



Players Score Hit; McAleer and Lund Carry Best Roles

Ratzel Furnishes Music For Dancing

Working under the combined burden of first night jitters, something wrong with the lights, and those unforeseen "bugs" which creep into every play production, the Armour Players succeeded in putting forth a thoroughly creditable effort on their first twin performance, "Captain Applejack," last Friday and Saturday.

Although the play, written by Walter Hackett, has been criticized by many people as being a pirate infested "horse opera," it still is good entertainment and provided the cast with a good working medium. The set, all newly built by Bill Buckman, Bob Underhill and "Fritzie" Schultz, showed a great improvement over the old scenery. Acoustics were much better, largely due to the three-cornered diagonal design which was used in setting up the flats. Dick Lisher deserves praise for his execution of the designs and the decorating of the entire set.

McAleer Stars

Saturday night's show seemed much better than the first performance. Rough spots, false moves, and other minor defects were smoothed out as a result of the previous evening's work. On Friday the first act was the best, by far, the rest of the show slowing up markedly. Charles McAleer, the male lead, did an excellent job in holding up his end of the show, keeping the play moving at all times.

Irene Lund, one of the three girls from the Chicago Teachers, did an excellent job in her portrayal of Aunt Agatha. Her makeup was an artist's job and portrayed her character very well. Loretto Turner, as Poppy, also did a good job. She has an excellent speaking voice, which carries very well, even though she has a few faults in her diction.

Supporting roles by Bob Underhill, Gene Kalnin, Guy Morris, Albert Sanowksis and that boat load of pirates all helped to put the play over.

Open House Juice Exhibits Feature Robot

In preparation for one of the biggest displays ever worked out by the electrical engineering department for open house night, the A.I.E.E. met last Friday and appointed a board of control.

In charge of senior exhibits on the first floor dynamo laboratory will be Vernon Terp and Russell Kotal. Among the experiments planned are the latest developments in D.C. constant-current power transmission, a high potential dielectric test, and an iron melting experiment using 3000 amperes. Water will be made to run uphill under action of a magnetic field. A talking "robot" with mechanical brains will answer any question which is asked of it.

On the second floor, an entire room devoted to exhibits on light will be taken care of by J. B. McCormack, R. I. Bush, R. A. Rehwald, K. F. Oldenberg, and J. D. Shaver, who will arrange for the main activities in the electrical lab. Experiments that have never been shown here before are a talking light beam and a speech scrambler. Old standbys such as trick fountains, electric organs, dial telephone systems, and galloping transmission lines will also be shown. One of the main displays will be a color organ which converts music into light of many hues.

Set up in the student union building will be the most popular displays of last year, the kissometer, the lie-detector, and the 8,000,000 volt Tesla coil. These have been placed in care of Lawrence Strocchia and Louis Maze.

Hold Big Mech Meet; Armour Host Next Year

Over four hundred student mechanical engineers last week here in Chicago made up the largest such convention ever held. With the Lewis chapter of the A.S.M.E. acting as host, the delegates enjoyed various inspection trips and luncheons, as well as technical sessions at the Stevens hotel. A total of sixteen engineering schools were represented in the convention.

On Monday, April 17, the group went on an inspection trip through the plant of the Western Electric Company. After the inspection trip, the members adjourned to the Stevens hotel, where the technical session took place. Stephen E. Kroll of Armour was the initial speaker. He presented a paper on "Welding vs. Riveting on High Pressure Vessels." Other papers by students from other schools were presented. Winning papers were from Illinois, Purdue, and Northwestern.

The convention was brought to a close with the announcement of the 1940 meeting to be held again in Chicago. The Armour chapter will be the host at this convention. It is an interesting fact that the Armour chapter is the second largest in the country.

Fire Protects to Visit 68th Street City Water Works

Under the guidance of John J. Schommer, the junior fire protects will descend on the 68th street water works next Thursday, May 4th, with the object of acquiring knowledge about the pumping, filtering and purifying of the city's water supply.

First on the program will be a visit to the chlorination works on the shore at 68th street. This building is reputed to house one of the largest and the most modern outlays of equipment in the world for chlorinating water. The operation of the system in complete technical detail will be the subject of a half hour lecture by one of the engineers.

Then the class will be taken on one of the city tugs to the cribs, two miles out, where they will examine the settling tanks, machinery, and other equipment, and listen to a short lecture on the process of water pumping. This crib is one of the most modern in the country.

Finally, the fire protects will visit the works for activating sludge, situated at 126th street. Sewage collects there from the various sewers and mains in that district and is subjected to various chemical treatments from which emerges perfectly clear water. The sludge settles to the bottom of large vats and is dried and later burned.

This trip has been planned by Mr. Schommer in conjunction with the studies in his industrial chemistry course. The junior fire protects, who constitute the entire class, have currently been studying the subject of water.

ANNOUNCEMENT TO ALL MUSICAL CLUB MEMBERS

Wednesday, April 26—W.L.S.

4:30 p.m.—Supper for Glee club at Student Union Cafeteria.

6:00 p.m.—Rehearsal at W.L.S. studios, W. Madison Street.

7:00 p.m.—On the air.

Friday, April 28—Dwight-Pontiac trip.

7:00 a.m.—Buses leave Art Institute at 7 sharp for all day trip; both Glee club and orchestra men.

Sunday, April 30—Harvey, Ill.

2:20 p.m.—Illinois Central train leaves 63rd Street for Harvey with Musical Clubs men aboard.

An Open Letter to the Students of Armour

April 21st, 1939.

This letter will serve as a reply to the editorials which have appeared in this paper.

It has been stated that the A.T.S.A. meetings have been shrouded in a heavy cloak of darkness. The Board meetings are open to any and all students of Armour who want to attend, and members of the press have been specifically invited. The fact that a News representative has not attended every meeting is not a reflection on the Board.

In the fall of the year, the budget for the ensuing school year was published. That budget was based on the expenditures of the previous year, and was approved by the Student members of the Board along with the following faculty members: President Heald, Dean Tibbals, Director of Athletics Schommer, Treasurer George Allison, and Faculty representatives S. M. Spears and P. C. Huntly. That anyone can question the undoubted integrity of such men is beyond my comprehension.

Reference was made to the surplus accumulated over a period of years. Naturally, intelligent administration of the activity funds will result in a surplus at the end of the year, rather than a deficit. This accumulated surplus serves as a tide-over during the years when the enrollment drops below the number necessary to finance the extra-curricular activities of the Student Body. Such a situation actually occurred during the lean years of the depression.

This surplus also serves, partially, as a loan fund from which deserving students can draw in time of need. The Editor had only to inquire of Mr. Allison, Treasurer of the A.T.S.A. Board, to acquaint himself with the fact that two such loans have been made this year. This loan and all other loans are acted on by a standing faculty committee.

For the enlightenment of the Student Body, Mr. Editor, where did you get your information?

Incidentally, the A.T.S.A. Board is wholly in accord with the amendment which will be submitted to a student vote by petition Monday and Tuesday of this week, and it urges every member of the Student Body to sign.

(Signed) Richard Vandekieft, President,

A. T. S. A. Board

(Our answer printed on page 2)

Physics Lab to Feature X-Rays

Discharge tubes, high vacuum pumps, and x-ray equipment will be featured in the new second floor advanced physics exhibits at Open House this year. These exhibits, according to Dr. Thompson, head of the department, will enlarge on the principles shown in elementary experiments in the regular sophomore laboratory. Other demonstrations in the new division of the work will demonstrate optical equipment and wave phenomena.

This year's first floor exhibits will include the popular experiments of previous years. The stroboscope which has proved so fascinating in the past will again be demonstrated. Liquid air will solidify mercury and make rubber balls crack when hit. Gyroscopic action, polarized light, and fluorescence, will be shown along with new exhibits on air flow and electromagnetism.

Hold S.A.M. Business Meeting This Friday

Next Friday at 10:30, the Society for the Advancement of Management, will hold an important business meeting. The meeting to be held in Room 2E in Student Union, will serve the purpose of forming the steering committee for the remainder of the year and for the beginning of the fall semester. This committee, in addition to arranging the program for next year, will serve as the nominating committee for next year's officers.

Last Friday and Saturday the annual national convention of the society was held at the Stevens Hotel. During the two days the several sectional meetings touched on almost every phase of management. These panel discussions were participated in by several of the members of the Armour branch. Professor H. P. Dutton was intimately connected with the formation and consummation of the plans for the convention.

Last Tuesday the Armour branch sponsored an inspection trip through the plant of Bauer and Black. Although the trip interfered with many laboratory periods at Armour, the turnout of members was gratifying.

Rise in National Ratings Show Armour Frosh as Ranked in Upper Fifth

Armour's freshmen have just been found to rank in the upper fifth among 355 schools. This fact comes from the American Council of Education, where the September psychological exams were sent. The results have just come back to the educational testing department, and have been released by its director, Dr. W. C. Krathwohl.

Last year the class of '41 placed Armour in the upper quarter, while the class of '40, the first class to take the exams, landed just in the upper half. This rise is partly due to the selection of the best entering students from all those who apply, and also to a change which has been made in the exam itself. Last September's exam had a sub-test on number relations added to it. Since engineering students are known to do better than liberal arts students on tests of this sort, the addition gave the freshman an advantage the other two classes had not enjoyed.

Spencer's New Book On Analytical Geometry Uses Three Dimensions

An unusual approach to the subject of analytical geometry is a book "Visualizing Analytical Geometry" by Prof. W. A. Spencer of the Armour faculty. The book, recently published by the Ortho-Vis book company, is printed in two colors in such a way that the illustrations stand out in three dimensions when viewed through special colored spectacles. This principal makes it possible to present the subject without use of elaborate and expensive models.

Already noted for his work in the design and construction of ingenious geometrical figures in three dimensions, Mr. Spencer is well qualified in this phase of mathematics. His models made from transparent and vividly colored plastics have attracted much attention at recent mathematical exhibits in the Chicago area.

Students Sign the A.T.S.A. Petition Now

C. B. Randall of Inland Steel Addresses Students Tomorrow

Organic Lab Plans For Open House Near Completion

Last week the organic chemistry department announced a tentative program for Open House. Development of the suggestions made up by Drs. Manley and Wasley has been entrusted to a committee of three consisting of Albert Furch and Albert Sanowksis under the direction of Roland Jaekel. It will be their job to assign the various projects to interested parties. To date their assignment of projects is almost completed.

The field of organic chemistry has established itself as a mainstay in the world of industry. Its importance in the field of medicine and food and dyes is of long standing. Its importance in the fields of construction by developing new and better materials with less cost and greater beauty is more recent but equally important.

As in the past it will be the purpose of the organic department's exhibit to tie the theoretical and practical ends of organic chemistry together and show the development of the chemical industry through the demands of the public. It will be built around the theme of "Profit from Molecules." The development and use of new substances for the betterment of society in an economic direction will be the chief purpose.

Among the projects already scheduled to appear are such things as aspirin and sulfanilamide, the medical field. The use of aspirin as an analgesic is well known to all of us. Its synthesis from its simple components should be interesting to those interested in the *hows* and *whys* of a substance. Sulfanilamide has recently leaped to the fore as an excellent specific for pneumonia.

Then for those interested in the new building and creative materials there will be exhibits of polaroid, whose possibilities were shown here at

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Swedish Club Site of Annual Banquet of Honorary Frats

Tonight the honorary fraternities of Armour will hold their annual banquet at the Swedish Club.

Extensive plans have been made by Ed Loutzenheiser, inter-honorary president, to make this occasion even better than in the past. The committee is endeavoring to present a movie, but much red tape must be overcome before a feature picture may be presented.

Reservations have been made for 75 men including President Heald and Dean Tibbals.

Salamander fraternity will initiate pledges, Eugene Worcester, Donald Sunde, and Robert Maxwell, tomorrow at the Sweden House Restaurant on East Ohio Street near the Underwriter's Laboratories.

Paul Hoffman and Tom Yeakle have been busy for the past few days making extensive arrangements in order to present an interesting program to all those attending.

The pledges will be given an opportunity to present the themes which they have been so laboriously preparing for the past few weeks. Many noted Armour graduates now engaged in fire protection engineering will be present to give advice and welcome the new pledges into the fraternity.

Chi Epsilon initiated John Balsewick, Donald Mackey, and Arthur Pedersen, junior civils, in their rooms last night. Following the initiation, a banquet was held in the Student Union, and a theatre party followed. The initiation was attended by a number of alumni and faculty members.

Tau Beta Pi Will Hold Public Pledging

Mr. Clarence B. Randall, vice-president of the Inland Steel Co., will address the student body at a public assembly, tomorrow at 10:30. Mr. Randall, who is an excellent public speaker, is a graduate of Harvard. He was graduated with honors in 1912. His first position was with the Cleveland-Cliffs Iron Company at Ishpeming, Michigan. Mr. Randall first became connected with the Inland Steel Co. in 1925. In his present capacity, Mr. Randall's work includes the supervision of coal mines, iron mines, limestone quarries, and vessels in addition to other administrative duties.

In addition to his work with the steel company, Mr. Randall is quite active in civic affairs. At the present time he is a Trustee of the University of Chicago. For the two successive campaigns of 1934 and 1935 he was Vice-Chairman of the Campaign Committee of the Chicago Community Fund.

Sponsored by W.S.E.

This meeting is the first of a series to be sponsored by the newly re-organized Western Society of Engineers. The Society which is being run by a Board of Managers consisting of two members from each engineering department, is planning a series of meetings in order to present speakers from the various branches of engineering. At a recent meeting of the Board of Managers, Donald Mackey was elected president of the Society. George Frost was chosen vice-president, and Francis Opila was elected secretary. The office of treasurer was filled by Frank Slavin.

Tau Beta Pledging

Before the talk Tau Beta Pi will hold their regular public pledging. The candidates for Tau Beta Pi will be introduced by Professor Spears who will read the names and activities of the various candidates. This will be followed by the tapping ceremony.

The Western Society of Engineers is an all inclusive society embracing all branches of the engineering profession. A series of meetings are held by the parent organization in their rooms in the Engineering Building every week. Subjects ranging from the "Use of Phosphates" to "Circuits in Telephone Switchboards" are being given this week. Two junior memberships are given by the parent organization every year to the seniors who have been outstanding. The awards are based upon scholarship and school activity, in addition to the work done in the student organization of the Western Society of Engineers.

Fraternities to Vie in Vocal Jive

Junior Week activities are rapidly coming to a head with fraternities, departments, and individuals feverishly working on fantastic and momentous schemes in secret spots about the campus. Agitation from the junior mechs has produced the hoped for response and an inter-departmental skit-fest is a definite probability. The contest took on a true competitive aspect when Dean Tibbals offered to award a cup to the best departmental stunts.

Judges for the main events are in the process of being selected. The intrafraternity pageant, always a prominent event, will be observed and the skit chosen by Dean Tibbals and Professors Huntley, Paul, Seegrift, and Thompson.

Fraternity members who are busily engaged in vocal articulation will be interested in the choice of Mrs. Orcutt and professors Leigh and Winston, as critics-in-attendance at the Intrafraternity sing Thursday evening, May 11, in the student union. Dancing will follow the combined concert-sing.