



## Chapin Hall Rear to Be Landscaped

### Seven New Rooms and Offices Added to Second Floor

Seven new class rooms on the second floor of Chapin Hall are now doomed to endure the trample and the scuffle of nine hundred students' feet, and the raving pedagogy which can not be done without. These rooms have been done up brown—and yellow in a manner similar to those on the first floor.

#### Twelve New Offices

Supplementing these new classrooms are twelve new offices and two lavatories across the hall from the classrooms on the second floor. These offices, which are to be occupied by the mechanics and civil engineering department professors and Professor Richardson of the electrical engineering department, come in two colors to suit the vagaries of different professors.

The dilapidated wooden porches are now a thing of the past; the present is an unfinished-looking brick wall; while the near future is a painted, and probably new-appearing wall.

#### Structural Analysis Lab

Room 117 on the first floor is being converted from a classroom to a surveying instruments room and a structural analysis laboratory. The stairs from this room to the basement are being fixed up, and some basement space is to be utilized for laboratory purposes.

As the more observing students have noticed, the name of the northern third of the building is now Physics Building, while the rest of the building is called Chapin Hall as before, and now actually is a hall.

A new roof will be erected over the whole building, and the old stone parapets are being replaced by new brick ones.

#### Landscaping Chapin Grounds

The grounds south of Chapin Hall have been leveled off and will be sown with grass. The space to the rear of Chapin Hall will be landscaped and the fences will be rearranged to include all of the space in the campus.

Ten additional flood lights are to be mounted on the school buildings to chase away any lurking shadows which might harass evening school students. These new lights will practically double the number of lights used.

Room D in the Mission building is being converted into a lounge room and additional lunch room space. Twenty tables for four will be installed for lunch and study purposes.

## Electrical Co-ops to Start Next January

Paralleling the co-operative course in mechanical engineering, a co-operative course in electrical engineering will be inaugurated beginning January 31, 1938. A quota of 142 for the mechanical co-operative course and 48 for the electrical co-operative course has been set.

Under the co-operative plan, each student spends approximately twenty-four weeks at school and twenty-six weeks in industry. He works eight weeks in a factory and then attends classes for the next eight weeks. These periods of factory and classroom work alternate during the five years of the course.

The primary purpose of the course is to provide a means for ambitious young men, without sufficient funds to pay the costs of a college course, to alternate between work in college and industrial plants, and obtain in a five year course the equivalent of the usual four-year engineering college training. It also provides for industry a select group of men who obtain practical experience along with their engineering training. At present there are sixty-three co-operating companies and one hundred and eighty students enrolled.

## Eight Receive Noyes Scholarships; Frost Only Reappointment

Four full year and four half year LaVerne Noyes scholarships have been awarded for the school year according to Associate Dean Charles A. Tibbals. Of the eight men to whom these awards were made, G. E. Frost, is the only one whose award is a re-appointment.

The scholarships were awarded to the following students who are entering for the fall term: full scholarships to C. O. Frush, Oskaloosa, Iowa; W. B. Shaw, Glen Ellyn; Robert Fiala, Downers Grove; and P. H. Connors, Chicago and half scholarships to Lee Bullen; J. D. West, and W. C. Pehta of Chicago and G. E. Frost, Oak Park.

#### Selected by Trustees

Under the will of the late LaVerne Noyes, the Trustees of his estate are authorized to expend a portion of the income of the trust estate in paying, to such universities or colleges as they may select, the tuition, in part or in full, of deserving students needing the assistance to enable them to procure a university or college training. This to be done without regard to difference of sex, race, religion or political party, but only for those who shall be citizens of the United States. In addition, such candidates for the scholarships shall either themselves have served in the army or navy of the United States in the World War, and been honorably discharged from such service, or are descendants by blood from someone who has served in the army or navy of the United States in that war, and who is still in that service or who has been honorably discharged from that service or whose service was terminated by death.

The purpose of La Verne Noyes in establishing these scholarships was to express his gratitude to, and in a slight degree to reward, those who ventured the supreme sacrifice of life for this country and also to keep alive unselfish patriotic devotion.

## Dr. Freud Appointed Evening School Dean

Under the guidance of Prof. B. B. Freud several new evening courses have been inaugurated. Dr. Freud has been appointed the new dean of the evening school, relieving Dean Heald of part of his work.

In the social science department, a two semester course in economics has been started with Prof. A. S. Hansen as instructor. A single semester course in Time and Motion Study will be taught by Mr. Martin Wiberg. Mr. Wiberg was in charge of Industrial Engineering and Time Study at Poole Brothers before coming to Armour.

Frederic Oakhill, plant engineer of Bauer and Black Company and president of the Chicago chapter of the Society for Advancement of Management, will teach a course in industrial design for appearance.

General psychology will be taught by Mr. Jack Hazelhurst, who is connected with the Psychological Corporation.

## Freshman Class Sets Mark; Expect 300 in Registration

All previous registration records were shattered this year with 299 students enrolling in the freshman class. This number will undoubtedly increase well over the 300 mark after the late registrations are all tabulated. The frosh were enrolled in classes on Thursday and formally welcomed to Armour by President Hotchkiss, Dean Heald, and Dean of Freshmen, Dr. Tibbals, at an assembly on the following Friday.

The large group was divided into two sections for the orientation tests held on Friday. These aptitude tests make possible a classification of the mental status of the students. The tests were compulsory for all new students with the exception of those taking post graduate courses.

## Three Members Added to Staff of Armour Research Foundation

To the already efficiently organized staff of Armour Tech's Research Foundation have been added three new members, as announced by Thomas C. Poulier, director of the Foundation. These individuals, whose past experiences and achievements prove their eligibility and whose future work will demand our esteem, are Dr. Paul L. Copeland, Dr. Francis W. Godwin, and Mr. Robert M. Williams.

#### Specializes in Electronics

The first of these gentlemen, Dr. Copeland, received his undergraduate training at Nebraska Wesleyan, where he obtained his Bachelor degree in Science. It was at the University of Iowa that he was awarded with M.S. and Ph.D. degrees. During the next six years of his life Dr. Copeland was an instructor in the physics departments of Massachusetts Institute of Technology and Montana State College, three years at each. He comes from a position as assistant professor in physics at Montana State College to assume full charge of research in the field of electronics and to instruct classes in physics.

#### Godwin To Do Coal Research

Coal research will now be under the direct supervision of Dr. Godwin, who takes the place of Dr. Robert D. Snow, formerly head of this most important division of research. Dr.

Godwin just recently completed his graduate studies at the University of Iowa, receiving M. S. and Ph.D. degrees. His undergraduate training took place at San Diego.

Third on the list is Robert M. Williams, who has been awarded the Ely Wishnick Fellowship. He will confine his activities to graduate study and research work in the field of high pressures. Mr. Williams spent his undergraduate days at Lawrence College. Last year he received his Master of Science degree at the University of Wisconsin, and is striving for his Doctor's degree here at Armour.

## Eight New Fire Protection Scholarship Men Join Ranks

Eight new students having four year scholarships in the fire protection engineering course have entered school. Their selection was made after consideration of a competitive examination, personality, and high school record.

Receivers of scholarships are: J. F. Deatrick, Defiance, Ohio; R. H. Harmon, Aurora; E. L. Hass, Davenport, Iowa; D. L. Knief, Western Springs; R. H. Lange, Chicago; R. A. Larson, Chicago; William Speth, River Forest; and R. A. Zoellner, Chicago.

## WELCOME, CLASS OF 1941!

Every year we welcome a group of young men who come to Armour to prepare for careers in engineering and architecture. The Class of 1941 is the largest which has ever entered the Institute, and the care with which it has been selected and the quality of the instruction which it will receive means that much will be expected of it.

It is trite to refer to the changes which have taken place in technology and technical education in recent years, but it is highly essential for engineering students to realize that these changes are still going on at what seems to be an accelerating pace. They relate not only to engineering itself but, even more, to the setting in which the engineer and the architect do their work.

At the moment our own country and the world is in a state of unrest which reaches the dimensions of turmoil. Engineers who are responsible for large enterprises are finding it necessary constantly to readjust their thinking so as to solve new and unexpected problems. The way in which the engineering profession is meeting these new problems is a credit to the education which Armour and other engineering schools have furnished in the past, but we are not satisfied with past achievements. We are aiming at all times to improve the quality of instruction and to provide opportunity for discipline which will equip our students better to meet the conditions by which they will be surrounded both as practitioners and as citizens.

In welcoming you, the Class of 1941, to Armour, we are offering the challenge of the new frontiers in science and technology. We wish for you the highest measure of success in your work here and in the work which you will do after your course at Armour has been completed.

WILLARD E. HOTCHKISS, President.

## Seven Outstanding Seniors Receive Memorial Half Year Scholarships

Dr. C. A. Tibbals, chairman of the Scholarship Committee and assistant dean of Armour Tech, announces the award of seven scholarships to seniors for the academic year 1937-38. The awards provide a stipulation of one hundred and fifty dollars, or the equivalent of one-half of the tuition for the academic year mentioned.

The seven scholarships have been made available to senior students each year through the generosity of four donors, and the awards, after a thorough examination of the academic records and general fitness of the candidates by the scholarship committee, were made under the direction of the president of the Institute, Dr. Willard E. Hotchkiss.

William R. Marshall and William F. Schlax receive the Bernard E. Sunny Scholarships, which were established in 1909.

#### Marshall Leads Seniors

William Marshall, having the distinction of rating first in scholarship among the members of the coming senior class, has an average of 2.93 from a possible 3.00. He has been one of the student Honor Marshals assisting at the annual commencement exercises of 1935, 1936, and 1937. Marshall is a member of Tau

Beta Pi, national honor engineering fraternity, Phi Lambda Upsilon, honorary chemical fraternity, Alpha Chi Sigma, professional chemical fraternity, chairman of the Tech student chapter of the American Institute of Chemical Engineers, student editor of the Armour Engineer and Alumnus, and a member of the golf team.

William F. Schlax is also a member of Tau Beta Pi, Chi Epsilon, honorary civil engineering fraternity, and a Junior class officer during the year 1936-37.

#### To Get Prenner Award

B. W. Gamson and A. N. Schrieber are the recipients of the Isadore S. Prenner scholarships. The Prenner scholarships are awarded each year under the direction of the President of the Institute with certain restrictions.

Gamson has made an enviable record scholastically, and during the time he has attended Armour Tech he has worked continually in order to completely finance his education. He has been a member of the Armour Tech News Staff, a member of the Tech student chapter of the American Institute of Chemical Engineers, and on both the business and editorial staffs of the Armour En-

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New students will be welcome at the TECH NEWS office during the noon hour tomorrow. Any men interested in joining the news, sports, or business staffs should come. No former newspaper experience is necessary.

The NEWS office is located in Chapin Hall, second entrance from the north end on the third floor.

## Musical Clubs Bid for New Talent

Both old and new members of the orchestra will meet this afternoon at 5 o'clock for the first time this semester. Similarly, on Thursday, the Glee Club will send out its bid for a turnout of all the vocal talent throughout the school. As in previous years, the clubs will begin practice promptly at 5:00 and run through until approximately 6:30 p.m. under the able directorship of Mr. O. Gordon Erickson.

#### Large Membership

Through the years, the musical clubs have grown from a group of just a few members at its beginning to a group which now includes in its role, one-seventh of the entire student body. This growth is due in no small measure to the fact that the clubs foster good fellowship. Because of the difficult student programs, practice is limited to one rehearsal a week, but as the men are there because they enjoy the work, the time passes quickly and much is accomplished.

#### Many Events Last Year

Last year the clubs had an unprecedented year of concert successes which was climaxed by the Goodman theatre concert sponsored by the Women's Faculty Club. As an anti-climax, the entire group went on a tour to Pontiac where they rendered excellent concerts for the people there.

In addition to the events mentioned, the clubs have supplied the entertainment for assemblies, concerts, radio broadcasts and various public and college occasions. If previous years are to serve as a guide, the clubs should this year surpass them all.

## One Accident, Plenty of Food, Adventure, for Civils at Camp

"It was an uneventful camp session, and therefore a successful one," remarked Prof. J. C. Penn in commenting upon the civil engineering summer camping period held at Camp Armour. Prof. Penn qualified his statement by explaining an uneventful session as one in which no forest fires or continuous rains spoiled active work.

Only one casualty marred the summer. Evan L. Stoll suffered a broken finger when he accidentally got in the way of a flying horseshoe. He was immediately taken to the hospital for treatment.

#### Find Section Corners

An undertaking, never before attempted in the summer camp, was a search which the civils made for original section corners—twelve were found. These section corners were established in 1865. In many cases the original corner stakes and bearing trees were found.

All was not work, however, at least one and sometimes two fish dinners were contributed by the fishermen in the outfit—in other words, fishing was good.

#### Mustaches Taboo

The usual quota of beards and mustaches were grown. However, Monte MacConnell was the only one who was able to retain his when the end of the camping period rolled around. It seems that Bugielski, lost his under unfortunate circumstances.

The food, according to the general consensus of opinion, was unusually good; Miss Breyan, who has done the cooking for some years now, was responsible for this.

## Seventeen Appointees to Faculty

### Hotchkiss Names Grinter and Ford as New Option Heads

New faces will soon be noticed among the faculty about the campus. An increasingly larger student body and an expansive policy demanded a bolstering of the departments.

Among the distinguished men receiving appointments is Dr. Linton E. Grinter, formerly Professor of Structural Engineering at Agricultural and Mechanical College of Texas, who joins the Institute staff as Director of the Department of Civil Engineering and Dean of the Graduate Division. In accepting the appointment as Dean of the Graduate Division Dr. Grinter becomes the first head of this division replacing a faculty committee on graduate work. Dr. Grinter received his Bachelor's degree from the University of Kansas in 1923, and attending the University of Illinois, received the degree of Master of Science in 1924 and Ph.D. in 1926. He has also had several years of engineering experience, including two years with the Standard Oil Company of Indiana, where he was in charge of structural, hydraulic, and mechanical design. Since 1928 Dr. Grinter has been Professor of Structural Engineering at Texas A & M, carrying on research and teaching structural engineering.

#### New Math Profs

The appointments of Dr. Lester R. Ford, who comes to the Institute from Rice Institute of Houston, Texas, and Dr. Lawson G. Fulton, will be effective for the mathematics department. Dr. Ford will take over duties as professor and chairman of the department of mathematics while Dr. Fulton will be an instructor in the same department. Dr. Ford received his Bachelor and Master degrees at the University of Missouri in 1911 and 1912 respectively and has distinguished himself in the field of mathematics, presenting several papers before various meetings of the American Mathematical Society.

#### Former Instructor at Harvard

After receiving his Doctor's degree from Harvard University in 1917 Dr. Ford spent two years as instructor at Harvard, later going to Rice as Assistant Professor of Mathematics. He has also been a member of the council of the American Mathematical Society, a member of the editorial board of both the American Journal of Mathematics and the Duke Mathematical Journal, chairman of the

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## NYA Reduces Cash Allotment this Year

As in previous years the government will collaborate with the school in aiding needy students to earn their expenses through the National Youth Administration. The allotment, however, has been cut down one third, eight per cent of the school receiving its benefits instead of the former twelve.

The cash allotment per month is now \$960. In order to permit more students to obtain NYA work, the average sum to be received by each worker has also been decreased.

The funds have been allocated for needy students between the ages of 16 and 24 inclusive. The conditions which govern the eligibility of the applicants are (1), need, each student must be able to qualify on the basis of need; (2), citizenship; (3), character and ability. They must be able to do good scholastic work both before and after receiving aid; and (3), full-time resident student status.

The determination of eligibility and the appointment of positions rests with the personnel office of which Mr. Setterberg is in charge.

Forty cents per hour is the hourly wage received by NYA students.