

Housing Project Under Way Here

Continuing their practice of devoting the year's meetings to non-engineering subjects, the Western Society of Engineers had as their guest speaker last Thursday Mr. Allen C. Williams, Project Director for the Metropolitan Housing Council. Miss Elizabeth Wood, Executive Director of the same organization, was originally scheduled to address the meeting, but because of a conference in Washington, she was unable to attend.

Housing Is New Problem

The Metropolitan Housing Council is in no way connected with the government, nor is it a social service agency. It was set up and is operated by people who are interested in better housing conditions in Chicago.

The problem of housing is, for Chicago, a comparatively recent one. Until two decades or so ago, Chicago was a country town. Now we have four million inhabitants residing on four hundred square miles. As there are not any laws specifying what minimum living conditions shall be, certain areas have a great concentration of people, creating, thereby, formidable problems.

Slums to Be Eradicated

By cleaning up three islands in a sea of slums, the P. W. A. will not help the situation much. Their only purpose is to provide an incentive for the inhabitants of Chicago.

Four things will have to be done to eliminate the slum area. First, all dwellings unfit for good living should be demolished. This will be a constant problem, for Chicago is continually aging. Second, the value of good neighboring buildings will have to be conserved. The only way this can be done is by the proper man-

agement of these properties. Third, certain districts will have to be entirely reconstructed. Fourth, a better knowledge of conditions prevailing should be dispersed.

Government Gives Aid

At the present time, under the direction of Mr. T. J. Ferrenz, C. E., '11, a land use survey and real property inventory is being conducted; it is making an exhausting study of available facts and information about what housing is needed for the people in the reconstruction area, what price classes they comprise, and all facts relating to future housing problems. They will try to help along the public relations necessary for the reconstruction problems to succeed. In the long run the people will have to pay for the projects now underway. These housing projects are not charity; they are to be self-liquidating. Uncle Sam has only provided the financial, technical, and legal assistance so that the city of Chicago can operate the projects in a just manner.

Chicago Expanding

The reasons why these sites were chosen for the P. W. A. projects are many. In the first place, they represent the worst districts Chicago has. Secondly, Chicago is moving further west, but as we will soon reach a place where transportation facilities will be very bad the trend will be to re-occupy the "No-Man's Land." The building of a new strata will necessitate the removal of the old. Third, each area is a community of its own, being bounded by fast transportation systems and having schools and public buildings.

These are only a few of the many pre-construction problems. Many are wondering whether the

A.S.M.E. Smoker for Mechanicals

Members of the mechanical engineering department held a smoker last night at the Beta Psi fraternity house. W. W. Hennings and A. M. Lane repeated the talks which were chosen as the two best of the semester. Last night the members picked the one which they considered the better. This talk is to be given at the National meeting of the A. S. M. E., which will be held in Chicago next month. Awards of fifty, ten, and five dollars will be given at the national meeting. W. W. Hennings' topic is "Critical Speeds of Crankshafts," and A. M. Lane's subject is "Overdrive of Gas Engines."

Lee Carlton, adjustment manager of the United American Bosch Company of Chicago, spoke at the A. S. M. E. meeting last Friday on "Field Experiences in Diesel Installation." He said that whereas the field of Diesel engineering is not new, most developments of importance have been of recent date. Since the Bosch company makes fuel injectors, most of the talk was concerned with injection of fuel at the proper point of the stroke and how this time of injection is calculated.

same situation will take place in Chicago as in Cleveland. When some of their slums were cleaned out, the inhabitants moved to a neighboring slum and made conditions worse. The outcome of the housing problem remains, in the face of all the obstacles, in doubt. Only the future can determine the success of this venture.

Former Student at Armour Wins Prize

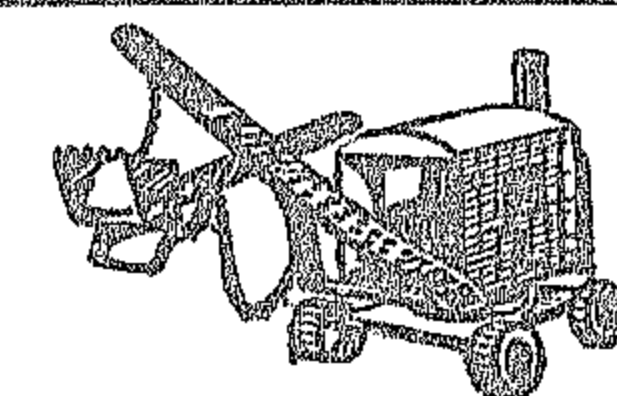
Midshipman James W. Thompson, a former student at Armour who is now in the graduating class at the United States Naval Academy, was last week declared the winner of the Commander James Edward Palmer prize. The award is made to the member of the senior class who is most proficient in thermodynamics and steam engineering. The presentation of the prize of an engraved wrist watch is made at a dress parade during June Week preceding commencement.

Having graduated from Parker High School in 1929, Thompson entered Armour in the fall of that year and continued his studies in the chemical engineering department until 1931, when he was appointed to the Naval Academy. He was especially interested in mathematics and ballistics in his courses at Annapolis.

Senior Civils Inspect New Chicago Tunnel

Twenty-five Armour senior civils, all that the Chicago Bureau of Engineering would allow, made a visit to the Chicago Avenue water tunnel yesterday. The group, which was specially selected, entered the tunnel through the Lake Street shaft, at Lake Street and Central Park Avenue. Clad in protective clothing which was supplied by the Bureau of Engineering, the civils were conducted through the work by a guide who explained the construction of the tunnel.

THE STEAM SHOVEL



Since AL RAGAN has come back from South Milwaukee, he won't need that letter of recommendation to WALLY TALLAFUS' girl friends there, but he would like one for the Chicago area.

Now that Sir Anthony Machulis has mastered the slide rule, we hope he will use it so he will no longer write $6 \times 1 = 1$ and $1 - 1 = 2$ in his calculus quizzes, and then say the book must be wrong.

We hear that BENNY FREUD is offering a royalty to any schmier who invents unbreakable chalk. Reinforced concrete designers are not eligible.

Flash: E. C. HOYER, M.E. '37 has been writing to a RUTH C. R. of the National College of Education. She's in Deerfield, so the last envelope says. TEDDY R.

MAUREECE ALEXANDER'S souvenir hunting didn't net him very much on his last jaunt with the swimming team. He claims the doilies smelled of beer anyway.

We hear that GEORGE WEST, who doesn't ordinarily indulge in absorbing nicotine, buys cigarettes only when he's out with Esther.

If any reader has a friendly enemy who is too big to be taken on,

Illustrated Talk Given by W.S.E.

At the last meeting of the Armour branch of the Western Society of Engineers an illustrated lecture on the Illinois waterway was delivered by Mr. R. Stellar of the United States Engineers' office.

Mr. Stellar, a former Armour student who has been associated with the Engineers' office since 1930, was sent out instead of Mr. Woerman who was confined to his home by a slight illness. Mr. Stellar first told of the extent of the Illinois waterway.

The project extends from the Great Lakes to the Gulf of Mexico, but the man made part is concentrated in the stretch of river between Joliet and Starved Rock. In this distance of 60 miles, the river drops 130 feet.

The object of the project is to construct a manageable waterway from the Great Lakes to the Gulf, and to lay the foundations, upon chosen sites, for future power houses. The task of drawing up plans and specifications for the waterway was entrusted to the U. S. Engineers' office, a body of men headed by U. S. Army officers and manned by graduate technicians, quite a few of whom came from Armour.

remember, "the pen is mightier than the sword" and just drop it into the News box near the elevator.

The Junior Civils complain that Herbie Ensiz is too early with a semester problem in reinforced concrete design.

Scientists Mourn Death of M. Pupin

Michael I. Pupin, one of the foremost electrical engineers of the country, died last week from complications resulting from an old illness. Although he came to America as a poor immigrant, he worked his way through college, attaining his doctor's degree and finally becoming professor of Electro-mechanics at Columbia University, where among his students were Robert Millikan and Irving Langmuir.

He was born in a little village in Yugoslavia on October 4th, 1858, but when only fifteen years old he emigrated alone to America which he had heard described as a land of fabulous opportunity. By working during the day and studying at Cooper Union in the evening he prepared himself for Columbia College in New York City. He passed the entrance examinations with a high standing and started as a self-supporting freshman at the age of nineteen. After graduating with honors in 1883, he studied physics at Cambridge and Berlin, attaining his doctor's degree in 1889.

On his return to America, Pupin became an instructor at Columbia, assisting in starting a division of electrical engineering. From the first space assigned to him in a shed, he developed the electrical department from its first industrial applications to the modern research organization necessary to our civilization.

In 1896, two weeks after the discovery of X-rays, Pupin, as a consultant of a New York hospital, first applied the new methods as a guide to surgical operations by using his newly invented fluorescent screen which made possible photographs using an exposure of a second instead of an hour.

Telephone systems were trying, at the beginning of the century, to expand their lines to distant cities, but the inevitable fading in large networks seemed to make the problem impossible. Pupin patented a new type of loading coil which used a toroidal winding to enable the effects of sound to be transmitted undiminished.

Professor Pupin was a member of the American Association for the Advancement of Science, serving as president in 1925. He also belonged to several engineering societies and was awarded their highest medals for engineering research. Some of the awards given him were the Edison medal, the Herbert Hoover prize, the Washington medal, and several foreign decorations.

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(Signed) F. DELAND WHITING, '35

TUNE IN!

HEAR THESE FAMOUS STARS

Walter O'Keefe, Annette Hanshaw, and the Casa Loma Orchestra...over coast-to-coast WABC-Columbia Network

TUESDAY		THURSDAY	
10:00 p.m. E.S.T.	8:00 p.m. M.S.T.	9:00 p.m. E.S.T.	9:30 p.m. M.S.T.
9:00 p.m. C.S.T.	7:00 p.m. P.S.T.	8:00 p.m. C.S.T.	8:30 p.m. P.S.T.

WALTER O'KEEFE

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(Signed) EMILIE BAGLEY, '35

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