



A.T.S.A. Board Selects Coach Weissman Student Union Head

Two Student Managers And Five Assistants Will Aid in Union Rule

At a meeting held last Wednesday, the Armour Tech Student Association chose Bernard "Sonny" Weissman, popular wrestling and boxing coach, as manager of the new Student Union. The plan for operating the Student Union, as approved by the A.T.S.A., calls for a managerial staff, consisting of one manager, two assistant managers, and five student assistants. This staff will be made up of students and perhaps one faculty member. Along with this group a Student Union Board will govern the policies of the Union. This board will be composed of one student from each class, two Co-ops, one graduate student, and one "Night Hawk." The responsibility of executing the policies of the board rests in the hands of the manager.

Mr. Weissman says that he will do all he can to induce the maximum number of students to take advantage of the Union. The board members will be selected by the A.T.S.A. in the near future.

Approve Budget

An A.T.S.A. budget for the college year 1938-1939 has been approved by the Board of Control of the Institute. The budget was made up by a committee composed of R. N. Vandekieft, president of the A.T.S.A., John Schommer, athletic director, and Geo. S. Allison, treasurer of the Institute. At the meeting, Wednesday, the A.T.S.A. accepted the budget as submitted by the budget committee.

Cafeteria Moved

The budget, which appears elsewhere in this issue, is based on the anticipated enrollment for the full college year. If the enrollment is materially different from that expected, it may be necessary to revise the distribution of the income.

Although all of the equipment has not yet arrived, the cafeteria was moved into the Union Building over the week-end. The old tables are being used temporarily pending delivery of the new pedestal type tables. The school store now resides in its new location and the student cloak room is in full operation. Due to a delay in the delivery of furnishings, it was not possible to open the entire building this week.

Armour is Host To Alumni at Homecoming

Armour's alumni will be welcomed back to their alma mater this Friday, December 9, as they assemble for the annual Home-Coming. Dr. George L. Scherger, for thirty years professor of history at Armour, will be the guest speaker at the dinner to be held in the newly remodeled Union, where he was assistant pastor in its early days.

The recent completion of the new Union has made it possible for this event to be held on the Armour campus for the first time; it is planned, however, to make this gathering an annual event at Armour.

The Home-Coming will begin in the afternoon, with all departments of the Institute and Research Foundation operating on regular schedule. The alumni will thus be given an excellent opportunity to see the changes and improvements which have been inaugurated. Between 5 and 6 p.m. there will be a reunion in the new Student Union, enabling the alumni to meet many old friends as well as all of the faculty and Research Foundation.

Dinner will be served in the dining hall of the Student Union at six o'clock, after which alumni will hear Dr. Scherger and the other speakers of the evening.

Prof. Karl Menger To Speak Thursday Internationally Famous Mathematician

Public lectures sponsored by the graduate division have attracted much interest in the last few weeks not only from graduate students but from the student body as a whole. The speakers have been outstanding men in their fields and the talks have proved extremely popular with undergraduates because of their common sense presentation.

This Thursday's meeting in 105 Chapin at 4 p.m., will present Karl Menger, professor of mathematics at the University of Notre Dame, and formerly of Vienna. He will speak on "The Foundations of Geometry."

Professor Menger is considered by many authorities to be the most brilliant of the worlds young mathematicians. In addition to his many important books and papers, he is responsible for the modern theory of dimensions. He is also known as an extremely apt and entertaining speaker.

Professor L. R. Ford, director of the mathematics department at Armour, urges all students to attend this lecture which is open to the public.

Research Department Inspects Laboratories After Dinner Meeting

Yesterday, the Board of Directors of the Research Foundation and the Executive Committee of the Institute held a joint meeting at the Foundation. After the meeting they proceeded to inspect all of the laboratories and equipment of the Research Foundation.

The joint meeting started at 11:30 and at 12:15 all of the board members and the entire research staff had luncheon in the new Student Union. Following this, the laboratory inspection trip took place.

The tour took the members of the board to many places of interest. Among them were the chemical annex, where Dr. Manley and Dr. Godwin are working on rubber; the materials' testing laboratory, Professor Carpenter's metallography laboratory, and the automotive laboratories which are under the direction of Professor Roesch. Other laboratories were the old ice lab, where work on combustion, high steam pressures, and refractories is taking place, and the regular laboratories in the Research building.

'Night Hawk' Association Sponsors Set of Movies Shown Before Students

Watching the "Night Hawk" sponsored movies shown in Science Hall last Saturday afternoon, both day and night school students were amazed at the gigantic proportions of the Golden Gate Bridge as pictured in "Bridging A Century" and at the unusual aspects of the objects caught in flight by the M. I. T. high speed films shown.

The bridge movie showed the various unusual features of the bridge. Among them were the big piers, great height, and the details connected with the spinning of the cables that support the bridge.

The high speed films from M. I. T., which were taken at rates up to 6000 frames per second, made visible the actions of fast-moving objects in flight and at the moment of impact. The objects photographed were varied and included the actions of a cat in righting itself when dropped, smoke going through an electric fan, the splash formed by drops of water and milk, the flight of a fly, and the effects of smashing an electric light bulb.

In the near future a color movie on the production of steel will be shown. This promises, because of the color and the nature of the material, to be one of the best shown yet.

ARMOUR TECH STUDENT ASSOCIATION BUDGET APPROVED BY BOARD OF CONTROL FOR THE COLLEGE YEAR 1938-39

Income—Student Activity Fees	\$17,298.00
Baseball	\$1,200.00
Basketball	1,400.00
Blanket Awards	200.00
Boxing and Wrestling	450.00
Directors and Coaches	4,200.00
General Expense	500.00
Golf	375.00
Intramural	100.00
Musical Clubs	500.00
Rifle Club	185.00
Swimming	300.00
Tennis	350.00
Track	800.00
Track Relays	700.00
Cycle	3,200.00
Armour Engineer	1,700.00
Armour Eye	150.00
Reserve	16,310.00
	988.00
	\$17,298.00

Soil Problems Discussed by Dr. Terzaghi

Approximately 250 persons heard Dr. Terzaghi, noted authority on soil mechanics, speak last Thursday night in the new Student Union dining hall, on the fundamental principles of soil mechanics as applied to excavating, subway tunneling, and dam foundations.

Dr. Terzaghi has long been known as a pioneer in the soil mechanics field. He was born in Vienna, Austria, and at the present time, his official residence is in that city. He has held professorships in a number of great colleges and universities, including M.I.T. and the University at Prague, Czechoslovakia. A number of articles and publications as well as a few books have been a part of his contribution toward the development of the subject of soil mechanics. He is a member of the American Society of Civil Engineers, and has been honored a number of times for making original advances in his field.

Dr. Terzaghi's talk was of great interest to most of the men present because it dealt with a subject which they know is becoming an important one. The majority of the guests present were professional men.

(Continued on page three)

Co-ops Elect New Officers

Co-op club officers for the year 1939 were elected in a turbulent session of the A group last Thursday in science hall. The meeting was the last in the present school term which ends this Friday. Guest speaker on the program was T. W. Yeakle, senior fire protect, whose subject was "The Co-op and the Honorary Fraternities."

Those elected were Frank Heidenreich, president; Kenneth Olson, vice president; Victor Shell Schmidt, secretary and Walter Meyers, treasurer. The retiring officers are Birger Johnson, Mike Larinoff, and John Kucera. Meyers succeeds himself as treasurer.

Yeakle presented a comprehensive summary of the co-op situation at Armour from an activities standpoint. He expressed the view of the regular students in general that co-ops make desirable members in school organizations and urged greater interest on their part.

"Membership in departmental honorary fraternities at Armour is based on scholarship and activity within the department," said Yeakle. "Organization honoraries, such as the literary and musical fraternities choose men outstanding in the associated activity, while Tau Beta Pi considers both scholarship and activity participation when selecting candidates." Yeakle stated that it was not at all impossible for co-ops to engage in extra-curricular activities, and cited several organizations which contain co-operative students.

Retiring president Johnson explained to the members that the co-op dance which was to take place this Friday could not be held because of an unfortunate conflict with the senior dance on Saturday.

Schommer Tells of Placement Progress In Recent Months

Students and Alumni Will Derive Equal Benefit

Under the leadership of personnel director John J. Schommer a renewed drive for placement has been undertaken. Professor Schommer was appointed in September to carry on the work of William N. Setterberg, who has taken over the duties of registrar of the evening division.

In a letter received recently by the *Armour Tech News*, Professor Schommer wrote:

"The graduating class of 1939 will have the benefit of this new department. It is hoped that the seniors of this coming graduating class will appreciate the opportunity that will be offered by leaving with the department a complete history of themselves up to the time of graduation. The questionnaire submitted to seniors of the class of '39 should be filled out conscientiously; the photograph requested should be attached at the time the form is turned over to the placement department. Later, as the graduate gains in experience and has broadened his scope, the placement department should be advised of his achievements. As an example of not having records full and complete, let me tell you of a difficulty this department faced a short time ago. We had on file one or two openings which carried a salary

(Continued on page three)

Players Present Journey's End As First Production

Journey's End is to be presented by the Armour Players on Friday evening, January 6. The evening has been chosen rather than the day because the play will last two hours and will make up a full evening's entertainment. The play will be followed by dancing to the music of Don Charlton and his orchestra of Armourites. The entire Student Union is to be turned over to the guests of the players after the dance. The lunch room will be open so that those desiring refreshments may have them.

M. G. Christophersen, a writer and the director of Armour's new radio series, is the director of the play. He has written several books and wrote a column of theater criticism for the *Rockford Journal*. The cast consists of the following: B. R. Sternfeld, C. McAleer, R. O. Nerhus, L. Epstein, R. I. Jafice, T. A. Hunter, R. L. Hanneman, S. S. Silverman, A. G. Hansen, J. W. Duncan, and C. H. Schultz.

The play, an outstanding war drama with which all Armour students probably are familiar, is an extremely difficult undertaking, but is being handled in fine fashion by Armour's players. Mr. Christophersen, in presenting his first Armour production, has chosen a play which no one can afford to miss.

Tickets are now on sale for the nominal charge of fifty cents per person. They may be purchased from any member of the Armour Players.

'First Nighter' Will Inaugurate Social Season in Student Union

Progress Made In Furthering W.S.E.'s Scope

Definition of the reorganization of the Armour branch of the Western Society of Engineers has been taken in the form of an address by Mr. E. Keith, secretary of the parent society, to the officers of all the departmental societies last Friday in 220 Chapin. In the course of the lecture Mr. Keith attempted to bring out the advantages of the Western Society of Engineers as a parent society over a purely civil engineering society at Armour.

"Fundamentally," said Mr. Keith, "the Western Society of Engineers has never been restricted to what is now understood as civil engineering. We still hold to the English interpretation that there are but two branches of engineering: military and civil." "However," continued Mr. Keith, "as engineering became more specialized, divisions were made under the general organization until today there are eight classifications included in its organization. Further, the various grades of membership, full, associate, and junior, have periodic meetings of general engineering interest."

It is the aim of the present members of the Armour branch of the Western Society of Engineers to

(Continued on page two)

'Helium' Is Second Radio Broadcast

"The Story of Helium," second broadcast in the new radio series, revealed the fascinating history of the discovery of helium and its applications to our everyday life.

Noted first on the sun in 1868 by Jansen, the French astronomer, by means of the first spectrographic analysis of the sun in eclipse, helium was yet to be unknown on earth 27 years after this first indication of its existence. Even after it was discovered on earth by Hildebrand, helium was mistakenly thought to be hydrogen so that it was not until 1895 that helium was isolated, and recognized as a new substance and reconciled with the element noted on the sun.

It remained for the world war to create a demand for the new substance. In 1916 the race of the nations to obtain helium began, but it was found only in minute quantities, the result being prohibitive prices. In the United States, however, great quantities were available. The U. S. Dept. of Mines instituted experimental plants for the isolation of helium and has since prohibited its export to "warring" nations.

Thus, it is that balloon passengers in the U. S. know that they travel safely, the non-inflammable helium gas being their insurance. A gas has virtually been brought 90 million miles to be of service to mankind through the scientist.

Saturday's program, "Power," will be concerned with the transmission of power over great distances.

Teachers College Invites Armour to Another Social

Once more have Armourites been invited to an afternoon dance by the social committee of the Chicago Teacher's College. The occasion is the annual Christmas Dance and will commence at 3:30 p.m. this Friday. The committee promises a gala affair with an atmosphere of seasonal decorations and syncopation by that admirable band which played for the previous dance.

Students are urged to secure their tickets (which are free) in the Registrar's Office before the limited supply is exhausted. No one is to be admitted without a ticket.

Seniors Select Charlie Gaylord to Supply Syncopation

AWARD RADIO FRIDAY

Armour's newly opened Student Union will be the scene of much gaiety next Saturday evening at the "First Nighter" which is scheduled to begin promptly at 9 o'clock. It is the first Armour dance ever to begin at this time. The occasion, as most of you have been informed, is to be the first class dance of the school year, and is sponsored by the senior class. As a fitting celebration to the occupancy of the new Union, a large crowd will gather in the new ballroom to give the smooth floor its first trial.

If advance sales of bids are any indication of the popularity of a function, it would seem that just about every one will be there. Student opinion seems to be that each man wants to bring his lady friend down to see the new edifice, however, the size of the dance floor being what it is, there should be no crowding at all.

Streamers and Balloons

Of course, one of the feature attractions of the affair will be the orchestra. On this occasion the music makers will be none other than Charlie Gaylord and his ten masters in the art of sweet swing. If there are still some of you who like to swing out with the best of them, and have not yet purchased your ticket, there are still a few to be had in the Registrar's Office, or from any of the following seniors: B. G. Anderson, W. D. Chapman, Tom Collier, I. M. Footlik, Russell Kotal, E. C. Mitchell, or Sid Moculeski.

Plans for the decorations are to include an abundance of paper streamers, colored balloons, and stage effects. The new overhead lighting unit in the assembly hall will come into good use at the dance, as the indirect portion of the lighting will provide any desired amount of light of several different colors. In this way, the effect of moon-light or broad day-light may easily be had.

Following the practice which has become established here at Armour, the committee, headed by Bolton Anderson, has decided to give a bid without any charge, to any member of the student body who sells eight bids. The bids for the dance, costing the sum of \$1.50, are made of black paper with raised gold letters on the outside to bring in the school colors. This contrast in color presents a very pleasing picture to the

(Continued on page four)

Glee Club, Orchestra Arrange Program for Christmas Concert

With the remodeled Mission building providing the setting, the Armour Musical Clubs will present their annual Christmas Concert on the morning of Friday, December 16. A special invitation is being extended to all mothers and sisters of the Armour student body to attend the concert. After the concert the guests will be afforded a splendid opportunity to enjoy and inspect the facilities of the recently completed Student Union building.

At the request of the management of the Art Institute, the combined Musical Clubs presented a very successful concert before a large audience last Wednesday afternoon, November 30, in the foyer of the Institute. This was the Club's second appearance at the Institute.

A special invitation has been extended to the Musical Club to present a concert of Shawnee Country Club, Sunday afternoon, January 15. Following the concert, tea will be served and dancing facilities will be furnished for an enjoyable social evening.

Members of the Armour Musical Clubs have been enjoying many of the recent operas at the Civic Opera building. A center box was presented to the group by the Civic Opera Company early in the semester.