



A. I. T. CYCLE WINS PLACE IN CONTEST FOR COVER DESIGN

Annual Publication Gets Second Honor in Two Years

RECEIVES CASH AWARD

Second prize in the class three cover competition was awarded to the 1930 edition of the "Cycle" by the David J. Molloy Company, manufacturers of covers and sponsors of the annual contest. The prize carries with it a cash award of one hundred dollars.

This contest is conducted each year by the Malloy Company to determine which school, among its clientele, has the best designed cover for its annual publication. The covers for the "Cycle" for the past several years have been made by the Malloy Co. The distribution of the cash prize of one hundred dollars has not yet been decided.

This is the second time in recent years that the "Cycle" has received recognition for outstanding work, the 1929 book being given "All American" rating by the National Scholastic Press Association. Although definite word of the rating of the 1930 "Cycle" by the same organization has not yet been received, it is hoped that equally high honors await it.

The staff for the 1931 "Cycle" follows:

Editor-in-Chief.....A. H. Jens, '31
Associate Editor.....Glen Schodde, '32
Fraternity Editor.....M. R. Beal, '32
Organization.....H. R. Davis, '32
Photography.....O. R. Murphy, '31
Athletics.....H. P. Richter, '32
Art.....F. D. Chapman, '32
Feature.....M. P. Venema, '32
Social Editor.....C. Jens, '32

Course in Airplane Design to Be Expanded

The course in airplane design which was previously a one-semester course with six hours a week in class has been increased to a two-semester course with three hours a week for the first semester and six hours a week for the second. The course will include the complete design of an airplane.

Joel M. Jacobsen, C. E. '29, who has been working with the Fairchild Aircraft Corporation, will be the instructor in the course. He has been added to the faculty of the civil engineering department this September and is teaching surveying in addition to the airplane course.

The first work the students will do in the course will be the choosing of a set of specifications for airplane construction. This set will be used throughout the year.

The men will then make a three-view drawing of an airplane according to these specifications, thus becoming acquainted with the set in use.

Weight and balance computations will follow and performance calculations come next in order, so that the students may become familiar with the structural requirements of airplane construction.

The last part of the course will consist of a final stress analysis of the completely designed ship. This work is very similar to that done by commercial companies in applying for a license for a new type of plane from the United States Department of Commerce.

Upon the completion of this course, the men taking it will be fitted for analysis or design work such as is done by the commercial aircraft companies. The previous course did not give sufficient time to analysis work to completely prepare the men for commercial positions.

Juniors Use Petitions to Nominate Officers

The Junior Class held the first meeting of the year last Wednesday, October 1 at 10:30 in the Assembly Hall at which time plans for the coming class election were discussed.

It was decided to nominate candidates by petition, that is, each candidate is to obtain a minimum of twenty-five signatures of members of the Junior Class to be nominated. Those who qualify will be voted on Tuesday, October 14.

On Friday petitions of the following men were in circulation:

President
John R. Jackson, Jr.
Jack Cavanaugh
Vice President
Wilbur H. Rudolf.
Maynard Venema.

Treasurer
Thomas A. McGill.
Walter M. Trauten, Jr.
Secretary
Frank A. Ustryski.
Howard S. Hendricks.
Social Chairman
James J. Casey.
Howard J. Cameron.

It was decided that if the same name is found on the petition of more than one candidate running for the same office, it will not be counted at all.

A. I. E. E. APPOINTS COMMITTEES; MAPS SEASON'S PROGRAM

Features of the year's program and the appointing of several committees occupied the attention of Junior and Senior electricals at a meeting of the Armour Branch of the A. I. E. E. held yesterday at 10:30 in Room D of the Mission Building. K. A. Knittel presided.

The committees appointed are as follows:

Membership Committee
R. S. Fox, chairman
F. S. Beale
E. S. Warren
R. V. Abramson
G. L. Bomallet

Social Committee
C. J. Griffin, chairman
W. E. Penfold
C. J. Stramberg
W. L. Jost
K. H. Myers

Members were assured that prominent speakers of the electrical engineering field would star at future meetings. Suggestions for programs are earnestly solicited.

"Chems" See Water Treatment Plant

The junior class in Chemical Engineering made an inspection trip last Friday afternoon to the Hinsdale water plant. Professor Bentley conducted the group.

The water treatment plant is one of the most efficient in the middle west. The water is pumped from a deep well, which is located just outside the main building, and is then treated to remove suspended matter and hardness which all well water contains to some degree. The essential features of the treatment are the addition of sodium aluminate and the subsequent filtering which gives a water of the highest quality.

A.I.Ch.E. Meets Today to Elect New Officers

A meeting of the Armour Branch of the American Institute of Chemical Engineers will be held today at 11:30 in the Assembly Hall. The purpose of the meeting is to elect officers for the present year and discuss plans for future meetings.

Senior, junior, and sophomore students in the chemical engineering department will be excused from classes to attend.

F. G. Pease, Armour Alumnus Builds Giant Interferometer at Mt. Wilson USED TO MEASURE DIAMETER OF STARS

Francis G. Pease, '01, has attracted wide acclaim by his completion of a new fifty-foot interferometer at Mt. Wilson Observatory. Mr. Pease graduated from Armour Institute in 1901, with a degree of B.S. in electrical engineering. He was awarded the degree of M.S. in 1924 and D.Sc. in 1927 and is a member of Sigma Xi fraternity.

Mr. Pease has been connected with Mt. Wilson Observatory as an astronomer and instrument designer since 1904. He used the twenty-foot interferometer there to measure the diameter of many stars, including Antares, the largest

heavenly body yet measured. He has been in complete charge of the design and construction of the new fifty-foot instrument, a project which required eight years of work.

The new instrument is not used with the 100-inch telescope of the observatory, as was the smaller one. Instead it has a 36-inch concave mirror of its own to bring the light to a focus, and the whole instrument has a separate housing. Being more accurate than instruments formerly used, it will enable astronomers to measure many previously out of reach and thus stars larger than Antares may be found.

Good Program at Frosh Handshake

A chance for all students, upper classmen as well as lower, to get acquainted was accorded Armour students at the Annual Freshman Handshake held last Wednesday, October 1, in the Assembly Hall.

Before the meeting was called, large and small groups of students were to be seen making the best of this opportunity in the hall and vicinity.

At about 8:00 o'clock, two popular selections, played by our own "Stresses and Strains," called the men into the hall for the meeting.

James C. Filmer, executive secretary of the Armour Tech Campus Club, which sponsors the annual handshake, then took the floor and made a short address of welcome to the freshmen. He introduced Dr. Raymond, who dwelt on the trials of arranging the program. Professor Amsbury, without whom no handshake program would be complete, was then presented. He gave three of his own compositions, one of which was "Ze Captain of Ze Marguerite." These recitations were favorably received by those to whom they were new, and even more so by those who had heard them before.

Professor Leigh arose and gave the new students a few words on the importance and desirability of taking part in outside activities such as athletics and musical clubs. Professor Schommer, who had been scheduled to appear, was not present due to another meeting which he had previously made arrangements to attend. The program was concluded after another piece by the orchestra and the singing of the Armour Fight Song. This was the first time the "Stresses and Strains" had played at a handshake and their reappearance is eagerly awaited.

The evening's entertainment was concluded after a fifty-gallon keg of cider had been emptied and fifty-five dozens of doughnuts consumed.

Glee Club Rehearsal Attended by 31 Men

Last Thursday the Armour Tech Glee Club had its first rehearsal of the semester in the Assembly Hall. There were thirty-one men present, of which about fifteen were new. This semester the organization is well balanced in the matter of voices but new men are still welcome.

Dr. Daniel Protheroe, who is to direct the Glee Club again, returned from a trip to Europe this summer. While there he attended the Passion Play at Oberammergau.

At the rehearsal next Thursday there will be an election of officers for the coming year. For this reason all old members as well as new should attend.

Seniors Discuss Election Method

Last Friday, October 3, at 11:30, the seniors met in the Assembly Hall to decide upon the procedure to be followed in the class election.

The decision reached was that nominations should be by petition, each such document to indorse a candidate with at least twenty-five separate senior signatures. Petitions, it was announced, must be in by noon on Friday, October 10. The election will be held on Wednesday, October 15, under the supervision of the election committees, which has been appointed by last year's president, Fred Attwood.

The following are members:

W. Drigot
A. H. Jens
W. E. Schirmer
C. D. Brown
H. A. Bailey
S. A. Ott

The question as to whether or not the class of '31 should have senior jackets was decided in the affirmative and the new president, when elected, will appoint a committee which is to look into the matter and which is to report its findings at the next class meeting.

Twelve New Men at Rifle Club Meeting

The presence of twelve new men at the first meeting of the A. I. T. Rifle Club, held last Tuesday, September 30 at 12:30, makes the prospects for a banner year brighter than ever. Many of the new men were on their respective high school teams and they should furnish keen competition to the men of last year's aggregation.

The program for the coming year calls for a large number of matches with teams in the surrounding territory. Not only the smaller schools will be challenged but also the larger ones. The team definitely intends to seek competition of the highest class and accordingly it will challenge those schools of the Big Ten that have teams.

The club intends to buy some new rifles soon. After the membership is completed an intra-club tournament will be held, and because the club is anxious to get this tournament under way, it wishes all new men to join as soon as convenient. The return of all old members is also urged. The club had a successful season last year and is looking forward to even a greater year for the coming season. The rifle club is the newest of Armour's clubs and is also one of the most progressive.

At the meeting of Sphinx, honorary literary fraternity, last Tuesday at 2 o'clock in the "Cycle" office, it was decided to reorganize the Press Club, the general literary organization composed of all members of all the staffs.

J. A. Luzquinos, '33 Dies at Sanitarium

Joseph A. Luzquinos, M.E., '33, died on Saturday, September 27, at the Oak Forest Sanitarium, after suffering from tuberculosis for three weeks. He was buried in Chicago after word was received from his family in Peru.

Luzquinos entered Armour in February, 1930, on a scholarship from the "Escuela de Artes y Oficios," in Chiclayo, department of Lambayeque, Peru. He arrived in America one year earlier in order to learn the English language.

The scholarship which Luzquinos received was given by the government and was for four years. The selection of a student for this scholarship was decided by the entire four years record in the high school course. One such scholarship was to be given each four years to the most deserving student in the class. By this method, every fourth class would be given a chance for this scholarship.

The "Escuela de Artes y Oficios" is the government-supported high school of Chiclayo. It is what, in the United States, would be called a technical high school. It has an average enrollment of about six hundred students.

Chiclayo is a town of about twenty-five thousand population, located on the coast of Peru in the department of Lambayeque.

While at Armour, Luzquinos made a very creditable showing in his classes and was expected to re-enter school this semester.

Funeral arrangements were made through Dr. Jorge M. Chavarri, the Consul of Peru in Chicago.

Luzquinos was twenty-two years old at the time of his death, having been born in Peru February 12, 1908.

SOUND MEASURING APPARATUS SHOWN AT A. S. M. E. MEET

Professor Gebhardt, at the first meeting of the Armour Branch of the A. S. M. E. held last Friday, October 3 in Science Hall at 10:30, urged the men present to join the student branch and subscribe for the A. S. M. E. News.

Since it will be necessary for most men engaged in engineering practice after leaving school to do public speaking, Professor Gebhardt stressed the point that the Branch Engineering Societies give ample opportunity for the development of this quality.

After Professor Gebhardt's introductory address, Professor Roesch gave an instructive talk on a device he has perfected for the measurement of sound. He demonstrated the machine by measuring the sound intensities produced by Rock Island trains, 33rd Street automobiles and students clapping hands.

Fred Attwood, '31, president of the local chapter of Tau Beta Pi, honorary engineering fraternity, will leave this afternoon for Philadelphia to attend the National Convention of the fraternity.

CALENDAR

Tuesday, October 7, 1930
A. I. Ch. E. Meeting. Assembly Hall at 11:30.
Orchestra Rehearsal.
Wednesday, October 8, 1930
Championship Interclass baseball game. Ogden Field.
Thursday, October 9, 1930
Glee Club Meeting.
Friday, October 10, 1930
Deadline for nominating petitions.

FROSH NOMINATE OFFICERS DURING NOISY ASSEMBLY

Candidates Must Present Petitions to Be On Ballot

32 VIE FOR HONORS

The Freshman class was formally launched on its political career, with an excess of noise and a sufficient amount of action, in a special nominating assembly held Friday, October 3, in the Mission. Candidates for the offices of President, Vice President, Secretary, Treasurer, Social Chairman, and Sergeant-at-Arms were chosen.

The meeting was called to order at 1:10 by Dean Palmer, who left the chair when H. Kass was appointed temporary chairman.

Dean Stops Disorder

A motion that nominations be made from the floor, and that each nominee must present a petition bearing twenty-five signatures, or else be dropped from the list of candidates, resulted in a wrangle which caused Dean Palmer to intervene and settle the dispute in parliamentary fashion.

The motion was finally passed, so nominees who wish to remain in the race will be required to present their petitions by noon Friday, October 10, to a committee which will be appointed by the acting chairman.

The chairman then called for nominations for class officers. Nominations were made from the floor, with the result that any candidate in the Fire Protection department received a healthy booing from the Architects and Mechanical Engineers and vice-versa.

At this juncture Dean Palmer was again forced to intervene and suggest that the assembly calm down and finish the business under consideration. After this the nominations were made fairly rapidly and uneventfully.

A complete list of nominees is as follows:

For President—
R. Cheatham (Arch.)
S. Lang (E.E.)
L. McDonald (M.E.)
M. Pierce (C.E.)
G. Graham (E.E.)
D. Jacobson (F.P.E.)
J. Lynch (C.E.)

For Vice President
D. Benson (C.E.)
H. Green (M.E.)
S. Lillis (Chem.)
G. Sergeant (Arch.)
H. Dusko (E.E.)
W. Resag (M.E.)

For Secretary
P. Lidl (E.E.)
O. Schmidt (C.E.)
H. Goldman (Chem.)
F. Lowry (F.P.E.)
H. Moskowitz (C.E.)
A. Nargie (C.E.)

Treasurer—
D. Mullane (Chem.)
R. Drum (F.P.E.)
F. MacConnel (C.E.)
F. Headen (M.E.)
R. Davis (Chem.)
L. Marcus (C.E.)

Social Chairman—
B. Peterson (F.P.E.)
L. Callin (C.E.)
G. Brady (Chem.)
T. Cherwin (Arch.)

Sergeant-at-Arms—
J. Manly (M.E.)
C. Kuffel (F.P.E.)
R. Sullivan (F.P.E.)

Program cards must be turned in at once! It is imperative that this be done because many times an emergency call makes it necessary that the office get in touch with a student, but until a program card is turned in, it is impossible to do this.