



New Student Union to Fill Long Felt Need of Armour Men

Mission to Be Ready October 15th Student Lunch Room Entirely New

Remodeling of Mission Building which was started during the summer is progressing rapidly with all the basic changes already made. Unofficial estimates place the completion date somewhere in the middle part of October. When completed the Mission Building will be the center of all student activity, the official building of the Student Union which was overwhelmingly approved in a special vote last spring by a 5 to 1 ratio.

Most of the changes are in interior remodeling. The exterior of the building will remain the same except for a new entrance from Federal Street and a new one story brick addition at the south end of the east wall of the building. The addition will house the new kitchen serving the Dining Hall. The exterior architecture will remain the same.

Interior Completely New

The interior however has been extensively changed so that the new arrangement will scarcely be recognized as part of the old. The complete details of the entire building are as follows:

The ground floor will be entirely different except for the faculty club. The space formerly occupied by the cafeteria, the kitchen, the Faculty Grill, and that portion of the long hallway parallel to these three rooms is now the new Dining Hall, a rectangular room 50 feet wide and 80 feet long. In addition there will be two smaller dining rooms accessible from the Dining Hall through connecting doors. One will be used by the faculty and the other for special occasions. The interior decoration of these smaller dining rooms is expected to make them very popular with the whole student body.

New Entrance to Book Store

The new Book Store will be in the same location but the former store proper and the public space will be reversed. The door which has been used as an entrance to the Book Store will not be open to the students but will serve, instead, as a receiving door for store supplies. Students wishing to enter the Book Store from Federal Street will enter the building at the new entrance and proceed down a short passageway to a new door in the south wall of the store. Another door in the east wall will make the Book Store readily accessible to students entering the Mission (Continued on page four)

Entering the spacious Dining Hall of the new Student Union, now nearing completion, the Armour student will be confronted with the acme in modern dining comfort. The Dining Hall will have space for sixty-five tables, and with four chairs at each table the seating capacity will be two hundred and sixty students.

A well-equipped counter will be placed along the east wall. Directly in front of this will be a modern service counter which will display a variety of hot and cold foods from which the student may select to suit his taste. The service counter, which will be about forty feet long, will include a soda fountain and will have provisions for the rapid service of the coffee and milk customers. Conveniently located at the exit end of the service counter will be a water cooler and a glass rack.

A brick addition to the Mission Building is being built which will connect with the Dining Hall and will house the thoroughly modern kitchen. A forced ventilation system will maintain the air in the Dining Hall at a slightly higher pressure than the air in the kitchen. This will tend to confine odors to the kitchen.

Air Changing Continuously

Two blowers and one exhaust fan will change the air in the Dining Room ten times every minute. The blowers will draw in air from the outside, heat it to room temperature and circulate it in the hall. The ventilating equipment for the kitchen is designed to change the air twenty times a minute.

The service counter is to be uniquely illuminated by means of ten fixtures recessed into the ceiling. A diffused lighting system will illuminate the rest of the Dining Hall.

The walls and ceiling of the Dining Hall will be decorated so as to complement the red of the cement floor.

Two Small Dining Rooms

Also on the first floor of the Student Union will be two smaller rooms suitable for dining rooms. The one to be located in the northeast corner will have a seating capacity of fifty persons. The other room, to be located just north of the Faculty Club, will seat about thirty-two persons. The latter room, which will be finished in knotty pine, will probably be reserved for special occasions. The larger of these dining rooms will very likely be used by the faculty.

De-pantsing Taboo! Green Hats to Be Worn Until Thanksgiving Holiday

In order to solve the green cap problem here at Armour, the institute officials have found it necessary to eliminate entirely the sophomore pastime of de-pantsing.

Early this year there will be a meeting of the A.T.S.A. to decide on the method of handling the problem to the satisfaction of everyone. There have been several complaints, in the past few years, that have come as a result of personal injuries or damage to property, especially clothing. In addition there have been several rather embarrassing situations created as a result of men running around minus their trousers. The impression which a visitor takes home from the school is hardly enhanced by the sight of masculine legs striding unclad across the campus.

One of the primary problems in this case is to get the freshmen to see the value of wearing green hats. New men have heard the tradition of hazing preached from many sides. Consequently, when they come to Armour they almost always have a fear of speaking to another man for fear that he may be a member of a higher class and will therefore give a degrading answer to a question. While this attitude is not necessary, it does exist. As a general rule, the upperclassmen are only too glad to help the new men, for in that way they get to

brush up their minds on old problems and also they can show off their intelligence.

In order to enable the freshmen to get started with a minimum of discomfort they have been required to start wearing their green hats shortly after the opening of school. They serve more as a means of identification than anything else. This year there is to be no hazing attached to green hats at all. It generally happens that the first year men are well acclimated by the Thanksgiving vacation, therefore, after that time green hats are not to be worn.

This year the "pot" will not be worn again in the spring. The institute officials feel that it will have served its purpose by the Thanksgiving holiday, and may be discarded after that time. By taking this action the directors hope to eliminate the usual spring battles when most of the damage occurred.

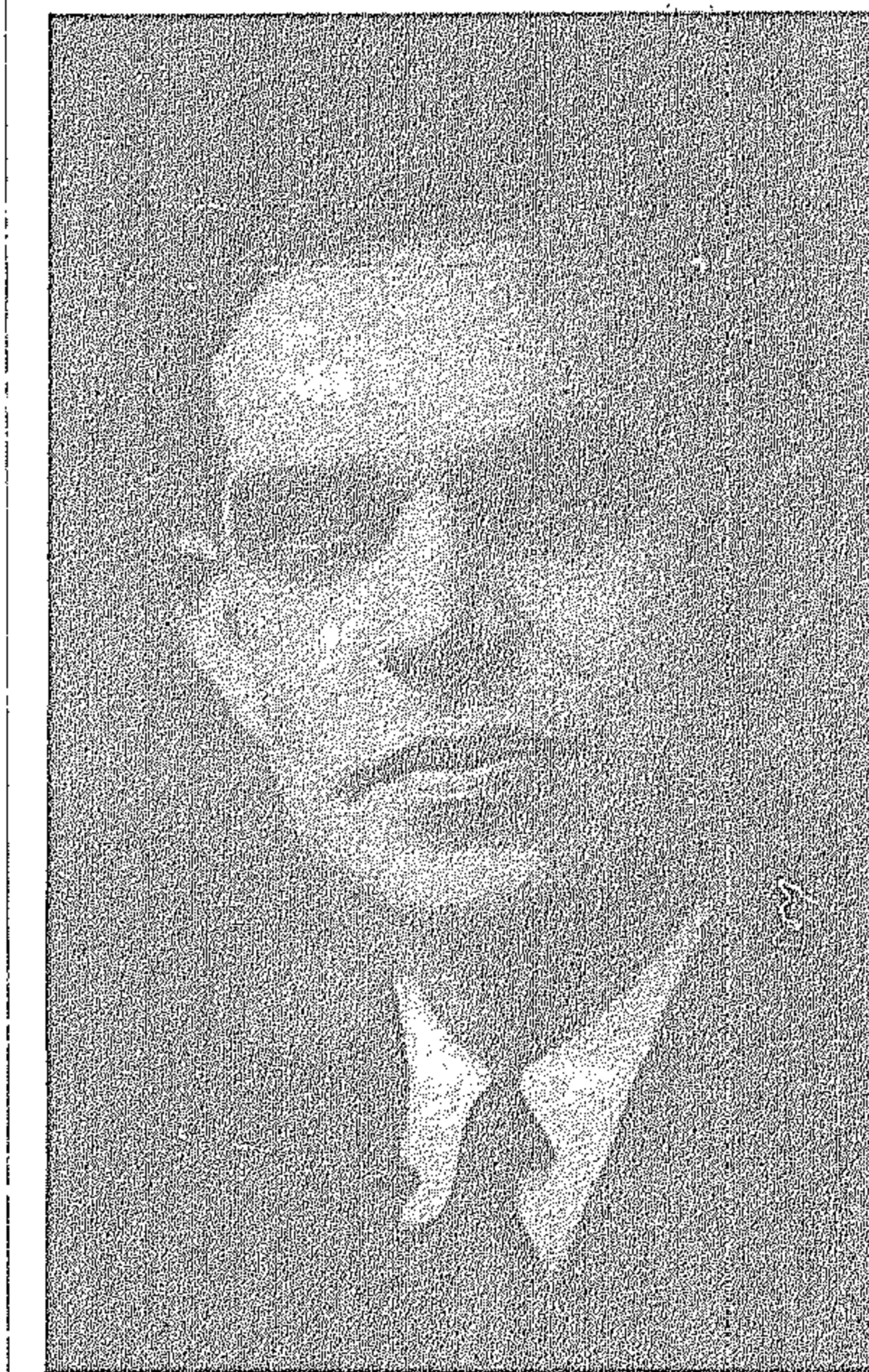
The green hat problem has long been a thorn in the side of many men at the institute. There have been several accidents and consequent wrangling over the question. In order to retain the green hat idea, rather than total abolishment, and still keep student activities at a normal level, the officers have adopted this plan as a solution.

WELCOME TO ARMOUR

Armour Institute of Technology has been educating young men for the professions of engineering and architecture since

1893. During these years, thousands of young men have entered its portals and found here an educational experience which has adequately prepared them for American citizenship. To the members of the Class of 1942, we extend a cordial welcome and an invitation to join with your predecessors in sharing the privilege of the type of technical education which has become an Armour tradition.

This year finds Armour with an augmented faculty and an improved plant, better prepared than ever before to offer you a real educational service. We feel sure that you possess



PRESIDENT HEALD

the intellectual abilities and personal qualifications which will enable you to take advantage of these opportunities, and we wish you the greatest success in your work here as well as in the work you will do after your course at Armour has been completed.

HENRY TOWNLEY HEALD.

Ten One-Year Scholarships Given to High School Graduates of '38

The awarding of ten one-year scholarships has been announced by Dr. C. A. Tibbals, chairman of the scholarship committee and Dean of the Undergraduate College of Armour Institute of Technology. The awards were made to graduating male students of June 1938, from accredited public and private high schools in the United States. Nine of the awards were to candidates in the Chicago area. The winners and their high schools are as follows:

Joseph Bidwell, Lane; Frank M. Branner, Jr., Tilden; Richard J. Dunworth, Morgan Park; Arthur Harban, Oak Park; Gregory D. Hedden, Hyde Park; George E. Hoff, Waukegan; Lester C. Hogan, Jr., Great Falls, Montana; Gustav W. Staats, Oak Park; Hans J. Steinberger, New Trier; Thaddeus Zielenksi, Lane.

These scholarship awards, which

provide free tuition (three hundred dollars) for the academic year 1938-39, were made upon a rating determined by competitive examination, and by consideration of the personality, the scholastic record in high school, the extra-curricular activities in high school, and the general fitness of the candidate. The examination, in all, consisted of (1) a personal interview with a member of the committee on scholarships; and (2) a written examination in mathematics, physics and chemistry, and English. There was no separate examination in English—the candidate's ability in expression was judged by means of the personal interview, and by a short essay prepared in connection with the written examination in chemistry and physics.

Three hundred and forty-five (Continued on page four)

L. M. van der Rohe to Head Armour Architectural School

English Electives Offered In Writing and Government

This semester the English Department is offering two new electives, Planned Societies, Eng. 309, and Advanced Writing, Eng. 209.

The first is open to juniors and seniors only. The entire semester will be devoted to a careful study of totalitarian societies, from the ancient Greek to the modern planned societies, such as those of Russia and Germany. The class will meet twice a week, under the tutelage of Professor Walter Hendricks.

Advanced Writing is open to men who write or desire a position on the staff of one of Armour Tech's publications. The aim of this course is to improve journalistic and creative writing abilities. The class will meet at intervals for conferences and instruction with Professor Hendricks.

Both courses carry two hour credits. Further information may be obtained at the English Department office on the third floor of the Physics Building, second entrance.

Recent Director of Famous School In Germany

President Henry T. Heald recently announced that Ludwig Mies van der Rohe, world famous as a founder of the modern architecture, has joined the faculty of Armour Institute of Technology as Professor and Director of the School of Architecture. Mies van der Rohe, who is already acquainted with the United States, has just returned from Europe to assume his new duties in Chicago.

"We are indeed fortunate," said President Heald, "that we are able to obtain such a brilliant architect to head our school of architecture—a man who, by his own efforts, has made himself one of the most prominent creators of modern architecture of our day. His appointment is part of the current expansion program of the Institute and I feel that under Mies van der Rohe's leadership, the Architectural department will develop a significant contribution to architectural education in America."

Create Two Professorships

In the execution of his plans for the department, Mies van der Rohe will have the assistance of the present architectural staff. In addition, two new professorships have been created: a professorship for city planning, held by Ludwig Hilberseimer, and a professorship of visual education, held by Walter Peterhans. Mr. John B. Rodgers is administrator and assistant in design.

Mies van der Rohe was born in 1886 in Aix-la-Chapelle of an old family of stone masons. The handicraft tradition maintained there developed his unusual sense for quality in materials and workmanship. In Berlin he worked under Peter Behrens, whose pioneer work gave impetus to the growth of contemporary architecture, and with Le Corbusier and Gropius, together with whom he later exercised a determining influence upon modern architecture. Association with these personalities (Continued on page three)

Dutton Replaces Freud As Night School Chairman

H. T. Heald, President, Armour Institute of Technology, announced Friday the appointment of H. P. Dutton, Professor of Business Management and Chairman of the department of Social Science, to the post of Dean of the Evening Division of the Institute. Professor Dutton takes over the post vacated last spring by Dr. B. B. Freud who resigned to accept the position of chairman of the section of organic chemistry.

Dean Dutton, at the same time, made announcement of the opening of the Evening Division for the fall term of the academic year 1938-39. Registration, for the eighteen week evening division fall term, will begin on the evening of September 19 and continue through until Saturday afternoon, September 24, with instruction scheduled to begin Monday evening, September 26.

Attended U. of Michigan

Dean Dutton, born in 1885 in Holland, Michigan, attended Hope College and the University of Michigan where, at the latter, he received the degree of Bachelor of Science in 1914. He joined the staff of Armour Institute as a lecturer in management in 1933, and in 1934 was promoted to the post of chairman of the department of Social Science and Professor of Business Management. Since 1937, when Armour Institute of Technology established the annual conference courses for executives of industry, Dean Dutton has been conference course director.

Three types of courses are offered in the evening division. Those are: special courses in engineering and architecture, college credit courses, and graduate courses.

No Prerequisite Necessary

"While the latter two types of courses are familiar to most people," said Dean Dutton, "the special courses in engineering and architecture need a word of explanation. These special courses are offered for adult students who are not interested in a degree, but who wish to secure adequate training in the various branches of engineering and architecture. Such people are not required to have the prerequisites necessary to the college credit courses, but need only to show a mature interest and sufficient technical experience to be enrolled.

Orchestra members will begin rehearsals tomorrow evening at 5 p.m. Please bring instruments. Glee club meets Thursday at 5 p.m. New men invited to attend.

Musical Clubs Render Year's First Concert

Armour's Musical Clubs began, last Saturday, what promises to be a very eventful season. The glee club presented a concert at the Civic Opera House as a part of the program in celebration of Constitution Day. The concert was given at 7:30 p.m. before a capacity audience who filled the huge auditorium to honor the founders of our constitution. Among the numbers were: *Land of Hope and Glory, On the Road to Mandalay, Moonlight and Roses, Old Man River, and Friendship.*

According to Mr. Gordon Erickson, director, indications are that the number of musically inclined students will not only be sufficient to replace the vacancies caused by last year's graduation, but will probably result in an enlargement of the clubs. Until the latter part of October, when the remodeling of Armour Mission will be completed, the clubs will be somewhat inconvenienced by having to rehearse in other quarters. In spite of this, however, they look forward to a varied and interesting year. The number of bookings is rapidly increasing.

Prospective members of the Musical Clubs should be sure to attend the first regular rehearsals, which will be held this week. New and old orchestra members are being asked to bring their instruments to the rehearsal at 5 o'clock Tuesday. Glee club tryouts will be held at 5 o'clock Thursday.

The election of officers for the glee club and orchestra respectively will be held early in the season, probably at the first rehearsals. The officers of the combined Musical Clubs are: T. W. Yeakle, president; G. Danforth, secretary-treasurer; C. W. Reh, manager.

Rush Week Ends Wednesday Eve

Smokers and Dances Entertain New Men

Formal pledging into the eight social fraternities on campus this Wednesday night will climax the fraternities' "rushing program" held all last week.

The fraternities offered a week crammed full of activities for the incoming freshmen.

This year's "Freshman Week" is the result of interfraternity council meetings held all last fall, winter, and spring. So far it has seemed quite successful in that it hasn't interfered with the studies of both the rushees and the fraternity men. However the final test of its success will be seen after Wednesday's pledging smoker.

Also new to the Armour rushing system is the "quiet period," which extends from 6:00 A.M. Sunday morning until today at 12:00 o'clock noon.

During this time there is to be no contact between rushees and fraternity men. Also there is not to be entertaining of rushees by fraternity men from the quiet period until the pledging smoker. This free time will allow the new men to make their own decisions as to their future fraternity without any undue influence being exerted by any group.

Dean, Schommer Greet Freshmen; Stress Athletics

Stress Athletics

Dean C. A. Tibbals welcomed the class of 1942 with a brief talk last Friday morning. He outlined student life at Armour and courses of study for the freshmen. Next he introduced Prof. J. J. Schommer, Director of Athletics, who explained to the class the numerous activities available to the new men. "We need good sportsmanship, cooperation, and the spirit to stick to things," said Mr. Schommer. "I don't care whether you take your exercise here or outside of school, but in any event exercise is essential. I would consider a man wasting his time in college," continued the athletic director, "if he did not benefit by the experience of other men. The reason you are here, is to make something of yourself, to perform a duty to your community and help mankind. If you don't take advantage of these opportunities, consider your time ill-spent."

Mr. Schommer pointed out the sports available at Armour mentioning track, baseball, tennis, golf, swimming, touchball and others. "For men who are interested in literary work, they can join the staff of any of the publications," said Mr. Schommer, "or the musical clubs, chess club, or rifle club."

Finally Mr. Schommer reminded (Continued on page four)

53130

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Keeping Armour Ahead!

Mies van der Rohe and three of his associates have joined the architectural staff of Armour Tech. That the department, by this, has been strengthened immeasurably, there is no doubt. In addition the morale of the architecture students has shot sky high. Merely to look at their faces, flushed with enthusiasm and pleasure, as they stand in small groups talking about their new profs and new program, shows one the effect of van der Rohe's appointment. The department and the school in turn has received new blood and is rejuvenated.

If we look back about half a year, we can see that the same thing happened in the departments of mathematics and civil engineering when Dr. Ford and Dr. Grintner came to Armour as heads of their individual departments. So it has been going: an already great faculty is consistently being made greater.

Progress has gone forth on fronts other than that of the faculty. The research foundation under the guidance of Dr. Poulter has been doing much important work in the border line between pure science and industry, bringing Armour's name and reputation ever higher. The department of public relations under Prof. Morton and Prof. Hendricks' "Armour Engineer" have both helped the same cause. It is significant, but not surprising that these have been the product of recent years—when Armour's renaissance started.

In this city we have a mayor who sponsors a program called, "Keep Chicago Ahead." Just so at Armour we have a program of "Keep Armour Ahead." We can't vouch as to how well Mayor Kelly is keeping Chicago ahead, but we do know that Armour's progress ahead has been sure, steady and forward.

Men of the Class of 1942

You have enrolled in some engineering course in which you are vitally interested. Later in your career, you will find that the time utilized in study during your four years at Armour has proven invaluable to you.

Upon graduation, when applying for a position, you will be promptly asked, Did you attend college? Where? If the personnel manager finds you have a college degree, the chances are you will either be placed on the payroll of that firm or some other very shortly. What do you think your chances would be of obtaining a position with the same firm if you did not have any college education? They would be very slim. Some men often wonder as to the good of an education. In the present day of industrial turmoil, positions are not secure, but the man who has a college degree has less worries than the man without the higher knowledge.

Customs and traditions of college life may seem strange and unusual. You will have more freedom to roam about the campus during your spare hours; no study hall periods to bother you. However, a reasonable amount of home study is necessary and if you don't take advantage of the opportunity to learn all you possibly can, then you are not taking the problem of a college education as seriously as it should be considered.

An engineering school is not all study, but mixes in some sociable affiliations of the social fraternities or the various class events. These events

may be smokers, parties, or dances. Each class holds its own dance; the senior dance being the first of the season, the junior being next and so on down the line. (It is customary to follow this form).

Having many clubs on the campus, you should take advantage of some of them. There is the rifle club which has won many inter-collegiate matches; the orchestra and glee club which have probably the largest enrollment of any other club on the campus; the chess club, the fencing club, the math club, the campus club, the radio club and many others.

In the sports department we have baseball, basketball, golf, tennis, wrestling, boxing, touchball and track; practically every type of sport obtainable.

The engineering societies hold meetings on alternate Fridays to which anyone may attend, whether he is a member or not. Movies are often shown and inspection trips taken to view the actual illustrations of engineering principles. These are a few of the opportunities offered in the form of extra-curricular activities.

The faculty members are intelligent men in their respective fields—human beings like the rest of us. Fulfill your obligations as a student and they will fulfill theirs as educators. If you do, you will never regret your efforts in securing your college degree.

"Know Your Profs"

This column will be devoted to facts concerning the faculty members of the Institute. In this series of articles, we hope to enlighten you about outstanding events in their careers.

MR. HEALD

In 1927, a soft spoken, mild mannered young man—he was only 23 then—came to Armour Institute to take up the duties of an assistant professor in the department of civil engineering. Today at the age of 34 that same man is the youngest president Armour has ever had.

Henry Townley Heald received his undergraduate training at Washington State College where, in 1923, he was awarded the degree of Bachelor of Science in Civil Engineering. In 1925 the University of Illinois conferred upon him the degree of Master of Science in Civil Engineering.

From the time President Heald received his first degree until he came to Armour Institute in 1927, his training was not as an educator, but as an engineer in field work. During this period he was employed as an assistant engineer in the U. S. Bureau of Reclamation, worked in Chicago as a bridge designer, and put in a full year, 1926-1927, as a structural engineer on the Board of Local Improvements for the City of Chicago.

Mr. Heald occupied the positions of assistant professor until 1931, associate professor from 1931-1934, and professor since 1934. Between 1931 and 1938 he served as assistant dean, dean of freshmen, and finally as dean of the undergraduate college.

When former president Hotchkiss resigned the presidency Mr. Heald was first elevated to the position of acting president and then to the presidency.

MR. TIBBALS

It is rumored that at the tender age of eight, C. Austin Tibbals, present dean of the undergraduate college at Armour Institute swallowed a few aspirin tablets. It has been further suspected that the exhilarating feeling which he experienced immediately thereafter had much to do with his choosing chemistry as his life work.

Dr. Tibbals spent his first three undergraduate years at Columbia and then transferred to the University of Wisconsin where in addition to obtaining his A.B. and A.M., degrees in rapid succession he held the rank of instructor in chemistry from 1902 to 1906. In 1908, having obtained his Ph.D. he joined the staff of Armour Institute to serve as assistant professor in chemistry until 1918.

During the war, Dr. Tibbals served in the United States army as captain in the Ordnance division, where he was fundamentally engaged in research on high explosives, and projectile loading. He returned to the Institute in 1919 as associate professor of Analytical Chemistry and in 1928 he was promoted to full professorship in the same department.

In September of 1936 Dr. Tibbals received an appointment as assistant dean of the undergraduate college and in 1937 became associate dean. Last June saw his official promotion to the office of Dean of the Institute's undergraduate school. Recreations?—sure—golf, fishing, and camping out.

When asked his hobby he replied jokingly: "What—with a fourteen hour work day?"

The Slipstick

Cleave to the slipstick; let the slapstick fly where it may.

NOTHING IS TOO GOOD FOR THE READERS OF THE SLIPSTICK, WE ALWAYS SAY. SO WE MODESTLY BLUSH TO REPORT THAT HENCEFORTH WE WILL STEAL OUR STUFF FROM ONLY \$5000 A WEEK COMEDIANS!

The little dog ran all over the street. Along came a steam roller. The little dog ran all over the street.

I stepped into the barber chair . . . there was a sign on the wall saying: SHAVE FIFTEEN CENTS AND A QUARTER. I said to the barber: "What's the difference?" He said: "With the quarter shave you get bandages." Just then a bald headed man streaked in, whipped off his toupee and yelled: "Give me a haircut and a shampoo—I'll be back in half an hour!"

North: I bid one Heart.
East: I bid a Spade.
South: Two Spades.
West: Bye.
N.: Three Hearts.
E.: Three Spades.
S.: Four Hearts.
W.: Bye.
N.: Five Hearts.
E.: Five Spades.
S.: Six Hearts.
W.: Bye.
N.: Seven Hearts.
E.: Seven Spades.
S.: Double.
W.: Bye.
N.: Bye.
E.: Redouble!
S.: Okay, West, you're dummy. Lay down your hand.
W.: Er . . . there must have been a mistake. . . I don't have any cards.

The screwball marched into the barber shop and parked himself in the first empty chair. "Haircut," he ordered. "Just a light trim." "Yes, sir," said the barber. "But would you mind taking off your hat?" The screwball turned around. "Why?" he countered. "What do you expect to see?"

I sneezed a sneeze into the air, It fell to the ground I knew not where; But hard and cold were the looks of those In whose vicinity I snoze.

"Hey, what's the big idea, painting your car red on one side and blue on the other?" "It's a great idea. You should hear the witnesses contradicting each other."

"I'm about all in," said the worm, as the chicken took another gulp. . . and that's mutual.

STERNO.

Architectural School Held at Art Institute Despite Other Reports

The school of architecture of Armour Institute of Technology, according to announcement made last Friday by H. T. Heald, president, will begin activities today in its quarters in the Art Institute of Chicago—quarters which have been used for this purpose since the inception of this important division of Armour Tech.

"The curriculum of the school of architecture at Armour Tech," said President Heald, "is so arranged that the technical studies are given in the mornings at Armour Tech's south side campus, and the drawing and solely architectural study given in the afternoons through the facilities provided at the Art Institute. Through this association the student architecture has at his disposal the scientific equipment and staff of Armour Tech as well as the extensive and rare collection in the Museum of the Art Institute and the facilities of one of the greatest architectural libraries of the world, the Burnham Library.

"Throughout its existence," said President Heald, "the school of architecture has been housed in the Chicago Art Institute. The Art Institute has given the school its influence and encouragement, and has always cooperated with Armour Institute of Technology in making the school a success."



IN THE PICTURE DEPT.:

Put your 40 cents on "Sing You Sinners" for a cinch win. It's a zippy comedy dealing with the doings of the brawling betting Beebes. Bing Crosby, Fred MacMurray, Ellen Drew, (a new lovely-to-look-at), Donald O'Connor, and Elizabeth Patterson top a first vote cast. Incidentally, the Great Groaner turns a socko performance in addition to his usual smooth vocalizing. Especially sweet are the renditions of "Small Fry," "Don't Let That Moon Get Awty," and "Pocketful of Dreams." The Chicago showing should fit in about this Friday at one of the larger Loop theatres.

IF YOU ARE READING:

Tom Kroners "Waiting for Nothing" deserves your backing. It's a powerful story, telling of the experiences of a depression-made bum. There is no whining, no self-pity, no exaggeration. Just a straight forward narrative, written in the simplest.

Evening Division to Give Several New Industrial Courses

Industrial relations, management, and administration, according to H. P. Dutton, recently appointed Dean of the evening division at Armour Institute of Technology, have become such important phases of industry today, that it is the duty of institutions of higher learning to make industrial problems part of their curriculum for adult education.

In accordance with this belief, Armour Institute has been engaged for some time in offering to executives, superintendents, and men in supervisory positions various courses in industrial relations, management, and administration. The curriculum for the fall term of the academic year 1938-39 of the evening division contains several new courses in this vein added to the existing program of making the facilities of the Institute available to industry.

Chief among the new courses designed for men in industry is one in "foremen's training." This course is intended for those responsible for or interested in the training of foremen. "With any upturn in business," said Dean Dutton in regard to this latter course, "there would have to be considerable rapid training as well as up-grading of personnel. Naturally, foremen would have an intimate part in such training, since they are key-men in industrial plants. Therefore, this course, aimed to fit the needs of foremen and specifically those who are responsible for handling and managing supervisors and foremen, is planned with this need in view."

The instructor of this course, Mr. L. E. Castle, has wide experience in this field of work with one of the more prominent and more progressive industrial organizations in Chicago.

AMUSEMENT ODDS AND ENDS:

Strictly big league stuff is the Crosby-Mercer-Victor Young combination when they give out on "Small Fry" (Decca 1960). And it's Bing again, assisted by the one and only Connie Boswell, doing a great rendition of "Alexander's Ragtime Band" for Decca customers. "A-Ticket, A-Tasket," that nursery rhyme that became a major piece of popular music is gently drifting back into oblivion. Before it slips too far, get an earful of Ella Fitzgerald and Chick Webb version. . . . Nomination for radio's best variety show is Maxwell House Good News of '38 with Kraft Music Hall a close second. You can't get better entertainment anywhere. Last week's Bergen-McCarthy-Errol Flynn dialogue reached an all-time low in funniness. Charlie certainly needs W. C. Fields.

IN THE SPORTS' WORLD:

If that three cornered match race between Seabiscuit, Stagehand, and War Admiral ever materializes, my two toothpicks go on the 'Biscuit's nose. The Admiral just can't beat him all the time. . . . The Cubs may be hot now, but it is the Pirates who will be taken by the Ruppert Rifles 4 games to 2 in the World Series. . . . The Big Ten conference championship should be a toss up between Minnesota and Ohio, with the Buckeyes holding a slight edge.

B. R. S.

Library Stacks Built to Hold 50,000 Books

Included in the school's extensive remodeling program is the library which has undergone a complete modernization. The old wooden book stacks have been removed and entirely replaced by steel cases. These cases are twice as high as the old ones, and will virtually double the capacity of the library at the same time releasing additional space for the reading room. The upper part of the cases is reached by a balcony which is an integral part of the cases. A feature of this balcony is that it is floored with thick plates of glass. The fixtures were manufactured by the Library Bureau of the Remington Rand Co.

In addition to the work in the library a great deal of work had to be done in the basement below the library before the installation. The huge weight of the 50,000 volumes, and the steel cases, which weight totals over 125 tons, necessitated the placing of new steel supporting members under the floor.

Completion of the work is expected. (Continued on page four)

DR. EDWIN L. STEVENS

EX-PRES. OF SW LOUISIANA INSTITUTE, FOUNDED THE SOCIETY OF LIVE OAKS, A GROUP OF 125 HISTORIC TREES. EACH TREE HAS A NAME AND PAYS ANNUAL DUES OF 25 ACORNIS. PLANTED THESE ACORNIS PRODUCE THE JUNIOR LEAGUE, WHICH PROVIDES SAPLINGS FOR STATE HIGHWAYS.

PERFECT HAND?

PLAYING BRIDGE IN THE PURDUE UNION MARY JANE DIETRICH WAS DEALT A 13 HEART, PERFECT HAND. BEFORE SHE HAD A CHANCE TO BID, HER OPPONENTS HAD BID SEVEN SPADES. THEY WENT DOWN THREE.

AT HOBART COLLEGE THE "CUSPICUP" IS AWARDED TO THE FRATERNITY HAVING THE LOWEST SCHOLASTIC RATING ON THE CAMPUS.



By H. R. Coyle

While other campuses are abustle with Fall football scrimmage and everybody prepared for "Saturday's game," coaches are worrying about coordinating their power with brains, and sports writers trying to predict whether Minnesota will again have both; Armourites return today to a relatively quiet little campus site.

The fact is that football is the one sport that Tech doesn't have. It takes about a week for new students to get used to this—they have other things to think about then—and by two months the problem is well in hand with difficulties surmounting on the basketball court.

While Armour's own Coach Stenger has none of these scrimmage worries there are other sports that might be bothering him now. And this is where you come in, freshmen!

Last year was one of the best all-around years Tech has had. A.I.T. actually stood above the .500 mark in every sport but swimming and basketball. Not that we're trying to boast about last season's wrestlers, trackmen, diamonders, racketeers and golfers, we're just reminding you that some thirty athletes began looking for jobs after graduation, and team positions will be wide open.

There should be no pessimistic outlook as to the 1938-39 season, however. While Tech lost good men, she left good leaders to round out the coming squads.

Paul Henriksen and Ed Swanson are co-captains for the cage squad, who with other spectacular scorers such as Lloyd Norkus and Bill Sherer leave us in expectation of a betterment of last year's record.

Ralph Tullgren will take over the leadership left open by the loss of Jimmy Dunne, last year's captain of the grapplers, while Tom Clark will lead the returning punching squad.

Bob Winblad was elected to head the swimming squad. He is the leading backstroke and a good free stylist. Ray Dodge, last year's captain, is back. The swimmers should fare well as no one was lost through graduation.

Willard Kruse, star hurler of the Techawk nines for the past three years, will captain the coming baseball squad. He and Coach Stenger will have big worries when Spring rolls around, as seven regulars were lost in graduation.

Late last Spring the track team met and chose for its co-captains Steve Finnegan, trackman, and Dick Vandekieft, fieldman. They both hold Armour Tech team records. The track team has a .750 record of wins to maintain.

Nick Natinchek will be the captain for the tennis five. Only Joe Kubik, captain last year, will be lost to the squad which pulled in a .773 average last May. Ed Swanson and Nick will be back in the one and two positions to repeat this feat.

Don Sunde was appointed captain of the golf team which appears to be returning strong. The team will be built around Sunde, Schmal, Fox, Mackey and Korrell, or others depending upon the results of the big intramural tourney. The qualifying 36 holes are for this Saturday, and the low men will probably play match the following week.

So with this seasonal whirl of athletes ahead, football will not be missed. Those who crave it may see the A.T.S.A. president, Dick Vandekieft, who will have usher tickets available for the U. of C. games.

Others may satisfy themselves on Ogden Field, watching the senior chems plan their campaign to recapture the inter-departmental touchball title.

Meanwhile, Grant Stenger, unlike all the other coaches who are worried about returning backfield men, has nothing to cry over but the mere fact that Miss Thompson's lunchroom and cafeteria crew has crowded him and his gymnasium force out of the gym. But only until the Student Union is completed, and then we shall have a new sport to cover—that of lounging around in the club rooms and discussing the latest victories of the Techawks!

Golfers Meet in Armour Open Saturday for 36 Holes Medal

This Saturday the Armour men, both new and returning students, will have their first fling at golf. Coach Sammy Bibb expects at least forty golfers to show up for the Armour open tournament.

Last year twenty-five participated in the tournament, which was held amid inclement conditions. This year 36 holes are to be played medal on the first Saturday of the competition, while on the following Saturday there will be thirty-six holes of match play.

Although the returning members of the golf team, Captain Don Sunde, Ralph Schmal, and John Fox, will shoot along with the rest of the field, three men are to be picked for the first team and four for the second team.

As yet the place of battle remains to be chosen, but those who are going to play are advised to watch the bulletin boards for the announcement. There should be no excuse of lack of transportation, for coach Bibb will see to it that all prospective team members will be taken to the golf course.

Those who express a keen desire to display their ability with a club are asked to see either coach Bibb, associate coach Ahern, or assistant Ed Wagner in the earlier part of the week. For fun and keen sportsmanship these fall golf tourneys rate ace high.

In past years the scores have usually been high, due in most cases to high winds and damp grounds. If the weather man is on the Techside, the scores will be down in the low 80's, with the team men hitting the high 70's.

Chems '38 Win Spring Softball

With Wagner and Deuter making sensational plays and Deuter driving in four runs, the senior chemical ('38) won the annual softball tournament by a score of 6 to 4 last June. Their victims who found Bob Marshall's pitching too slow to hit consistently were the soph ('40) chems, champs of the lower bracket.

The seniors reached the finals by routing the junior juicers and through that game they completed a clean sweep of their bracket. The sophs gained the finals undefeated also but they had to pull two extra inning games out of the fire to do it. In both the quarter and semi finals, they went into extra frames to win 7 to 6 over the soph mechs and the "Rats," respectively.

Their was no scoring in either halves of the first inning as the senior-soph finals got under way, but in the second to be graduates pounded Fahey for four runs. The most damaging blow was a double by Deuter with two on. With Grigas and Cultra leading the attack, the sophs gradually pulled up and it was 4 to 3 going into the sixth. Here again Deuter came up with two on and slammed a triple to right center scoring the runs that eventually meant victory.

In their half the sophs got a rally started but due to a collision between a runner and fielder by which the runner was out, the uprising was smothered and the seniors went on to win, 6 to 4.

Phi Kaps, Triangle Win Spring Awards

Two interfraternity trophies were won by Phi Kappa Sigma and one by Triangle at the conclusion of the Spring tourneys last June. Baseball and Tennis went to the former, while the Golf trophy was taken by Triangle.

The pitching of Wayne Dolder for the Phi Kaps defeated that of Bill Sherer of the Deltas and the former team won the title 9-4.

A tennis trio consisting of Bob Lange, Don Charleton and Bill Hoversen defeated the Phi Pi Phi team for tennis honors.

Triangle went on to take the golf honors from Delta Tau Delta, which had won the cup for two years and needed the third leg for permanent possession.

Forecaster Dashes Off Sports Preview For Coming Season

By Jim Fahey

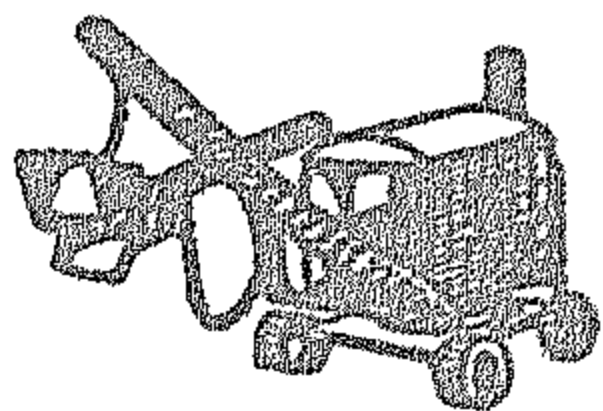
September . . . tuition . . . books . . . the Armour "open" golf tourney . . . interclass hardball . . . start of touchball practice with Johnson and Spengler of the champion senior chems showing the boys the Baugh and White of football . . . October . . . Touchball starting in earnest . . . Kruse and Rothenburg stars of the champions . . . wrestling and boxing . . . start of intramural basketball . . . last call for basketball men by Coach Stenger.

Captains Swanson and Hendricksen leading regular Norkus, Sherer, and Janicek to the post . . . Lurz, Sher and Whitehead making regulars step to hold places . . . November . . . first basketball game . . . bowling tournament . . . touchball finals . . . Thanksgiving . . . December . . . basketball in full sway . . . Golden Gloves for boxers . . . hard work for wrestlers . . . swimming . . . vacation.

January . . . swimming going strong . . . basketball becoming monotonous . . . exams . . . February . . . indoor track without Stehman, Bingham, Dunbar and Faust . . . Vandekieft, Elwood, Covington, Platz, Finnegan and Dixon forming nucleus of new squad . . . March . . . winds . . . Tech Relays with its galaxy of stars . . . baseball team in gym chasing out the stragglers.

April . . . rain . . . baseball with Captain Kruse aiding Stenger in showing the boys how . . . outdoor track . . . tennis with Natinchek and Swanson leading team . . . golf led by Sunde and Mackey . . . May . . . softball taking everyone's attention . . . baseball rolling along . . . Junior Week . . . hope its longer than last year . . . tennis and golf concluding big years . . . exams . . . oh vacation!

Steam Shovel



An autumn tang is in the air again, and the weary students (if they are not weary now, they soon will be) are returning to school. After a gay summer of gularanting hither and yon, basking in the broiling sun and maybe pitching woo under a tropical moon, they are back at "toady-toid and the trucks." Once again they will pull out their worn slide-rules and their little dusty text books (weight 20 lbs. each), and go to work. They will study 'till the wee (very wee) hours of the morning, and then drag their tired bodies to the 8:30 classes, arriving at 8:30 1/2, to hear the cackle of the professor's voice and to see the glitter in his eyes as he says with a half sneer: "Hey Hey, trying to sneak in again a half minute late. Fifty problems extra!" Oh well, we live and learn. And the steam shovel is going to learn plenty this semester. However, it must have the cooperation of the entire student body in submitting items of interest and sh-h-h, scandal!). Drop in TECH NEWS box.

The new casanova of Armour Tech surges forward. It seems that every-time an Armour student went to a stag dance this summer, he was asked by the girls: "Do you know FRED JAHNKE?"

Rumor department: what JUNIOR CIVIL was interested in dairy farming and THE MILKMAID during the civil's summer camp?

IT LOOKS LIKE GEORGE DERRIG HAS BIT AGAIN. THIS TIME IT'S A BLONDE, AND THEY SAY SHE IS UH—UMPH!

HAL JOHNSON, that bashful brute of a senior, took his first date out two weeks ago, and he still walks around in a daze, mumbling: "It can't happen to me."

TEST SUBWAY SOIL SAMPLES



COURTESY OF CHICAGO DAILY TIMES

Major George Perrine, consulting engineer, and Herbert Ensz, structural engineer, examine material excavated from test pits, finds soil will be satisfactory for subway construction. Pit at State and Lake descended 95 feet without encountering solid rock.

MIES VAN DER ROHE—

(Continued from page one)

clarified his architectural aims and aided him in the accomplishment of work which has profoundly affected the course of modern building.

The German government retained him as architect for the German Pavilion at the World's Fair in Barcelona in 1929. This structure is considered a masterpiece of modern architecture. In 1930 he assumed the directorship of the Bauhaus in Dessau. Here he had the opportunity of transmitting his ideas of modern architecture to the new generation of architects. His appointment to Armour Institute will enable him to continue his educational work.

Ludwig Hilberseimer was born in Karlsruhe in 1885 and studied architecture and city planning at the Institute of Technology there. He later established himself as an architect in Berlin and became one of the leaders in city planning. Hilberseimer has written extensively including the series for "Das Handbuch der Architektur." In 1928 Hilberseimer was appointed professor of city planning at the Bauhaus.

Studied at U. of Munich

Walter Peterhans was born in 1897 in Frankfurt am Main. He studied at the Universities of Munich and Goettingen; and at the Academy in Leipzig. Because of his outstanding work in the field of photography, he was called to the Bauhaus to create and direct its department of photography. Here he developed photography to such technical perfection that it could be employed to reproduce and make apparent the qualities and defects of materials, thus creating a new educational technique of revealing the relationships between material structure and space.

John B. Rodgers was graduated from Princeton University with a Master's degree in Architecture in 1928. He completed his architectural education at the Bauhaus in Germany. He has been associated with the firms of Bley and Lyman, York and Sawyer, and Edward B. Green and Sons. At the present time he is a member of the firm of Rodgers and Prestley, Associates.

Developed New Program

After having studied the American situation thoroughly, Mies van der Rohe has developed a program of studies for the school of architecture at Armour. The strength but also the difficulty in the American situation, lies in the existence of new problems of spiritual significance and new means for their solution; but the vitality of the existing organizational and technical forces assures the possibility of an original and meaningful solution of the cultural development.

"Culture is the harmonious relationship of man to his environment," Mies van der Rohe said, "and architecture is a necessary manifestation of the relationship. This is the meaning and the goal of the course of studies."

Prof. Ensz Aids Government Engineers Test Feasibility of Subway

Chicago's subway system will be one step nearer realization Wednesday with the completion of soil tests now being conducted in Armour's Soil Mechanics Laboratories. The laboratories are in charge of Professor H. C. Ensz, structural engineer and instructor at Armour. The soil tests are necessary since the Chicago subway is to be built through soil and not cut through rock like those of other cities.

In order to obtain soil samples at various depths under the city where the subway tubes are to be constructed, pits were dug at three places in Chicago's loop. The pit at State and Lake streets is the deepest of the three. It descended to a depth of ninety-five feet. At each two feet of descent a small sample

of soil was taken. Every five feet an "undisturbed" soil sample was taken. To take such a sample a short length of large diameter piping is sunk into the soil. The pipe is then dug up and the undisturbed sample within it is ready for the laboratory.

The purpose of soil mechanics is to replace by scientific methods the empirical methods of design used heretofore in foundation engineering. By laboratory methods the physical characteristics of the soil are determined. These characteristics have a direct bearing on problems in earth and foundation engineering.

A series of routine tests of remolded soil which investigate the general properties, the Atterberg limits and the size distribution of the soil are made.

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Dr. Oldenburger Back at Armour

Returns from Princeton, N.J. After Year Away

Armour's department of mathematics has been especially favored by the return of Dr. Rufus Oldenburger to the staff. Dr. Oldenburger, who came to Armour in 1934 and was made assistant professor of mathematics in 1936, has been on a year's leave of absence.

When Dr. Oldenburger left Armour he went to the Institute for Advanced Study at Princeton, New Jersey, where he conducted intensive research on his "Theory of Polynomials." While at Princeton he published several papers on this theory. During the year he gave many lectures at Princeton and presented several papers to the American Mathematical Society.

Visits Europe

At the end of the academic year at Princeton, Dr. Oldenburger went abroad. He spent the summer in France with the exception of a month's vacation during which time he visited southern France, Italy and Switzerland.

When asked about the European situation, Dr. Oldenburger said he was hardly aware of it until he read the American newspapers on the way home. With regard to the people themselves Dr. Oldenburger said "The Europeans expect war, and since they expect it they do not worry about it. They will worry about it when it comes."

Comparing the newspapers of the various countries Dr. Oldenburger noticed that the German newspapers contain more propaganda than do the papers of the other countries. The papers in Italy are fairly accurate on most accounts but they never report any insurgent losses and they are always quick to give full accounts of Loyalist losses. Cordell Hull's speech was printed verbatim in several Italian newspapers, but the paragraph on totalitarianism was omitted. "Italy seems to be making a definite bid for American friendship," continued Professor Oldenburger.

Research Work in Paris

In Paris where Dr. Oldenburger continued his research, he was received by Professors Frechet, Weil, and Chevally with whom he was continually associated. Dr. Oldenburger found that although there is little mathematical activity in France today compared to that found in the United States, it is of a very high calibre. During his stay in Paris Dr. Oldenburger spoke at the Institute Poincaré which is part of the Sorbonne University.

While in New York after his return from France Dr. Oldenburger presented a paper at the semicentennial meetings of the American Mathematical Society. At one of the meetings, R. L. Moore, president of the organization, said: "Although American Mathematics is rapidly approaching a golden age of productivity it has not yet reached the greatness of the golden age of France and Germany of the last century."

Dr. Oldenburger insists he is glad to be back at Armour. With regard to the rapid strides to the front that Armour has made during the past year, Dr. Oldenburger said: "Armour Institute is definitely in the class of the best engineering schools in the country."

SCHOLARSHIPS—

(Continued from page one)

graduating seniors of June, 1938 made application for and took the competitive examination. Two hundred and forty-nine of these applied for the regular freshman scholarship and took the written examination at the Institute in Chicago on Saturday morning, May 21, from 9 until 12 o'clock. At the same time, fifteen students were taking the examination in various points throughout the United States under the supervision of the principal of the candidate's high school.

In addition to these two hundred and sixty-four candidates who had applied for the regular one year freshman scholarship, an additional fifty-four were taking the examination for the annual fire protection engineering four year scholarship. The fire protection engineering scholarship for a period of four years is offered by a group of Insurance Companies and awarded by a committee of which Mr. R. M. Beckwith of the Western Actuarial Bureau is chairman.

REMODELING—

(Continued from page one)

Building through the front entrance. By entering the front entrance and descending a few stairs the student will find himself in a spacious lobby from which the Dining Hall, either of the two smaller dining rooms or the Book Store are readily accessible. The lobby also connects by direct passage-way to the new entrance to the Mission Building from Federal Street and to the east tower on the other side of the building. A Check Room will serve the students from this central lobby. The Men's Toilet is also located on the ground floor. Two telephone booths are conveniently located near the lobby. The old entrance to the ground floor from the south side of the building is being abolished.

From the ground floor lobby the students can reach the second floor lobby by the winding stairs which will be completely modernized. The arrangement of the rooms on this floor is practically the same except for the larger auditorium which may be more properly called the Student Hall. The former class room area underneath the balcony is now a part of the Student Hall which becomes a much larger rectangular room. A single floor level prevails throughout the student hall area. Only slight changes will be made in the stage. The balcony will remain the same except for painting. All walls in the Student Hall will be completely redecorated. There will be no permanent seats in the Student Hall; chairs will be moved into place when necessary. The hall as well as the entire building will be heated by a new heating system and completely re-

lighted. A unique feature of the illumination in the Student Hall will be an indirectly lighted plaque hanging from the ceiling to spill light by reflection to all parts of the balcony. Diffused lighting will also light the floor area underneath the plaque. The area underneath the balcony will have indirect illumination. Under each pair of lights there will be a 4 foot by 12 foot table with 10 or 12 chairs to a table. There will be five of these tables on each side of the room. The tables can be used for studying purposes.

Rooms A and B in Mission Building are being converted into Student Meeting Rooms. All blackboards have been removed. The ceilings and walls will be painted, a new linoleum floor laid, and draperies hung on all windows. The rooms are not being considered for use as class rooms. Meetings will be scheduled in these rooms for any student group that will make the proper arrangements for their use with student appointed officers. A student office equipped with telephone service will serve as the student administration office. The office just off the foyer connects the Student Hall with the lobby to the winding stairs. On the other side of the foyer there is being constructed a women's rest room. The meeting rooms and the Student Hall can be reached by the tower stairs on either side of the building.

The Student Lounge will be located in the former Civil Drafting Room on the third floor. The room is being redecorated, the walls and ceilings will be repainted, and the windows will be draped. The floor will be of hardwood and refinished. Sofas, occasional chairs, lamps, a radio, card tables, occasional rugs will leave nothing to

Christophersen to Organize Public Speaking Class Soon

Mr. M. G. Christophersen, a member of the English department, will give a short course in Public Speaking. The course is offered as an elective to juniors and seniors.

Students interested in this course should contact Mr. Christophersen so that a schedule can be arranged during this week. The time selected will depend upon the open periods of the upperclassmen interested in the course.

surely minded students. The degree of student enthusiasm for the lounge indicates that this room may become the most popular of the building.

There you have it! The Mission Building is now becoming a student building for, of, and by the students.

LIBRARY—

(Continued from page two)

ed in the latter part of this month. Miss Steele, the head librarian, said, in relation to the changes: "With the new stacks at our disposal, we expect to improve our service to the student body because of the convenience of this new compact arrangement. It is also hoped that with the opening of new study rooms the library will be used for what it was originally intended—that is, chiefly as a reading and reference room."

Books may be secured from the library upon presentation of the library card. All new students are urged to present their tuition receipts at the library desk as soon as possible and secure their library cards.

Commercial Law Offered Upperclassmen by Larkin

The social science department, with Dr. John D. Larkin, associate professor of political science, as instructor, will offer this semester an elective in the Elements of Commercial Law. This course will stress contract essentials and principles with some emphasis upon engineering specifications.

The concluding weeks of the semester will be devoted, according to Dr. Larkin, to a brief consideration of forms of business organizations—partnerships, trusts, and corporations.

This course will be open to juniors and seniors only. It may be elected either at 10:30 and 11:30, Tuesdays and Thursdays.

GREET FRESHMEN—

(Continued from page one)

the freshmen that, the Dean and instructors are their friends and that they should not hesitate to talk over matters with them if trouble develops. Each freshman has a faculty and a student adviser that will assist him throughout his first year.

Dr. McNamara talked about the importance of health. He also emphasized the fact that all freshmen must be vaccinated against small pox a rule of the Institute, these certificates to be submitted at the earliest possible time—a dead-line to be set later.

Following this general assembly the freshmen adjourned to various assigned rooms about the Institute, where they discussed school life at Armour Tech with their respective student advisers.

ARX NEWS

Over the summer. Snow White has melted down to something hot like the Flat Foot Floogie, but the song, "Heigh ho, Heigh ho, Off to Work We Go" is still your tune, my lads. Gander at your new sked-dood-lee—as we say back in our sand dunes. In the same rural vein there goes,— "the best pickin' is on the top branches,"—and our new tree is very high with plenty of climbing room.

Down to earth again we have . . . DANFORTH back from the best working vacation one could have; playing on the liner Paris. (Cogitate on his word "playing") We boat him the glamour boy title. Klyphardt has gone facultyish and raised a moustache to convince his dear North Park students that he is THE professor. More power to him; may it grow handlebars, modern ones, all of stainless steel. Wouldn't he look polished?

As we bid the Beaux Arts system goodbye don't you think that the approaching summer problem judgment ought to be in the nature of a bon voyage gift? I wonder if Otto Teegan would agree? Gather ye Medals while ye may. Our new quarters for the juniors and seniors down in the art school should do just what the lads have been hoping for. Keeping the underclassmen upstairs has its points too.

Advice o he freshmen Arx: Read June Province's column in the Tribune to discover where you don't go to school.

Enough!

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