGymnasium (PLEASE REPORT ALL CONFLICTS TO THE OFFICE OF THE DEANS IMMEDIATELY)

Mysterious Knocking

thought that their end had come. small hole in the bottom side of Last week, upon proceeding into the tank, therefore, the mystery. the Hydraulic Lab, a mysterious The cleaning and painting of the knocking was heard. Diligent tanks and cistern are the finishing searching by the prospective touches to the Underwriters' Lab. plumbers revealed nothing, al-spring housecleaning. The walls though it was decided that the and all of the pipes, spare and noise was coming from the pressure used, motors, railings, etc. have all tanks located at the east end of the lab, though the tanks appeared to be closed and filled as Fire Protects will at least start out usual.

On inquiry, the reason for the knocking was found to be that the Gives Fireos a Scare tanks were being cleaned and painted on the inside. The work-The imaginative Fire Protects men had had to crawl through a

clean.

Try the New Barber Shop

MOTORIST'S ASSN. CLUB

Thirty-third and Michigan J. Edelsteen, Mgr.

Student Lunches The Motorists Cafe Michigan Ave. at 33rd

Arx News

There is a Santa Claus even it Christmas is passed. Earl Kubicek will be confined to his domestic environs for the next seven weeks with the scarlet fever. Let's not think of this in terms of Santa, for that is not what was meant, but in his absence from school we find the true spirit of Santa existing. Earl had a problem very near completion, and it was due this week. What was to happen may still be a question to Earl, but to us that are still at school, the problem is solved. Half the teaching force of the Architectural department combined their efforts on a terrific cherette. (If you don't know what that means, just ask an Architect, for they know just about everything.) If there was any question about the results of a local judgment there should certainly be none now, unless the jury came to blows to determine who did the most work on the problem. At any rate the coloring of the plate Reed, Jr., head of the Department should be perfect under the directorship of our walking water-color January issue of "Architecture." box, Prof. McCaughey.

Exhibitions on Display

chitect should be interested to see tecture. the work done by the commercial artist that draws the advertisements for Ford Motor Car Co., as Telephone Company well as many other advertisements. These drawings now on exhibit are the original drawings for the periodical ads. The mechanical drawing is perfection personified, pany has been working to improve for the engineer, while the colors its telephone system at the Instiare the personification of perfectute. The telephone system contion for the architects. By the way, necting the buildings is being when you are noticing those draw-modernized, new wires, insulators ings don't slight the exhibition of and apparatus being installed. Henri de Toulouse Lautrec. (Again, Among other things, there is an I say, if you don't know who he is, underground cable between the ask any Architect.) And what's Mission and the Main Building.

more, when I am on the subject of exhibitions let me make a passing remark about the new ornamental metal exhibit. You do not have to be artistically inclined, as all architects are, to enjoy this.

Problem Being Prepared

At present, we find Al De Long and Tom Carter working on a collaborative problem which is a competition for the American Academy at Rome. The Art school downstairs has provided two artists, and a sculpturess, to work with these two boys on the problem. There should be two sculpturesses, so Emil Minx is taking the place of the other one. A nice little sculpturess he makes, too. The problem is an entrance to an office building, and Long is doing well in spite of havbeautiful little artist boy on his fraternity house.

Reed Writes Article

An article by Professor Earl H. of Architecture, appears in the

The article is a treatment of interior design, undertaken in the light of what some authorities con-Any engineer as well as any ar-sider a constant change in archi-

Replaces Equipment

The Illinois Bell Telephone Com-

THETA XI

A dance was held at the chapter house last Saturday evening. Several alumni and guests were in attendance besides the active mem-

The officers of the chapter for Art is an Indiana Delt. the coming semester are: President, Richard H. Smethells; Secretary, Richard J. Mulroney; Treasurer. Wilbur E. Bauman; Steward, school next semester. George R. Belton; House Manager, William D. Jackson.

TRIANGLE

Jack Markman will return to enin a week or so we will present for ter the Institute as a second your approval two very modernistic semester freshman in the Chemical solutions to this problem. Al De Engineering course. Jack, who is now living at Appleton, Wisconsin, ing Emil as his sculpturess, and a will make his Chicago home at the

> Plans for a Radio Dance on Wednesday, February 4, have been completed, and until then the brothers will be busy writing

BETA PSI

The alumni were guests at a smoker held Friday, January 23. Smokes, talks, and refreshments 77 E. 35 m. Sr. AT MICHIGAN AVE.

completed the evening's entertain-

ment. Harley Mullins, '30, of the Michigan Inspection Bureau, dropped in last week to inform us that everything is O. K. up in Michigan.

DELTA TAU DELTA

Art Dial, the traveling salesman, was back for a few days last week.

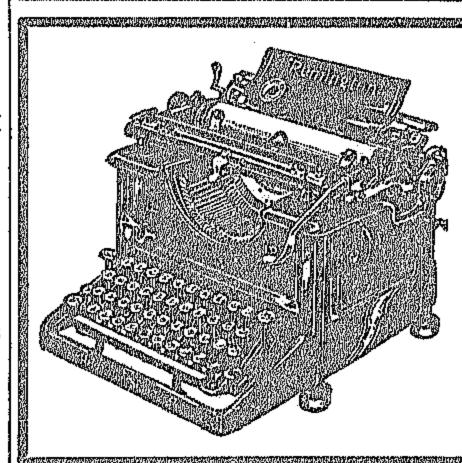
Paul Malm and George Bills have been heard from recently. They are both preparing to return to

Changes in the route of the Pacific Great Eastern railway will be founded on an aerial survey.

Clashes between students and police in New Haven, Conn., growing out of the annual Yale freshmen celebration, resulted in 15 arrests and injuries to a score of students and policemen.

Everything comes to him who waits-but what if he starves to death—while he's waiting?





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North End of Ogden Field

WHEATON SQUAD SUFFERS DEFEAT AT HANDS OF TECH SCORE OF 35-23

Captain Robin Gathers 17 Points to Gain Single Game Scoring Record

TO PLAY WESTERN STATE NORMAL NEXT

Armour and Wheaton College in meet Western State Normal at merous lawyers and judges. their second struggle of the season, Kalamazoo and St. Mary's College last Thursday. Armour displayed of Orchard Lake. a complete reversal of form to emerge triumphant 35-23 in a year and conquerors of Armour pacity. Even though the event took game that was marked with nu- once during the ensuing season, place on hostile grounds, there merous fouls.

difficulty in scoring baskets when- quintet, will not be easy to attain. bouts were fiercely contested ever they sought to increase the Their last meet at the Armory refigures on the scoreboard. Captain | sulted in a 38-30 defeat for Armour. | maining in doubt until after the Robin's contribution of 17 points, Our men, however, made a brilliant last fight. was a feature of the game and incidently gave him the distinction of being the record holder in scoring during any one game.

Wheaton Leads at Start

Baskets by Rossing, Ott, Omiecinski and Moskowitz further aided victory. Wheaton received a free throw in the first minute of play which gave them the opportunity to make the first score. They scored another basket shortly after to enjoy a 3-0 lead.

scoring attack by sinking two baskets in succession, placing Armour ahead 4-3. After Robin aroused our men with his four points, Wheaton commenced to feel their sting and declined rapidly. Rossing, Rutkowski and Omiecinski sank baskets to give Armour a 10-4 lead.

Lead Changes Continually

Just before the first quarter ended, Wheaton retaliated by scoring enough baskets to tie the score at 10. The remainder of the first half found both teams in a nip and tuck affair. Each scored consistently with the lead exchanging hands several times. Before the half ended, Robin and Ott located the hoop to place Armour ahead 17-14.

The results of the first period of play made things appear as though Armour would not hold out very long. Wheaton's performance was a duplicate of their feat when they met Armour in the first game.

Tech Outclasses Wheaton

however, was decidedly changed. cent rumors have it that the Culver Armour completely outclassed team was reenforced considerably Wheaton with their shots, floor-|last September and they should be work and stellar defensive work. able to make a fairly good showing The yelling and cheering crowd against Armour. subsided as Armour steadily increased their margin.

Armour scored seven points in the first five minutes of play in the second period and enjoyed a ten point margin before ten minutes of the time expired.

Coach Krafft feeling confident that victory was inevitable began to change his line-up giving all of his men a chance to enter into competition.

BOX SCORE Armour-35

B.	Ft.	P
Robin, f 8	1	•
Rossing, f 2	1	:
Setterburg, f 0	0	
Beemsterboer, c 0	1	,
Ott, f 2	3	
Omiecinski, g 1	0	
Yuknis, g 0	0	
O'Connor, g 0	_	
Rutkowski, g 0		
Lind, f 0		
Moskowitz, g 1	_	
	**************************************	-
14	. 7	2
Wheaton—23		
E	. Ft.	,
Tilman, f 2	3 4	
Palmer, f 1		
Starachan, f		
Phillips, f	_	
Bass, c		
Claus, g	 -	
	0 0	
	9 0	

and Armour's basketball team will ver will follow.

will be met on February 7. Victory | were as many Armour enthusiasts The Krafftsmen experienced no over this powerful, high scoring as there were rival supporters. The showing and evidenced that they are capable of providing the punch that can reverse the outcome in the second meet.

Renew Activities with St. Mary's

Wheaton College, has enlivened in the next edition. One thing Armour in attaining this decisive our men to a noticeable extent. It which surprised the Armour connow appears as though a second testants who are accustomed to consecutive victory is highly prob- fighting both their opponents and able, although the task may resolve the judges, was the absolute fairitself to be a difficult one.

The game with St. Mary's College will renew relations with that Captain Robin then opened his team for the first time in years. Just how St. Mary's rank in the 126. basketball sport is an unknown factor. Coach Krafft is merely 138. staking his team's strength against the strength of another, hoping that the result of the contest is a victory for Armour over a good team.

Mermen Practice for Coming Meets

The swimming meet with Crane College will be held either the first or the second week of school_during the new semester. This was the conclusion reached by the Crane manager and Davidson, the Armour manager, after a short conference last week.

During one of those same days the Culver Military Academy meet will be held. This will necessarily have to be done on a Saturday since it will mean an all day trip The game in the second half, for the Tech water churners. Re-

Mermen Bettering Times

Of interest is Jack Cavanagh's recent star performances during practice. Jack has been hitting it up in the 100 yard breast-stroke lately, doing 1:13.2 several times. Captain Eddie Knox of sprint fame has been working out during the past month with his team-mate Eddie Byanskas.

For the benefit of any students who have some swimming ability and who would like to have a berth on the squad it may be said it is not too late yet. A talk with Knox and some practice at the U. of C. any afternoon will fix things up. As with any team, the man most fit gets the consideration.

Meet Scheduled With Bloomington

Manager Davidson, of the swimming team reports that two meets with the Illinois Wesleyan College have been arranged. The first of these will be held Saturday, February 7th in the Wesleyan pool at Bloomington. A return meet is contemplated at the University of P. Chicago pool on Saturday, February

This will be the first time in many years that Armour has competed against the Wesleyan school. By having the Armour boys. travel down to Bloomington on 0 February 7th no interference with 4 the final examinations will be en-- countered. This will be the first 6 11 14 travel meet this year for the Tech Coach Krafft, Manager Erland swimmers, another one with Cul-

Tech Pugs Fill Hall to Capacity

tinguished audience last Monday, and Loyola. His time was 2:05. when they clashed with the Headtion. In addition to many high well known personages as Anton counted. J. Cermak, president of the County Board and present Democratic Five hundred Wheaton fans invade the state of Michigan in the candidate for Mayor; Michael Igoe packed the Wheaton gym to view final exam week, where they will of the State Legislature, and nu-

That the fame of our fighters has spread far, was shown by the Western State, undefeated last fact that the hall was filled to cathroughout with the final score re-

Decisions Are Fair and Square

The final figures were Headquarters Regiment 31/2; Armour 21/2. At the time of writing of this article a return meet is being fought, the Armour's recent victory over results of which will be published ness of the decisions. The results of the meet are as follows:

Montesano, 112, lost to Oliva, 115. Sandstrom, 124, stopped Deagan,

Krutchten, 137, lost to Searing,

Melevsky, 140, lost to Eshoo, 138. Heckmiller, 156, defeated Freitsch. 156. Campioni and McDermott, 156,

drew.

School Tournament Soon

ifested itself in school boxing will be given out later.

Nelson and Fox Win Places in Track Weet

G. A. Nelson, freshman star, won first place in the 880 yd. run last Armour Tech boxers displayed Friday night in the dual meet betheir wares before a highly dis- tween the University of Chicago

Captain H. L. Fox took second quarters Regiment squad. Many place in the 440 yd. dash with a noted persons in and about Chi-time of 55.0. Nelson also tied for cago were guests at the fights third place in the high jump at which climaxed an officers recep- 5 feet 6 inches. Tech runners were invited to partake in the meet, the military officials, there were such places scored, however, not being

> tournaments, held at most of the large colleges in the country. It the most gratifying performance courage.

Coach Weisman has announced throw. his intention to sponsor a similar launched soon after the mid-year on foreign soil. exams. Every student who is physically able to do so should participate in this tournament which will determine winners in each of 7 classes.

All Men Urged to Compete

from such a participation will far eree called 14 fouls on them. exceed the effort. Those who show ability will naturally become potencompete. These bouts will be held held. in our home ring at such hours as will not conflict with the student's studies.

urged to sign their names on the interclass meet on February 7, at | meet. sheet posted on the bulletin board, 2:30 P. M. In this competition the together with their approximate team is to be divided into classes tributed to the members of the weights. It is of course advisable with points scored as three for team. These are entirely black to begin some sort of preparatory first, two for second and one for training. Coach Weisman extends third. an invitation to all those who wish to practice with the varsity squad on Mondays and Fridays at 5 P. M. They may avail themselves of the equipment and will receive instruc-The interest in Collegiate boxing tions and advice from Coach Weisis increasing rapidly and has man- man. More definite information

SHORTS A.H.J.

Tech Won

In the game played with Wheaton last Thursday, Tech illustrated the proper method of playing basketball-we mean the correct method in that Armour was the victor by a 35-23 score. Perhaps is a manly sport and builds up of the contest was the work of both the body and the personal Captain Robin, who totaled 17 points with 8 baskets and one free

We understand that this is the event at Armour. The plan has met | first game that the varsity has won with the hearty approval of Prof. | away from Chicago in the past two Schommer and will undoubtedly years. Let's hope it won't take prove a huge success. It will be quite so long to win another game

> Eleven Up—Eleven Down Coach Krafft used a football

line-up of 11 men to meet the Wheaton ministers. This was necessary for 21 fouls were called against Tech. Wheaton too, was The individual benefit derived penalized frequently when the ref-

will be thrown into the discard is to receive individual medals. tial candidates for the team as var- | during the next two weeks when | Place winners are to receive blue, sity boxers will not be eligible to the final examinations are to be red and white ribbons.

Interclass Meet

The first meet to be held where all the candidates for the varsity Those who are interested are track team are to compete is the

Inter-Class Champs Awarded With Medals

The medals for the champions of the inter-class sports are being given out now. Both the basketball and the baseball contests were won by the freshman class. The men receiving them for basketball

H. J. Moskowitz,

D. L. Jacobson,

F. J. Yuknis,

L. G. Rummel, F. Henke,

H. Goldman,

A. E. Christoph, The men awarded for baseball

G. M. Reed.

A. G. Hutman,

H. J. Moskowitz,

R. J. Lodeski,

F. J. Yuknis, T. R. Omiecinski,

V. Omiecinski,

F. Henke, S. M. Lillis,

J. C. Costanes, R. A. White.

Ribbons and Wedals

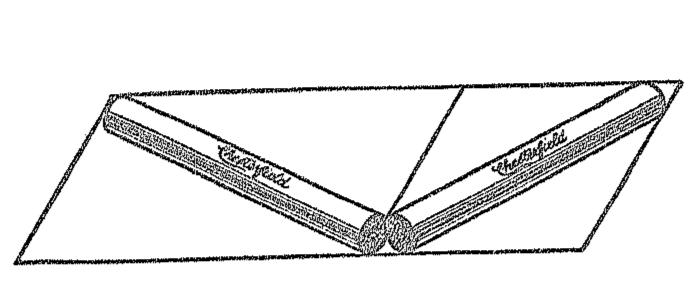
Last year medals were given to first place winners with the winning class taking the honor as Champions of Armour Tech. To Basketball, in fact all athletics vary this, the winning team in '31

> Some of the lads have been making very good times in the trials that have been run. Manager Fred Munch tells us that he expects a | record turnout for the interclass

New sweat suits have been disletters signifying with yellow Armour Tech.

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