



Armour Tech News



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Movies to Be Shown at Assembly Friday

Construction of Golden Gate Bridge Will Be Seen

At the second assembly of the year this Friday, a sound motion picture, "Construction of the Golden Gate Bridge", will be shown. The picture comes from the John Roeblings Sons Company who built the world's largest open span bridge, and will be authentic in every respect.

This presentation comes as part of the Institute's program to supplement class instruction with lectures by outstanding personalities and the showing of motion pictures along engineering lines. All students are welcome, and there will be no classes at the time, 10:30, Friday.

Builders of some of the most noted bridges in engineering annals, John Roeblings Sons Company maintain extensive research laboratories and a staff of many technicians and scientists. In the picture will be shown how their work in prestressing, determining the properties of bridge strands, cables and sockets, enables laborers ignorant of all these things that Armour men study daily, to construct these marvels of precision, which, it is hoped, will attract and interest a large group of men.



IN A SHORT WHILE Armistice Day will be here again, and as is customary, Americans in all walks of life will pause for a moment to pay tribute to those who died during that great struggle twenty years ago.

Before the World War, Europe was suffering from a case of "excessive nervousity" such as it had never experienced prior to that conflict. Today we, here in the United States, are beginning to appreciate that same condition. So rapidly are "events" taking place that international complications seem to be reaching the danger point.

WE MAY LIST rather briefly, some of the more recent developments which are the cause for the present war scare. (1) The Sino-Japanese conflict took on an added importance after the Japanese announced their blockade of the entire Chinese coast. This coupled with the strong resistance the Chinese have put up, and the recent declaration by Japan that a state of war existed, have aided materially toward bringing the Far East Situation closer to us. (2) The fact that Russia openly accused Italy of sponsoring the pirate submarines in the Mediterranean Sea, has certainly not diminished the possibility of war. (3) Germany's repeated determination to stand by Italy against Russia or any other enemy, plus the recent meeting between Hitler and Mussolini has served to emphasize an alliance between these two dictators. (4) President Roosevelt's recent speeches, which exemplify America's new interest in foreign affairs, is another source for thought.

WHETHER OR NOT we will become involved in a new conflagration in the immediate future is a matter of speculation. Those who are supposed to be more ably informed declare that war will not come for some time yet.

This shrewd prophecy seems to be substantiated by the following facts: (1) The British armament program will take about one year to get into full stride. Because of this British diplomats will continue jockeying for position in all foreign affairs. The English are reluctant to start the next war and it is only because they have allowed their irritation to be soothed with ink that Europe has been spared from war thus far. (2) Germany is experiencing a shortage in crops this year and the winter promises to be a hard one. There are those who point with warning to Germany's dazzling "self sufficiency"

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A.S.M.E. to Visit Kenosha Plant of Nash Corporation

The Armour Branch of the A. S. M. E. will visit the Kenosha Plant of the Nash Motor Car Company, Wednesday, November 3, if negotiations with the company are completed, it was announced today by the Inspection Trip Committee. The final date and arrangement will be available at the next meeting.

It is planned to have a representative from the company visit Armour before the trip and lecture upon the features and operations to be seen at the plant. This will increase the value of the trip for each member attending.

Senior Committees Selected by Nauman

To Control Class Activities Throughout Year

President C. K. Nauman of the senior class has announced the appointment of various functioning committees for the control of graduation and pre-graduation activities. The committee which has charge of the graduation ceremonies in general consists of A. N. Schrieber, chairman, R. A. Kliphardt, C. Basile, R. F. Beardsley, W. R. Marshall, and W. J. Laise.

Selection of the class jewelry will be the responsibility of L. I. Thomas, chairman, R. E. Maxant, E. F. Wagner, G. Palka, L. Johanson, and L. Wiltrakis. Arrangements for the acquisition of Caps and Gowns will be in the hands of W. J. Chelgren, chairman, E. Hansen, W. Litwin, S. Osri, J. F. McIntyre, and G. Ives.

All senior class pictures and picture selection will be made by L. Lange, Chairman, H. B. Nicholas, W. E. Velvel, F. A. Palonis, I. Gebel, and E. Skeppstrom. Announcements concerning the graduation ceremonies and all student announcements concerning the entire senior class will be made through H. J. Bodnar, chairman, S. Gryglas, R. Duffy, H. G. Downing, S. M. Johnson, and T. F. Cunningham.

Tau Beta Pi Delegate Impressed by Texas

Editor's Note: Henry Bodnar, president of Illinois Beta Chapter of Tau Beta Pi, comments on his trip to the Tau Beta Pi convention at Austin, Texas last week.

Texas University is rightfully called "the most beautiful school in the South." The majority of its buildings were erected during the last ten years. Its campus features artistic landscaping, lily ponds, statues, arbors, and patios.

One of the most beautiful and useful building is the Students Union which includes, among other attractions, a spacious lounge well provided with couches, easy chairs, ash trays, and all the other comforts of home. The front of the room is cleared for dancing with a nickelodeon providing the music. Introductions to coeds are unnecessary. The only requisite is the ability to say, "Hello. Dance?"

Texas girls are beautiful, attractive, friendly, and cordial. Most of them are habitual smokers, but very few drink anything stronger than soda pop. Short skirts predominate and hats are rarely worn.

Sororities charge \$75 to \$150 for initiation. Many sorority members have cars and were not averse to letting convention delegates use them. Full advantage was taken of all opportunities offered.

Civil Drafting Room Painted, Remodeled, and Refurnished

Among the improvements taking place throughout the campus, the fixing up of the civil drafting room deserves notice. The room was painted and calcimined and new furniture and lights have been installed.

The roof on Chapin Hall is being renewed and the seats in Science Hall have been numbered to make it easier for professors to take attendance.

Engineer to be Distributed Soon

This year's first issue of the *Armour Engineer and Alumnus* will be distributed to students before the end of this week, according to its editor, Professor Hendricks. A variety of articles will be featured in the issue including development of the lake front, football, engineering, and the new professors at the Institute. The circulation will be over twenty thousand copies.

The feature article will be by an Armour graduate, F. G. Heuchling, an assistant executive with the Chicago Park District, who will discuss "Chicago's Lake Shore Development." His article covers the new outer drive bridge and its relation to Chicago's lake front.

Professor Schommer, athletic director of the Institute, has written an article entitled "Interference on the Forward Pass." Professor Dutton will discuss "The Engineer in the Business of Living." Articles by Professor Finnegan and Professor Peebles will also be in the issue.

Another important feature of the coming issue will be sketches of the new professors at Armour. A photograph and a short biography of each new professor will be presented.

Famous Arctic Explorer Discusses Feasibility of Transpolar Airlines

"I was going to say 'Ladies and Gentlemen,' but there are no ladies."

With these words, spoken with subtle humor that was hidden under the graciousness concomitant with intense experience, Vilhjalmur Stefansson, eminent explorer, opened an interesting lecture on transpolar commerce by air.

"Man started in the tropics," he said, "and a study of the center of military power throughout the ages will show that it has gradually advanced northward." He continued, saying that a change of climate inevitably meant a change of mind; a change of ideas and ideals. Similarly, transpolar commerce by air, since it involves change of climate, means a change of mind. Thus there is not much hope of developing such commerce immediately.

Many Lakes in Summer
One instance of this is the difficulty of summer transportation produced by innumerable lakes, which form because of a permanently frozen subsoil. The result of this is that ice forms the only practical means of travel. Hence walking on water is a miracle in tropical zones, but commonplace up north.

Dr. Stefansson went on to say that another difficulty is caused by the widespread use of Mercator projection maps. Gasps, snickers, and exclamations of surprise were heard rippling across the auditorium, as he showed the silhouette of a man projected a la Mercator.

He emphasized the shortness of transpolar routes from continent to continent, saying that an island north of Siberia is halfway between

Shaffer and Zoellner Are Chosen to Fill Freshmen's Temporary Class Offices

Last Friday the freshman class held their first meeting for the purpose of electing temporary officers of their class. Philip Shaffer was elected chairman by a large plurality, and Rudy Zoellner was elected class secretary.

When nominations were opened by C. W. Dunbar, who presided for the first part of the meeting, the air was instantly filled with raised hands and cries of "Mr. Chairman!... Mr. President!... I nominate...". Finally the following were nominated for chairman: P. Shaffer, R. Graham, G. Gardes, G. Hamilton, K. Myers, and J. Alschuler. Following this, H. Lightstone, E. Steinke, and R. Zoellner were nominated for secretary.

Sophomores to Hold Election Next Friday

Arrangements for their coming class election was made by the sophomore class at their first meeting last Friday morning in the fifth floor drawing room. A primary election tomorrow will determine the candidates to win the final election on Friday, two students to be chosen for each office.

A committee composed of S. Silverman, W. Dolder, R. Smith, P. Smith, A. Winkler, J. Catlin, and D. Wessels, is collecting the names of the prospective candidates and will have charge of the primary and runoff elections. The committee has announced that all those who wish their names to appear on the primary ballot must submit them before 1:00 today.

During the discussion at the meeting an attempt was made to introduce a commission form of class government consisting of a president elected by the class at large and a representative from each department of the class. The proposal caused considerable comment but was rejected by a decisive vote. It is probable from the trend of the arguments, however, that next year another attempt will be made which might result in a shift from the traditional form now used to the commission form of class government.

Washington, D. C. and Honolulu, and that the shortest route from San Francisco to Paris is via Oregon, Hudson Bay, and Iceland.

Light Enough for Football
"It is not nearly as dark at night in the polar regions as it is here," said Stefansson. "A full moon gives sufficient light to play football or baseball." He also mentioned the greater ease with which an airplane can take off in cold air than in warm. Cold air is also clearer, as a rule. The big problem is how to enter the Arctic at one end, and leave from the other.

After the lecture, he showed illustrative slides, some of beautifully colored flowers of the North, among which were daisies. These photographs were colored by a biologist who went with Stefansson on his third expedition.

Professor Libby's Refrigeration Talk Is Ninth of Series

Edwin S. Libby, professor of refrigeration engineering, was guest scientist last Saturday night on the ninth program of the radio series sponsored by Armour Tech through the cooperation of the Adult Education Council of Chicago over radio station WCFL. His topic was "Modern Refrigeration."

In his interview with interlocutor A. P. Schreiber, the growth of the artificial ice industry was traced. In 1890 a shortage of natural ice gave stimulus to the industry even though the principle was recognized as early as 1755 and even though Jacob Perkins invented the first compression machine using that principle in 1834.

Professor Libby discussed the principle of mechanical and absorption methods of refrigeration and stressed the importance of choosing the proper refrigerants. He stated that commercial units do not differ basically from the domestic refrigerator—but in most industrial plants an indirect system is used, that is—brine is cooled by means of a refrigerating unit and then is pumped through pipes to cool the storage rooms.

PLEASE

Enough copies of the 'News' are printed each week so that each student may have one paper. Many students do not receive their copies because of a thoughtless few. Please take only one next time.

Senior Social Season to Start in December

The senior class under the guidance of social chairman Bob Worcester is making plans for its first dance of the season. The dance, which promises to be among the swanky affairs of the year, will probably be held the week-end of December 10, the place and orchestra not yet having been decided upon.

Instead of the usual complimentary bid for every ten bids sold a complimentary bid will be given for every seven bids sold.

The social committee has not decided yet as to whether the dance should be held on a Friday night or a Saturday night. Anyone who has any preference on the subject is requested to discuss this matter with any of the members of the social committee.

Arx "Carrossel" Set for Nov. 19; Music by Phillips

The Armour architects are anticipating one of their most successful dances in the "Carrossel", the first major social event of Armour this fall. Even at this early stage the architects are beginning to reminisce of the swell times they had at the former dances and those who missed the former dances are vowing to enjoy the present celebration. The architects have always been proud of their annual fall dance and with just cause, for every dance of the past years has been a huge success.

Students who attended last year discussed for many weeks afterward the general atmosphere of gaiety surrounding the affair. Those who did not attend became aware of the fun they missed and many regretted too late. The present dance was named the Carrossel this year because it intended to be just what its name signifies—one merry-go-round of fun. The arrangement committee urges students of all departments and their friends to attend.

The dance committee has been busy the past few weeks in arranging all the details. The dance will be held in the Electric Club in the Civic Opera Building, 20 North Wacker Drive, on Friday night, November 19, the week preceeding the Thanksgiving holidays. Dance music will be furnished by Bob Phillips and his orchestra from nine til one. Bids are \$1.50 and will be on sale very shortly. They may be obtained from any member of the architectural department. Solicitations are scheduled to begin as soon as the bid and poster design of Armour students are selected. The deadline for entries has been set for 11 a.m. today. Selections and winners of the prizes will be announced shortly.

W. Wagner and J. Rea, members of the committee, warn all Armourites to be ready with iron-clad excuses if they don't wish to attend the affair. "Please don't say that you can't dance," they warn, "That is no reason why you shouldn't participate in the fun. You may be sure that for every reason you may submit for not attending the dance, Bill and John will propound two reasons why you should attend."

Chess Players Progress in Championship Tournament

Chess players, attention! The yearly tournament to determine the relative standing of chess players in the school is now in progress.

Every day during the noon hour, students interested in playing chess are invited to chess club headquarters in the civil drafting room, 4th floor of Chapin hall. Here the masterminds who determine the fates of the pawns and the soldiers can munch their lunch and play at the same time.

A. Rune, club president, announces that the rankings of the players will determine the personnel of the team for the coming year, which is to meet such opponents as University of Chicago, Northwestern University, Wright Junior College, and others.

Junior Class Elects Kruse Head Officer

Installation of Officers Held Last Friday; Smoker Nov. 24

Willard E. Kruse was elected president of the junior class last Thursday, defeating T. Collier, his opponent by a vote of 85 to 41.

Kruse is a pitcher of the Armour baseball team, a member of the Alpha Chi Sigma, professional chemical fraternity, and has been A. T. S. A student representative for the past two years. T. Collier, C. E., who is a fairly new student at Armour obtained a relatively large number of votes in the primary election, and therefore helped eliminate a large number of popular men from the runoff election.

Mitchell—Vice-President

The other officers elected were E. C. Mitchell, former president, who defeated L. Ropek for the vice-presidency 69 to 54; P. Peltier, who was the victor over H. C. Anderson for the office of secretary 87 to 37; L. Bain who beat H. C. Soukup for treasurer 77 to 48; and B. G. Anderson, who triumphed over C. Reh to retain his old position as social chairman 98 to 27.

Willard Kruse, newly elected president of the junior class, wielded his gavel for the first time last Friday morning at a meeting held for the purpose of installing the officers elected last week.

H. S. Anthon, retiring treasurer, gave a short report concerning the station of the junior class treasury. Five-hundred dollars remain in the treasury, including forty dollars' loss on the free smoker held during the summer.

Lawson "Y" or Steuben Club

B. G. Anderson, who was re-elected as social chairman, announced plans for a closed dance and a smoker, one or both of which will be held during the fall.

The smoker will be held November 24, the Wednesday before Thanksgiving at the Lawson "Y" or the Steuben Club. The Junior Formal will be held on February 25.

President Kruse, during his inaugural speech, called attention to the fact that the newly elected officers will carry out their duties as officers of the class, and not of the departments.

H. A. Vagtborg Made Associate Director of Research Work

The newly created position of Associate Director of the Research Foundation has been filled by Harold A. Vagtborg, associate professor of Civil Engineering. The appointment was approved by the Executive Committee on October 18. Professor Vagtborg will assist Dr. Poulter in much of the executive work of the foundation.

Other newcomers to the Research Foundation are: Dr. P. L. Copeland, of the physics department in the electronics laboratory; Dr. F. W. Godwin, who will carry out coal research work; Dr. L. E. Grinter and Mr. C. O. Dohrenwend who will do research in the civil engineering field.

Many of last year's projects are being continued this year. Among the work going on at present are: the coal research, automotive engineering, high pressure work, and stoker development being done in connection with the Whiting Corporation.

According to Dr. Poulter, about fifteen or twenty new projects are being contemplated for future work. At present however no information is available as to what may be chosen.