



SIDELINES

By S. M. Miner
DURING THE PAST WEEK, interesting developments in affairs of national interest have been many and varied. In light of this fact, your writer shall presume to touch lightly upon several outstanding, or interest catching, events.

For the fourth time in the history of the United States the Senate has impeached a federal judge. Only twelve times has the Senate sat as a court of impeachment, one additional indictment having been dropped. Yet with all the dignity and importance of such an action, it is alarming to note that the "serene and broad-minded" Senate could not throw off its partisan yoke, and as a consequence, former Judge H. L. Ritter (Rep.) of Florida was impeached by a solid Democratic vote, only five Republican senators being willing to find him guilty. A further point of note in this case is the fact that Ritter was acquitted on all of six different technical charges brought against him in connection with fraud and corruption, and was only convicted on the seventh charge, that of general misbehavior and the bringing of scandal and disrepute upon his court.

AGAIN THE SENATE Lobby Investigating Committee, headed by Hugo L. Black, comes to the front. In spite of a definite rebuke in the form of the Senate's refusal to appropriate funds, the work of the committee seems to be progressing at a rapid pace. While some of the actions of the committee are questionable, certain of its findings are worth looking into. For example: the "grass-roots conventions", hailed as "expressions of American Democratic traditions," were found to have been supported by such disinterested parties as John J. Raskob, Pierre and Lammont DuPont, and Alfred P. Sloan. Similar connections have been found to exist with the American Liberty League and the Farmer's Independence Council of America.

IT WILL BE INTERESTING to watch the campaigns of the two leading parties for the presidential office, particularly in light of information given out by Dan Hastings, "Washington representative" for the
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Job-Seeking Course Proposed to Juniors

Last Thursday, Mr. John Millar of the Millar Publishing Company spoke to members of the junior class commission about establishing a course in job seeking. Briefly, the course, as outlined to the juniors, would be held one hour each week during both semesters of the senior year; its object being to apply system and science in assisting the seniors in finding work.

The first semester would include personal analysis of industrial concerns and each student would be requested to make special analysis of one company. Special attention would be given to new industries and new jobs. The second semester would be similar to a course under Mr. Millar at Grinnell College, Iowa, which proved successful this spring.

"Seniors were systematically brought into contact with potential employers, were assisted in self-analysis and were counselled on the problem of how to apply for jobs and how to effectively 'sell themselves.' Alumni were contacted and asked to assist and speakers who were invited were interviewed and entertained by the students. Invitations to week end conferences were made through the president's office."

Members of the junior commission were asked to prepare a report in the subject and present it to the administration.

A.T.S.A. Election to Be Held Soon

Election of officers for the A.T.S.A. for the year 1936-37 was tentatively announced by present officers for the first week following Junior Week. Offices to be filled are those of first vice president, second vice president, and secretary. Eugene Heike automatically becomes the first president of the newly formed A. T. S. A., having been first vice president of the A. T. A. A. for the past year.

Those nominated last week by the nominating committee are: For vice president: H. J. Bodnar, C. W. Dunbar, and J. D. Sheehan. For the position of second vice president the nominees are: J. F. Bartusek, W. A. Chapin, and S. M. Miner. The nominations for secretary are: W. J. Chelgren, W. R. Marshall, and E. F. Wagner.

This is the first election to be held since the change from the A. T. A. A. to the A. T. S. A. One of the objections to the old organization was that prominent athletes were invariably elected to office. This was due to the general misunderstanding caused by the misleading name Armour Tech Athletic Association. Now, with the name Armour Tech Student Association, other outstanding students besides athletes are named for election.

Dr. Jakob Addresses Joint Society Meeting

In a well-prepared and simplified lecture, Dr. Max F. Jakob, international scientist in the field of heat transfer and thermodynamics, explained his studies of the intricate problems connected with evaporation at a joint meeting of the A. I. Ch. E. and A. S. M. E. student chapters last Thursday morning.

Beginning with a brief history of evaporation, Dr. Jakob showed that very little is known about the process, although it has been used for a long time. He then began a description of the apparatus he and his colleagues used for studying the temperatures at different points in an evaporating liquid in an attempt to verify the equations of the superheating of liquids and the formation of bubbles proposed by two noted authorities in the field.

For the purpose horizontal and vertical heating surfaces were used. Photographic and cinematic methods were employed to study the bubbles formed, while stroboscopic measurements enabled him to find their frequency of formation. The types of bubbles originating at smooth, half-smooth, and rough surfaces were described as well as other qualitative results.

With the data obtained in these experiments Dr. Jakob was able to calculate a coefficient of heat transfer.

Award Four Books as Prizes for A. S. M. E.

Four engineering books will be awarded to the outstanding members of A. S. M. E. at their next meeting on Friday, May 22. The faculty of the mechanical engineering department donated three of the books, and the national A. S. M. E. will present the fourth book. The awards will be made on the basis of the students' activity in the affairs of A. S. M. E. for the past year. The books to be awarded will be placed on exhibit in the library today.

"The Engineers' Manual" by Ralph G. Hudson, "Pan Engineering" edited by R. D. Madison, and "Air Conditioning and Engineering" edited by the engineering staff of the American Blower Corporation will be the three books awarded by the faculty. The national A. S. M. E. will present the "Biography of John Alfred Brashear." After the awards are made, the election of officers for the coming school year will be held.

L. Holmes Is Elected President of A. I. E. E.

New officers of the A. I. E. E. were elected for the ensuing term at a meeting held last Friday. Those chosen for office are:

President.....L. Holmes
Vice-President.....R. Lammont
Secretary.....B. Johnson
Treasurer.....J. Houtsma
Professor Freeman was unanimously re-elected to the society.

Following the election, final plans were made for the A. I. E. E. picnic to be held at the Indiana Dunes on Thursday, May 14. Baseball and swimming in Lake Michigan will feature the afternoon program at the picnic.

Mechanicals See Air Conditioning Project

Last Wednesday, 45 members of the mechanical engineering department made a tour through the air conditioning plant of the Tribune Tower. The group consisted of A. S. M. E. members and students in the air conditioning classes. The students were accompanied by Professor Nachman. The air conditioning apparatus is about 30 feet long and is used to condition air for all the offices of the building. Mr. R. M. Morrison, chief engineer for the Tribune, conducted the group, explaining the mechanism of the different sections. Of particular interest were the condensers and the evaporators. The outstanding feature of the machine is its low cost of operation which is only twenty-eight cents per ton of refrigeration per day.

Fraternities Plan Open House Night

Important facts concerning the participation of Armour fraternities in the Junior Week events were discussed last Friday at the meeting of the interfraternity council in the Tau Beta Pi rooms. Paul M. Martin, head junior marshal, asked for the fraternities cooperation in the interfraternity pageant and in the interfraternity sing which is annually a part of the spring concert of the musical clubs. The schedule of events for Junior Week was read, and limitation of entries in the interfraternity track meet was discussed. Entries in the meet must be made at the latest on the day before the meet transpires.

The Interfraternity Open House, the first of its kind at Armour, will be held on the evening of May 12. A progressive dance is the main feature, giving the men and their dates an opportunity to visit several houses during the evening. All non-fraternity men are invited, the only request being that no stags try to take advantage of the situation. To quote John Scott, president of the interfraternity council, "We plan to make this an annual affair. At other colleges it is one of the highlights of the year. All the fraternities at Armour are participating, and all Armour men, fraternity or non-fraternity, are invited. The houses will probably be open from 8:30 until 1 o'clock.

In addition, the interfraternity council will conduct a registration booth in the lobby of the main building on the school Open House night. Graduating high school students and other guests of Armour will be asked to register. It is hoped that this will make contacts which will result in advertising both for the school and for her social fraternities.

Dean Heald Attends Philadelphia Meeting

Dean H. T. Heald returned yesterday from the eighteenth annual convention of the National Association of Deans and Advisors of Men which was held at Drexel Institute in Philadelphia. The convention was in session April 30 and May 1 and 2. Dean Heald attends these meetings annually.

Players To Enter N.Y.A. Semi-finals

Participation in the semi-finals of the N. Y. A. Drama Festival at the International Amphitheater comes as a result of the outstanding performance of *Falstaff* by the Armour Players last Wednesday. The semifinals will take place on Wednesday evening, May 6 at 10:20. The judges of the N. Y. A. competition selected the Armour Players as one of fifteen college groups in the Chicago area to compete at the Amphitheater.

To Present Puppet Show

The determining factors in the judges' decision were the fine acting of the players, especially that of Monte MacConnell and Sydney Miner, and the realistic scenery designed by Richard Lischer. The selection by the judges is a compliment to the able direction of Mr. W. B. Fulghum. *Falstaff* was the first Armour play under his direction.

Close on the heels of *Falstaff* follows the Armour Players' next production, a puppet show which will be presented on Open House night, next Monday, in Science Hall. Scenes from Christopher Morley's *Faust* will be adapted for the performance, which will last for fifteen or twenty minutes, and will be repeated several times at intervals throughout the evening.

Lischer Designs Scenery

Lischer, president of the Players' organization, and designer of the last setting, which was praised highly by the N. Y. A. judges, will design the scenery and take charge of the lighting effects of the marionette show. L. Cunco has made the puppets and their costumes. The figures will be manipulated by G. Danforth and F. Hrachovsky. Voices for the marionettes will be supplied by L. Cunco and R. Weissman.

The production of *Faust* will be the first attempt at anything of its kind by the Players, and they expect it to be highly entertaining. Lischer, an architect, suggested the idea, and it was he who supplied the greater part of the motivating force which was necessary to put the plan over. This production will also be the first to be staged by the Players as an Open House night entertainment.

Chemical Fraternity Initiates Eleven Men

Eleven pledges were initiated into Alpha Chi Sigma, national professional chemical fraternity, last Tuesday and Thursday evenings in the Alpha Chi Sigma rooms. Those initiated were: G. F. Hagenauer and J. Kahles, seniors; A. J. Allegretti, R. A. Clarke, F. Hackman, F. D. Hoffert, L. F. Kacel, and W. Waite, juniors; and H. J. Bodnar, W. R. Marshall, and R. T. Smith, sophomores.

F.P.E.S. Hears Talk on Special Hazards

A discussion of the solution of some problems met in the fire protection of special hazards was presented by Mr. Benjamin Richards, manager of Underwriter's Service, at the meeting of the F. P. E. S. last Friday.

Mr. Richards stated reasons why insurance companies must pay close attention to special risks. The number of risks has increased, competition between insurance companies has caused low rates, and the value of property involved has greatly increased.

Sprinkler systems almost universally favor the first line of defense, and hose the second. More scientific methods applicable to special cases are foam extinguishers and carbon dioxide gas with special thermostatic controls.

In concluding Mr. Richards said that he believed regulated sprinklers, universal alarm systems, detectors of smoke and flame, and even the radio promise to be important future fire fighting apparatus.

HOBO DAY PLANNED FOR ALL STUDENTS AS FIRST EVENT OF JUNIOR WEEK

Freshman-Sophomore Ball Game, Interfraternity Baseball Finals, and Open House Night All Featured on Monday

HOLD FRATERNITY OPEN HOUSE FOR FIRST TIME

Mechanical Honorary Initiates Four Men

Four junior mechanicals were initiated at the annual spring initiation of Pi Tau Sigma, honorary mechanical engineering fraternity. The men initiated were H. L. Appel, J. F. Bartusek, J. Hlousek, and P. A. Reh. The initiation was held last Tuesday evening at 6:30 in the Midland Club. Professor Nachman of the faculty was present. The dinner was held in a private room at the club, and after the initiation, cards were played.

Sewage Plant to Be Inspected by Civils

An inspection trip which will consist of a visit to the Calumet Sewage Treatment Plant and the Torrence Avenue lift bridge, now under construction, is being negotiated by Professor R. L. Stevens for the latter part of this week.

Several other trips of a similar nature are being planned, according to Professor Stevens.

A.I.Ch.E. Hears Talk By H. W. Eastwood

"Chemical Engineering Development of the Phosphorus Blast Furnace" was the topic of a highly informative lecture given by Dr. H. W. Eastwood of the Victor Chemical Works at last Friday's meeting of the A. I. Ch. E. Illustrated with slides and equations, Dr. Eastwood's lecture described this comparatively recent development in chemical engineering.

Supplanting to a great extent the old method of wet decomposition, the blast furnace method was developed to its present high state of efficiency only after much calculation and years of experimentation. It was found that adjustments had to be made on the theoretical calculations involving the determination of blast furnace temperature, the ratio of silica to lime, and the melting of slag. These difficulties were overcome, however, and as a result a huge plant was built by the Victor Works to provide for the increasingly important problem of phosphorus production.

The topic was especially appropriate in that the seniors have just completed their annual A. I. Ch. E. problem, which this year consists of the planning and design of a phosphorus plant.

Engineers Discussed at W.S.E. Meeting

"How to conceal the depths of his own ignorance is one thing a college graduate has learned," stated Mr. H. C. Herring as he began a talk on his philosophy of life at the last W. S. E. meeting. He said that a man's success depends not only on knowing himself but on knowing his fellow man as well. He emphasized the necessity of a graduate engineer attending as many organization meetings as possible, being able to meet people of all walks of life, and being able to carry on intelligent discussions.

With the semi-annual W. S. E. smoker coming off Saturday, May 9, the participants are anticipating a grand time. Movies, card-playing, swimming, and refreshments will make up the entertainment for the evening.

Plans are now complete for Armour's thirty-first annual Junior Week, activities beginning on Monday, May 11, and extending through Friday, May 15. Paul M. Martin, the head junior marshal, is chairman of the committee which planned and will direct the events of the week. The junior marshals who are assisting Martin are E. A. Drogemuller, mechanical, I. Holmes, electrical, H. P. Lohmiller, architect, P. L. G. Moore, civil, P. R. Schultz, chemical and science, and R. E. Winkler, fire protect. A complete program for the week will be included in the issue of the *News* which will be distributed next Monday night.

Monday will be hobo day, with a special prize going to the wearer of the most unusual costume. Hobo day, this year, is open to students of all departments. At 10 a. m. will be the finals of the interfraternity baseball tournament, to be followed at 11:30 by the judging for the hobo day prize. The freshman-sophomore baseball game will be played at 1 o'clock.

Open House starts at 7 p. m., and closes with an informal dance in the gym, to which stags will not be welcome. The exhibits at Open House will be of a spectacular variety, set up in a way which will attract the non-technical visitor. The physics lab will include experiments showing Bernoulli's principle, liquid air, a working model of a geyser, a thermoelectric magnet, a discharge tube, and a stroboscope. In the organic lab the sophomore chemicals will be working on furfural and cosmetic exhibits, and will perform nitration, sulphonation, esterification, and fractionation experiments. The freshman chemistry department will have its usual colorful display, and in the electrical lab will be a Tesla coil with a five-foot spark gap, and experiments illustrating the use of a rotating magnetic field, grid glow tubes, short waves through the human body, and mechanical forces produced by current-carrying conductors. The freshman and civil drafting rooms will display the best
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Chemicals Take Trip To Sherwin-Williams

During the visit to the Sherwin-Williams' paint factory last Wednesday, the senior chemicals witnessed the various chemical processes used in the manufacture of their products. The trip lasted most of the afternoon and proved to be one of the most interesting of the senior course.

Contrary to the custom of some previous years, the class was not obliged to hand in written reports of the trip, however some of the men submitted oral reports of such excellent quality that the faculty felt that the trip was an invaluable experience to all.

The senior chemicals still have quite a number of inspection trips to make before their graduation. The plants to be visited are the Archer-Daniel-Midland company, the Commercial Products company, the Universal Oil Products company, Lever Brothers, Universal Atlas Cement company, Central Chemical Manufacturing company, and the Graselli Chemical Manufacturing company.

All senior chemicals are required to participate in these trips as a part of their regular work, and in the opinion of many, they comprise the most interesting part of the entire course.