# GOVERNMENT WILL ASSIST STUDENTS THROUGH N. Y. A.

## Post Graduate Students Also to Benefit by Government Aid

### MAXIMUM WAGE IS $15

Under the provisions of the National Youth Administration for Federal College Student Aid, which replaces the former F. E. R. A., many students at Armour Institute of Technology will be enabled to work during the coming scholastic year on projects that are socially desirable. Those students desiring such work may obtain applications in the Registrar's Office.

The selection of students for this work is to be based on four conditions prescribed by the N. Y. A. These conditions are: 1. Need of such aid; 2. Character and ability to do college work; 3. Status of attendance; 4. Age of students to be between 16 and 25 years.

According to the N. Y. A. students may work a maximum of 30 hours in a given week—8 hours in a given day and shall be paid on an hourly basis at the hourly-rate commonly paid by the institution—forty cents at Armour. The N. Y. A. also stipulates that "an individual student during a calendar month may earn not more than $20."

However, since there are so many applicants for this work at Armour, the pay of $15 per month will be the maximum allowed. In order to be within the $15 per month limit the student must not work more than thirty-seven and one half hours per month. The prescribed limit of 30 hours per week or 8 hours per day, is to guard against the student neglecting his studies by working too long in a given week.

A special feature of this year's Federal aid over that of the past, is that additional funds will be made available for part-time employment of graduate students and Negro students. Thus, a student in the first year of graduate study may receive a maximum of $20 per month, ($15 per month at Armour) and also supplementing aid to the extent of $10 per month, for part-time work.

Students who have already completed one full year of graduate study are eligible for an average pay of $30 a month—a maximum of $40 for any given month—as well as the $20 per month maximum available to college students on the college aid program.

Also, because of the present limited possibilities of graduate work facilities for Negro students in certain areas, the N. Y. A. will reserve a limited fund for the special encouragement of Negros who have already completed one full year of graduate study.

However, since Armour does not provide any graduate courses more than one year in length, the aid described in the last two paragraphs will not be available for students at Armour.

# W.S.E. to Open Meetings in Oct.

Rushing off to a flying start, the Junior Engineers of the Western Society of Engineers will hold the first society meeting of the year in room 1200 in the Engineering Building, 205 W. Wacker Drive at 7:00 p. m. Thursday evening, October 3. The meeting will be addressed by the president of the senior Western Society of Engineers, Mr. Frank Fowle.

Edgar S. Nethercut, honorary member of the Armour chapter of Chi Epsilon, secretary and director for the Western Society of Engineers for the last 18 years, was elected Secretary Emeritus by the Board of Directors, as of September 1. Mr. Nethercut retired so that he could devote his time to travel and historical research in the field of engineering.

Several Armour men now hold executive positions in the Junior Engineer branch. They are: R. P. Petersen, '27, chairman of the executive committee; H. Davidson, '34, chairman of the publicity committee; and B. M. Kostenko, '34, chairman of the inspection committee.

# Faculty Attends S.P.E.E. Meeting

At the convention of the Society for the Promotion of Engineering Education held in Atlanta last summer, Armour was represented by Dr. Hotchkiss, Dean Heald, and Professors Finnegan and McCormack. Both Dr. Hotchkiss and Professor McCormack delivered addresses, the former on social science in engineering schools, and the latter on equipment for the college chemical engineering laboratory and on the desirability of laboratory text books in chemical engineering.

In his address, Dr. Hotchkiss pointed out the close connection between engineering and social and economic considerations, to illustrate the need for social science courses in engineering curricula. His paper developed six requirements for social science material to be used in engineering schools. They are, first, that it be relavent to an engineering education, second, that it be capable of stimulating intellectual curiosity, third, that it give opportunity for discipline in accurate reasoning, fourth, that it include subject matter concerning which definite action is contemplated as a result of study and analysis, fifth, that it challenge the instinct of workmanship, and sixth, that it be sufficiently flexible to give scope to varying capacities and interests of individual students.

Professor McCormack, illustrating his talk on laboratory equipment with examples from Armour's lab, gave an outline of the requirements to be met and the methods of designing equipment to meet them.

# *Armour Frosh Is Eliminated from Competition by New A. T. A. A. Ruling*

There was once a day when athletics were taken not so seriously at Armour Tech and in that day the teams produced were very consistent with the sports attitude. And, what's more, a school with dignity surrendered its front to compete with the Techmen. Or maybe it used our forbears as schedule "meat" y'know—filler.

Now in that day, Armour teams could be made up of men from all four college years. Without any fuss a few professors could enter the lists. Even Stan Livingstone, and some of the "Student Union" waitresses might have taken up the fight for Tech.

Ah yes. But that was long ago. Long, long ago in fact! For as time went, the day of athletically minded engineers came. and of course with the attitude, came the talent, and Armour would win games now and then. For instance, in basketball, Tech has humbled Maroon quintets for three years. A year ago Tech came out even in home and home games on the diamond with Northwestern and Chicago. With schools more in its class Armour has easily held its own. Well, the profs and such were frowned out soon, we suppose, and now they cast off some more. A freshman ruling, or play in your own yard! Which is no fun, so—

For the first time, Tech freshmen are not eligible to make a varsity team. Going to sound silly branding squads "frosh" or "varsity." However Armour teams will receive no new strength this season—that's bad, especially after graduation has thinned the sports ranks so impressively.

In looking the situation over, basketball, first and foremost in the winter lists, did not do too badly. Three "major" men have gone, ne'er to return, but four regulars are back. Co-captains Dollenmaier and Warner, and Heike and Merz are the lettermen. The fifth man will be selected from the host of basket stars among the upperclassmen who forgot to make the team last season! (?)

The wrestlers are still sitting pretty and captain Herm Sumner should lead the team in a big year. Swimming, however needs help. Four lettermen gone and a weak team is practically wobbly. It is reported that many men took advantage of summer tuition at the U. of C. pool. Here's hopin'.

Then again, the whole tennis squad graduated, golf faired fifty-fifty. Track just lost a couple of men, but wotta loss! George Nelson and John Roberts were a real track team. Not such a nice year to welcome a new coach.

As yet, the A. T. A. A. has not definitely announced a program for the barred frosh, but it is likely that freshmen teams—at least in major sports—will see some activity with other schools. Some talk of a freshmen basket ball coach has been nosed around and the outstanding possibility is Ray Pflum, star guard of two years ago.

# Professor Dies After Accident

Walter John Bentley, an alumnus and assistant professor at Armour, died July 11, 1935 at the John B. Murphy hospital after a year's illness resulting from an accident in which he fractured his kneecap in the spring of 1934.

Professor Bentley was born in Chicago on April 28, 1897. After graduating from Loyola Academy he entered Notre Dame University, where he studied one year. In 1917 he entered Armour and completed the course in chemical engineering to graduate with the class of 1920. He submitted a senior thesis on the alloys of nickel and nickel oxide.

**Was Instructor After Graduation**

After his graduation Professor Bentley remained at Armour as instructor in general chemistry. He received the degree of chemical engineer in 1925 when he submitted a thesis entitled "The Formal Use of Inspection Trips in the Teaching of Chemical Engineering." In the same year he was appointed assistant professor of chemical engineering, taking charge of courses in electrochemistry and in organic chemistry for the students of fire protection engineering. He retained this position until the college year 1933-1934 when he left because of illness.

At Armour he had been a member of Beta Psi (now Pi Kappa Phi) and the honorary chemical fraternity, Phi Lambda Upsilon. As a member of the faculty he was instrumental in the reorganization of the chemical club, Flask and Beaker, as a chapter of the professional chemists' fraternity, Alpha Chi Sigma, becoming one of the charter members.

Professor Bentley also belonged to the American Chemical Society, of which he was treasurer of the Chicago section. He was a participating member of the Society for the Promotion of Engineering Education and the American Institute of Chemical Engineers.

# *Letter Box*

September 19, 1935.

Editor,
Armour Tech News

A traveling microscope has disappeared from the machine shop at the Institute. This instrument has little realizable value but is exceedingly useful in the Physics laboratory.

If the individual who borrowed this will return it immediately, it will enable the Physics Department to carry on its work satisfactorily—no questions will be asked.

Wallace M. Flower.

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LOU GEHRIG says of Camels: "I like their mildness. They never interfere with my wind or my 'fighting trim.' When I feel tired after a game, I get a 'lift' with a Camel."

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