

## W. S. E. MEETING ADDRESSED BY PROF. WELLS

Bridge Design Aesthetics  
Is the Topic  
of Talk

SLIDES ILLUSTRATE LECTURE

At its second meeting held October 18 in Room B Mission, the Armour Branch of the Western Society of Engineers had as its speaker Professor M. B. Wells of the Civil Department. His subject was "Aesthetics of Bridge Design."

Conformity Stressed

In his talk Professor Wells emphasized several main points to be looked for in good looking structures. The importance of Conformity of Structure to the Surroundings in which built was particularly stressed. No structure can be considered beautiful if it stands out grotesquely against its background,—a blotch on the natural beauty of the landscape. Along with this the bridge should show the Purpose of Construction. The main abutments and trusses should stand out and show the strength and ability to do the work for which they were intended.

Slides Illustrate Lecture

In order to please the eye the bridge should not be overdressed. In some of the slides with which Professor Wells illustrated his talk, the bridges shown appeared merely as a mass of structural members,—the purpose of which it was difficult to see. Symmetrical bridges, either arched or straight-line trusses, but not combined, give the best looking structures. Pleasing Outline, which ordinarily accompanies economic use of material, is essential to all good-appearing bridges.

The lack of these requirements is evident in bridge structures all over the country. In pioneer times, bridges—both railroad and highway—were built only for the purpose intended, and appearances were entirely neglected. At these early times, the sparsely settled western country could afford no expensive structures, and good looks were not considered as necessary. With natural resources, namely lumber which at that time was very plentiful, the engineer built most of his bridges. Bulky and uneconomical though they may appear today, there are many of these old structures that are still existent.

(Continued on page 4, column 1)

## Glee Club Elects Manske President

At a meeting of the Glee Club held Thursday, Oct. 18, the following officers were elected:

President, Wm. R. Manske, '30.  
Manager, G. J. Heller, '30.  
Librarian, Wm. A. Dean, '30.

Dr. Daniel Protheroe, noted Chicago composer, is again conducting the Glee Club this year.

The band is the only one that has made public appearance thus far but in the near future an opportunity will be had to hear all of the musical organizations.

Both the Band and Orchestra, under the direction of George Rezac, are preparing special arrangements for future use. Rezac states that approximately 75 percent of the members of the Band and 50 percent of the Orchestra members are freshmen.

Edward Craig is leading the Stresses and Strains this year. Although only a sophomore, he already has done notable work as director of that organization.

## Press Club Meets One o'Clock Today

Students who are in any way interested in working on Armour Tech's publications, whether on the business or the editorial staffs, should be present at a meeting of the Press Club which is to be held today at 1 p. m. in Science Hall (3rd floor, Main). The sole purpose of the meeting will be to give students who aspire to positions on the staffs of any one of the three publications an opportunity to offer their services, according to John Hommes, '29, president of the Press Club, who is sponsoring the meeting.

The editors and business managers of the publications will be on hand to explain the requirements for staff positions, and will especially show the underclassmen how such positions may be attained.

Upper-classmen who wish to come to the meeting, which will adjourn about 1:30 p. m., are excused from the first part of their classes, if any. They will be required to report to class immediately thereafter, however. Freshmen who have major classes at that time are not excused to attend the meeting. All other freshmen are invited and urged to come.

## 9NV BEING PUT IN OPERATION

The meetings of the Armour Radio Association will be held in conjunction with those of the A. I. E. E. every two weeks in Science Hall, at 11:30 a. m. commencing October 29.

Plans are already under way to put amateur radio station 9NV into operation. Although the transmitter is ready for action, it will be necessary to remodel the antenna. New guy wires and a new type of aerial are to be put up.

All licensed operators will be entitled to operate the station under the direction of R. L. Von Osdol, chief operator. Only about six have signed up for this privilege at the present time. Any other students who are interested in either joining the Association or operating Station 9NV are requested to sign up on the notice posted on the bulletin board in the foyer of the Main Building.

A television receiver is to be installed for experimental purposes, if the necessary apparatus can be secured and enough interest in the project displayed by the members of the club.

An Honor "A" Society meeting will be held on Friday, November 2, at 1:00 p. m. in the Science Hall. All letter men, whether the recipients of major or minor A's, are requested to be present, since this meeting is for the purpose of securing new members to the organization. "Nap" Kara, '29, is president of the Society.

## "Analytical Chemist" is Schommer's Ch.E. Talk

John J. Schommer, Professor of Industrial Chemistry, was the speaker at the regular meeting of the A. I. Ch. E. held Monday, Oct. 22, in Science Hall. His subject, "My Reminiscences As An Analytical Chemist," proved to be one of the most interesting delivered before the society.

Professor Schommer's topic dealt mainly with the fact that the ultimate success or failure of the graduate engineer or chemist depends primarily upon his ability to cope with the problems which are continually presenting themselves. He illustrated his points repeatedly with references to his own wide experiences, inserting the touches of humor for which he is famous.

## The Straw Vote

With this issue of the NEWS you are being handed a separate printed Straw Ballot. You are requested to mark it immediately, and drop it in the new Contribution Box which has just been hung in the Main lobby.

The straw vote conducted by us a few weeks ago was unsuccessful in that only about one quarter of the student body voted. This was attributed to the fact that our subscribers were unwilling to tear their copy of the NEWS to obtain their ballot.

This poll will be final. Results will be published in next week's issue, which comes out a few days before the election.

## BASKETBALL MEN REPORT IN GYM NEXT THURSDAY

All candidates for the basketball team must report for practice in the home gymnasium, Thursday, October 25, at 4:45 p. m., ready for work. That means that every man must have enough equipment, which consists of shoes, shirt, pants, sweat-shirt, etc.

This early practice is very necessary in view of the fact that Armour's team will be composed of a fairly green combination, and in consideration of the hard schedule this season, the necessity for this early rounding into form, becomes even more apparent.

Cal Johnson announces that to date he has arranged seven games out of those mentioned in the tentative schedule, and hopes that by the end of the week to have his bookings completed.

Games with the following institutions have been booked:

Thurs., Jan. 17, De Kalb at Armour.  
Sat., Jan. 19, Armour at Y. College.  
Sat., Jan. 26, Armour at De Kalb.  
Tues., Feb. 5, Y. College at Armour.  
Sat., Feb. 9, Armour at Milton.  
Fri., Feb. 15, Augustana at Armour.  
Sat., Feb. 23, Armour at Augustana.

## SCHOOL CALENDAR

Thursday, Oct. 25:  
1:00 p. m., Press Club Meeting in Science Hall.  
4:45 p. m., Basketball candidates due in the Gym.  
8:00 p. m., Campus Club Smoker, Chapin Hall.  
Friday, Oct. 26:  
9:30 a. m., Distribution of Usher badges for Chicago-Purdue game. South end of Main lobby.  
Saturday, Oct. 27:  
12:00 noon, Ushers due at Stagg Field, Gate 8A, for Chicago-Purdue game.  
2:00 p. m., Chicago-Purdue game, Stagg Field.  
Monday, Oct. 29:  
11:30 a. m., A. I. E. E. meeting in Science Hall.  
Wednesday, Oct. 31:  
5:00 p. m., ARMOUR TECH NEWS Staff meeting in the NEWS Office.  
Thursday, Nov. 1:  
8:00 a. m., Distribution of Issue No. 7 of NEWS.  
8:00 p. m., Sphinx Smoker.  
Friday, Nov. 16:  
8:00 p. m., First Senior Dance.

## "Engineer" Editor At Magazine Convention

L. F. Bernhard, '29, editor of "The Armour Engineer," and M. B. Golber, '29, an assistant, are representing Armour today, tomorrow, and Saturday in Lincoln, Nebr., at the national convention of the Engineering College Magazines Associated, an organization comprised of representatives from 21 engineering college publications from all over the country. The Engineer joined the association in 1922.

At this meeting awards are given by the executive committee and criticism of the magazines are made. These awards are on the magazines published during the previous year.

Professor L. F. Van Hagen of the University of Wisconsin is chairman, while the Western Vice Chairman is Paul B. Nelson, editor of the "Scholastic Editor."

At the meeting of the association held last year, the Armour Engineer placed in three of the seven points on which the publications are rated. It placed first for the best illustrations, first for cover design, and third for the best student article. In the same year it received a distinguished rating under the National Collegiate Congress Award.

Thursday morning of the convention will be spent in the choice of committees, which will meet at once. Friday will be spent in discussing the magazines and making awards. The delegates will see the Missouri-Nebraska football game on Saturday, which ends the convention schedule.

## BEAUX ARTS 1ST PROJET MAILED

Projet No. 1 of the Class A Beaux-Arts Institute of Design were mailed to New York last Tuesday, after being submitted by the Junior and Senior students in architecture at the Art Institute. Students of architecture from all over the country enter this competition. Judgments of the first entries will be made on Tuesday, October 30, and will be announced shortly thereafter.

## CAMPUS CLUB SMOKER TONITE

A novel type of smoker is to be held tonight at 7:30 in the Campus Club rooms. The Freshmen are to furnish all of the entertainment and the members are looking forward expectantly to an exciting evening. John Brady, school cheer leader, is coaching the Frosh in their efforts to entertain the upper classmen and alumni. Herb Stebbins is in charge of arrangements.

A total of thirty-five new members including eight freshmen have been taken into the club this semester.

## Kjellgren Wants Cycle Snaps From Students

Philip Kjellgren, '31, photographic editor of the '29 Cycle, has asked that the students turn into him any snapshots relative to the school. The snapshot section of the year book is always one of the most interesting and in order to put it in first class shape, everyone should turn in interesting photographs. The snaps may be turned in either to Kjellgren, or they may be left in the Cycle Office in Chapin Hall, or the Cycle Box in the lobby of the Main Building.

The Armour Student Branch of the A. I. E. E. will meet Monday, October 29, at 11:30 a. m. in Science Hall. Robert Burns, E. E., '24, will be the speaker, his topic being "Movietone."

## DEAN PENN GIVES EXPLANATION OF PHYSICS CREDIT

12 Experiments in 16 Weeks  
Allows More Time Than  
Bulletin Shows

## INTERVIEW PROFESSOR DOUBT

An explanation throwing considerably light on the discussion of the number of semester-hours credit allowed by the new bulletin for Physics Laboratory was given out this week simultaneously by Professor J. C. Penn, dean of engineering, and Dr. T. E. Doubt, who conducts the Physics Laboratory course. The explanation was offered following several criticisms on the part of the students taking the course to the effect that the actual time required to complete an experiment for Physics Laboratory is much in excess of the five hours per week allowed by the bulletin.

## More Than Five Hours

According to Professor Penn each experiment is allowed more than five hours. There being required on an average of twelve experiments to be done in the allowed time of five hours per week for sixteen weeks, the actual time per experiment is not five hours, but 6 2-3 hours, three of which are to be spent in the laboratory, and 3 2-3 in preparation. While some may take more than three hours in the laboratory, he explained, there are others which can be completed in much less time.

## Already a Maximum

"We are already allowing the maximum credit for Physics Laboratory that we can give and still be on a par with other engineering colleges," said Professor Penn. "The figures in the bulletin represent the time required for an average student to make a grade of "B" in the work. Students who have more difficulty in grasping the Physics laboratory work than other work are naturally expected to put more time on the course. Furthermore, students who want an "A" grade must work harder."

## Work Not Easy

In an interview, Dr. Doubt of the Physics department admitted that the work was far from easy. "I didn't choose Physics as my life work because it was easy," he said.

(Continued on page 2, column 3)

## Phi Kapp's 78th Anniversary Is Celebrated

Phi Kappa Sigma Fraternity last Friday, October 19, celebrated its seventy-eighth birthday with their annual Founder's Day banquet held in the Red Room of Hotel La Salle in conjunction with the opening of the new Interfraternity Club club-rooms there. All of the members of the three Chicago chapters, and 250 alumni members were in attendance.

The pledges of the active chapters entertained with stunts in competition for a travelling cup which is awarded on the merits and execution of the stunt offered. Armour Chapter pledges won the cup for the local Phi Kapp's with a neat exhibition of diving and tumbling.

Saturday the men of the local chapter of Phi Kappa Sigma will travel en masse to Champaign to see the Illinois-Northwestern homecoming game. After the football exhibition they will be entertained by the Illinois Chapter at a house dance. Last Saturday the men witnessed the Purdue-Wisconsin battle held at Lafayette, Indiana.