



Hold Election of Officers for New Branch of Society

Faculty Members to be Honored Guests

An important meeting of the Armour Branch of the Society for the Advancement of Management is planned for Wednesday, Feb. 22, at 12:20 in the Physics Lecture room. As it will be for the purpose of forming the policies and committees, it is extremely important that both the active members and all students interested in the society attend.

Last Thursday evening, the organization had an interesting meeting. After supper in the north dining hall of the Student Union the group adjourned to the west meeting room, where officers for the remainder of the semester were elected. Tom Collier was unanimously awarded the position of president; Irving Footlik, vice president; John Barale, secretary; and Bernard Oswald, treasurer.

Fallacies Explained

After the officers were elected Professor H. P. Dutton spoke on "The Relation of the Personnel Department to Modern Industry." In this talk Mr. Dutton pointed out the popular fallacy of believing that higher wages will increase business production and thereby decrease unemployment. The trend should be in the opposite direction Professor Dutton said. He proved his point by citing that the cardinal reason for losing our arms market to Germany and our cotton market to England was the high wages imposed upon the finished product. Because of the decline in foreign trade, American production decreased and relief rolls increased. If the high wages are to continue, there is little hope for immediate recovery. The wage trend, according to Professor Dutton, will be definitely downward.

Enrollment Peak Passed

Mr. Dutton also pointed out that the maximum student enrollment has been reached. At present there are many vacant seats in the grammar schools indicating that the enrollment peak has passed. This, Professor Dutton said, was reason enough for Armour Institute not to expand. Because of sickness Mr. Mason Smith, the Personnel Manager of Marshall Fields, was not able to present his talk on personnel problems.

Mechs Feature Student Speaker

Student speakers are to be featured in a new series of A.S.M.E. meetings starting this Friday at 10:30 in Science Hall. Bernard Oswald, M.E. '39, will be the first speaker and will start the series of three discussions on steam plant engineering. His talk is entitled "Modern Boilers" and will be illustrated with moving pictures. All types of modern boilers will be discussed in regard to methods of operation, efficiency, adaptability, and the various other elements pertaining to the proper selection of a boiler unit.

The material of this lecture will be augmented in the following two meetings by "Modern Stokers" and "Pulverized Fuels." The material for these three lectures is being furnished by the Combustion Engineering Corporation, New York, manufacturers of boilers, stokers, and other steam equipment.

This semester, the greater portion of the A.S.M.E. meetings will be devoted to speeches by student speakers in the anticipation of selecting a student to represent Armour Institute at the A.S.M.E. convention to be held at Lewis Institute, Chicago, this spring.

Officers of the A.S.M.E. have also announced that an inspection trip through the south-eastern Chicago industrial area is being planned for some time early in March. These plans have not been completed as yet, but full particulars will be made known in the near future.

Frosh Course Introduces New Chem Analysis

Keeping abreast with new teaching methods, Armour Tech has introduced a new system of analytical chemical analysis for second semester freshmen. The course is called semi-micro analytical analysis and is a cross between the two widely known systems, micro-analysis and macro-analysis.

Micro-analysis is the detection of the different elements in unknown compounds using very small apparatus and extremely sensitive balances. It involves extraordinarily careful and accurate laboratory methods in order to obtain good results.

Work at schools which give such a quantitative course is usually carried on in the very early hours of the morning. This is to prevent vibration of passing motor cars and other vehicles from disturbing the balances while materials are being weighed. The microscope is an important part of this work and is used in detecting slight changes in color and molecular structure of materials during chemical reactions. A centrifuge is used for precipitation of ions. The centrifuge resembles a small hand operated grindstone. It contains two or more small, tapered containers in which the tubes of materials are placed. When put in motion, the containers revolve at tremendous speed, the particles of precipitate rapidly being forced to the bottom of the tube.

Macro-analysis, formerly taught at Armour, accomplishes the same purpose that micro-analysis does, but requires different methods. Apparatus twenty times bigger and much larger quantities of materials are

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Introduce Mies van der Rohe At Arch Dinner

Professor Ludwig Mies van der Rohe, Armour's new director of the Architectural Department, is to be presented to Armour Architectural Alumni at the All Architectural Banquet to be held at 6 o'clock Friday evening, February 24, 1939, in the Union dining hall.

President Heald will preside and present Professor van der Rohe and his associates, Professors Hilberseimer, Peterhans, and Rodgers. Other architectural faculty members present will be Professors Dornbush, Mell, Harper and Krehbiel. The purpose of the banquet is to acquaint former students with the new principles and program of architectural education founded by Professor van der Rohe.

An exhibit of some of the work of the new director, which appeared recently in the galleries of the Art Institute, will be set up in the lounge of the Union. It is composed of enlarged photographs of his most famous works, including his famous German Pavillion, housing projects, early modern skyscrapers, and scale models of small and large houses executed with the finest detail and care.

This banquet is expected to rival the very impressive banquet at the Palmer House last fall in honor of the new director.

Professor van der Rohe is considered to be the most eminent professor of architecture in the world and is known as a famous architect in Europe. His associate, Professor Hilberseimer, is an authority on city planning in Europe; Professor Peterhans is an authority on photography; and Professor Rodgers is a well known American architect.

Scarab Fraternity with the cooperation of the entire architectural student body, is sponsoring this banquet, which President A. M. Richardson of the fraternity promises will be an occasion interesting to former and present students of the architectural department.

Dean Tibbals Will Attend College Personnel Meeting

Dean Tibbals leaves today to attend the meeting of the American College Personnel Association, which will convene tomorrow and continue through Friday. This association is made up of deans from American colleges as well as a number of private instructors and is concerned with problems relating to school personnel.

One phase of this year's convention will be a discussion of the use of educational tests such as those conducted by Professor Krathwohl here at Armour. Other topics of interest to the assembled members will be discussed at the meeting.

Choice of Menus To Be Offered at The Junior Formal

When the Juniors lift the curtain on their formal, March 10, there will be an abundance of excellent food, good music and gaiety. Chairman Don Charlton has completed arrangements for the eight-course dinner which offers the famous cuisine of the Congress Hotel. The menu selected is:

Supreme of Shrimp and Crabmeat Cocktail
Celery—Radishes—Olives
Consomme Cultivateur
Unjointed (half) Fried Chicken
or
Broiled Lake Trout Maitre d' Hotel
Buttered String Beans
Au Gratin Potatoes
Florida Salad—French Dressing
Ice Cream Pie
(Raspberry and Pistachio)
Petite Fours and Candies
Coffee—Tea—Milk

Dinner will be served from ten thirty on, so that a choice of main courses may be made after midnight if desired. Dancing beginning at nine thirty, will continue through the serving of the dinner and will last until one thirty. The sweet music of Griff Williams added to the tasty food of the Casino service, offers a combination that will make this year's formal the real highlight of Armour's social calendar.

Included among the guests of honor will be President and Mrs. H. T. Heald, Mr. and Mrs. G. S. Allison, and Dean C. A. Tibbals. Special tables will be arranged for party groups, and may be reserved as soon as the bids are purchased. The bids are \$5.50 and cover the cost of dinner and dancing.

Invitations are now in the hands of the social committee consisting of Don Charlton, chairman, Jack Clark, Ernest Mandel, and Gene Worcester. They may be purchased from any of these men or from the class social chairman. Don Charlton will be in the lounge of the Student Union at one o'clock every day except Wednesday, and may be contacted for bids or arrangements concerning formal dress.

The Secret of the Dead Rat, or From Where Is the Smell Coming? Phew!

By ART HANSEN

Great and spontaneous activity has beset the maintenance department of the school during the past week. Perhaps you too, dear student, have noticed this activity, the hustle and bustle in the main lobby of our hallowed halls. The grim facts must now be divulged. There's a rat in the school! Yes, we know that sometimes you call your dear fellow classmates just that, but this rat (or rats) is a true member of the rodent family of either M. Norvegicus or M. Alexandrinus, or perhaps even M. Decumanus or M. Rattus.

At last reports, the maintenance staff was still busily tearing out the walls in said lobby of Main with the undying determination to find "Brother Rat" who was either dead or dying. The casual observer, on close observation, could notice one professor after another holding his nose as he hurried past "the spot."

Munitions, Inc. was overjoyed when the tense 'phone call came in to the order desk: "Fifteen hundred of your best gas masks, capable of offstanding

Offer Two New Physics Courses

In an effort to bridge the gap between sophomore and graduate physics, the physics department has announced a new intermediate course in the theory of wave motion sound, and light. This particular course is one in a proposed sequence of five courses, the scope of which includes a further study of the main subjects considered in sophomore physics. In addition to these topics, the course as a whole investigates such advanced subject matter as rockets, planetary motion, vectorial analysis, and the application of mathematics to physical theory.

First in the series is physical mechanics, which presupposes a knowledge of differential and integral calculus and engineering mechanics.

Potter Is Instructor

Mr. J. G. Potter, who conducted the intermediate course in physical mechanics during the past semester, is conducting the course in wave motion sound, and light. He stated that his class last semester was limited to a few students because of program difficulties, the few die-hards who took the course turning up at 7:30 a.m. in order to fit it into their programs. By giving advance notice of the classes, and by proper adjustment of the hours, the department will make it possible for every student desiring to take the courses to do so.

Another new course offered by the physics department is being conducted by Mr. S. J. Black. This is a non-credit course in physics laboratory theory and technique. The purpose of this class is to instruct the students in the use of instruments, in the interest of improving the quality of their experiments, the course including the theory of precision, limits of accuracy, and other related subjects.

It is expected that this class will result in more accurate experiments, for the instructors have noticed that careless, incorrect work is due, in many cases to the students' spending too much valuable time on learning the intricacies of the apparatus.

Dance Held in Student Union by Faculty Wives

Bright lights, gay music, and charming ladies heralded the first collective dance sponsored by the Faculty Wives Club last Saturday evening. Mrs. Swineford, hostess, directed the functions of the gay affair. The dance was preceded by a dinner served in the main dining room of the Student Union.

Although functioning quietly the club has been active in the Institute for over two years. The completion of the new quarters in the Student Union affords unusual opportunities for social affairs and the members are enthusiastically planning future parties.

Musical Clubs Present Annual Concert at Goodman Theater

Dance Club Opens Coed Date Bureau

Tomorrow, during the regular meeting of the dance club, the members will make arrangements through the dating bureau for dates for the dance to be held February 24.

On February 15, the dating bureau committee was elected. The committee is composed of the executive body, with Albert Kunickis, chairman, and James Duncan and Charles McAleer, assistants.

This bureau is to be open to all members of the dance club, and a card index of all girls expressing a desire to attend Armour functions is on file. These cards contain information as to whether the girl is tall, short, blonde, or brunette, and as to the type of partner she prefers.

By becoming a member of the club at the meeting tomorrow in the West Room of the Student Union at 5:15 p.m. one may obtain a membership card which will admit him to the social and provide him with a date.

Students Requested to Fill in Questionnaire

Leading all other groups in returning the questionnaires enclosed in their grade envelopes, the seniors have a total of twenty-five percent returned. The results from the other groups are:

Junior Class	18%
Sophomore Class	16%
Freshman Class	13%
Arch.	24%
Ch. E.	16%
C. E.	23%
E. E.	18%
Sci.	31%
P.P.E.	21%
M. E.	15%

These questions are part of a survey being made by a member of the registrar's office staff in an effort to determine how the average student at Armour spends his time. There is no reason why a one hundred percent return should not be obtained since the blanks require only a minutes' time and need not be signed. Last week was the second week since the sheets were sent out and it's high time for some real results—how about it fellows?

Propose Organization of Debating Team at Armour

Armour Institute is to be represented by a debating team in the very near future, according to a recent announcement by the English department. Merrill G. Christopher and Walter B. Fulghum have been approached by many students in the last few weeks and have given their approval to the formation of a debating organization.

Many colleges close to Chicago have debating teams and are in competition with each other throughout the year, therefore locating teams to compete with should not be a difficult task.

Debating activities will give an opportunity for the use of logical argument and scientific method as taught in the present sophomore English courses. Tentative plans have been made for the formation of two teams, if the interest shown is large. This will enable the members to engage in intra-school competition.

Prospective debaters are to meet for the purpose of organization this Friday at 10:30 in room 2E of the Student Union.

Numerous Soloists To Highlight Program

Before the curtain rises on the fourth annual Goodman Theater concert of the musical clubs, to be given Thursday evening, February 23, at 8:30, the audience will be thrilled by the tumultuous strains of Bergh's great classic, *Honor and Glory*, played by an unseen orchestra.

As in the past, the program will be punctuated by the performance of several soloists. Several of these soloists will be from the orchestra and the rest are members of the glee club; all are the ultimate of Armour perfection.

The soloists are: W. H. Mashinter, violinist, who will render Rimsky-Korsakow's *Chanson Indoue*; J. D. Charlton, trombonist, who will solo in *Ave Maria*; P. H. Woods, oboe, who plays *Pale Moon*; Harold Doolittle, trumpet, who will play *Elsa's Dream*; G. E. Danforth, piano, who will offer his rendition of *Malaguena*; and T. W. Yeakle, baritone, who will sing *The Red Man's Death Chant*.

Play to Packed House

It has been the ambition of the musical clubs since the first Goodman Theater to pack the house, and from all reports it looks as if this ambition is about to be realized. Practically every ticket in the house has been sold, and a last minute drive is going on to have a complete sellout.

This year the program will be entirely different from those of previous years. The program will be: Overture "Zampa".....Herold Orchestra

Creation HymnBeethoven
Silent StringsBantock
The TrumpeterDick Glee Club
Agnus DeiBizet
Elsa's DreamWagner
Intermezzo from "Jewels of the Madonna"Wolf-Ferari Orchestra

The Open RoadMallette
Hymn to the Night.Campbell-Tipton
Finale from Overture
"1812"Tschaikowsky
Glee Club and Orchestra
Intermission

InvictusHahn
Kentucky BabeGeible
Redman's Death Chant.....Bliss
Glee Club

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Robert Jaffee Wins Tau Beta Pi Contest

Robert Jaffee, former managing editor of the *Armour Tech News*, was chosen winner of the Tau Beta Pi pledge essay contest. Mr. Jaffee's story on "A Philosophy of Life" was awarded the \$5.00 prize, and is now in competition with the winners of the other chapters. In March the National Council will select the best essay and announce the winner of the \$50.00 prize.

When complimented upon his good fortune Bob said, "Oh . . . I won five bucks, but it's all gone now."

At a meeting last Thursday, the by-laws of the Armour chapter were passed and approved, and the announcement that pledging will begin within the next two weeks was made.

In 1855, at Lehigh University, the first chapter of Tau Beta Pi was born, its purpose being to mark in a fitting manner those who have conferred honor upon their Alma Mater by distinguished scholarship and exemplary character as undergraduates of engineering and to foster a spirit of liberal culture in the engineering colleges of America.

Established in 1906, the Illinois Beta chapter of Tau Beta Pi is the oldest honor organization at Armour. Membership in this organization is limited to the upper eighth of the junior class, and the upper quarter of the senior class. At present there are fourteen student members—all of whom are seniors—and thirty faculty members.