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MISS JANE L. FORREST

It is with sorrow that we announce the sudden death of Miss Jane L. Forrest, for thirty-one years secretary at the Armour Institute. Though ill for over a period of three years, the end came very rapidly once she became seriously ill.

A brilliant Bible student, a lover of the better things in art, literature and music, Miss Forrest was indeed a cultured woman. She left behind her a host of friends, all of whom will long remember her. Her faithful service over three decades indebted the Institute to her more than it could have ever paid. With the death of Miss Jane L. Forrest, Armour has lost one of its truest friends and warmest supporters.

TECHNICAL PROGRESS

A full realization of the economic strides made by this country since 1850 was brought about when we chanced to come upon an old leather and board bound book the other day, covered with dust and dirt of years. Upon opening, it proved to have the following title: "Reports of Explorations and Surveys, to Ascertain the Most Practicable and Economic Route for a Railroad from the Mississippi River to the Pacific Ocean Made Under the Direction of the Secretary of War, in 1854-5, According to the Acts of Congress of March 3, 1853, May 31, 1854 and August 5, 1854."

Despite this lengthy name, the book proved to be a most interesting account of the preliminary work in determining the route for the first railroads across the West. These explorations marked the beginning of the industrial development of this portion of our country, due in such a large part to the efforts of our engineers and technical men. Seventy-five years ago this work was undertaken, a span of time only slightly more than the allotted life of a man, yet the conditions described then are as different from those of today as can be imagined.

In those days, surveys run in the western part of the country were really explorations with the survey work incidental. At this time were made some of the first valuable zoological surveys, botanical surveys, and geological surveys. Expeditions hired scouts to guide them, and fights with marauding Indians occasionally harassed the work.

Transportation was slow, inefficient, and unreliable, being dependent entirely on horses and men. Today we object to the slowness of trains and automobiles, using airplanes to attain more speed.

The progress made since the fifties has been tremendous, in both social and economic phases. Yet all this progress is due in the main part to the technical developments brought about by the work of the engineer and the scientist. Economic improvement depends upon man's ability to produce, to transport, and to consume. All three of these factors were brought to their present state by our predecessors. Social development follows closely upon economic development, so indirectly, at least, the engineer was responsible for the improvement of the social life.

If the engineers of the past, with their limited resources and their lack of data and scientific background, could accomplish what they did, what will the technical men of today achieve with the tools and resources of the present?

MORE CONCERTS

With the opening week of school, the musical organizations of Armour begin their semester's work. The men in the band, orchestra, glee club, and "Stresses and Strains" besides rehearsing one night each week, put in many hours of individual practice. Except for an occasional appearance of the band or orchestra at assemblies, the students have no opportunity to see either of these organizations until December, and the Glee Club and "Stresses and Strains" make no public appearances at all before December, for the first con-

:: "THE SLIPSTICK" ::

Cleave to "The Slipstick"; let
the Slipstick fly where it may.

Sweet Sally

Sally's lovely, Sally's sweet,
Sally's modest and discreet,
Sally's rare, Sally's neat,
But you ought to see her eat!

Al.

No, the boss wasn't surprised when he found out that I was leaving to go back to college—er—you see he knew I was quitting before I did myself.

J. S. McC.

Prof: "When two bodies come together, is heat generated?"

Fros: "No, sir. I bumped a guy yesterday, and he knocked me cold."

A bird in the hand is bad table manners.

After spending the vacation working, some of the boys will be glad to get back to school and rest up for Christmas vacation.

OBITUARY

Peg—Such shape, such beautiful brown eyes, and two rows of pearly white teeth, for these alone she could be loved, but with intelligence such as hers, she was a prize, but one day the fool dog forgot to get out of the way of a speeding auto. She is no more.

DISMISSED!

Prisoner: "But, Your Honor, the man committed suicide."

Judge: "Didn't you fire the gun?"

Prisoner: "Yes, but I told him I would shoot, and he didn't duck."

An optimist is a lad who says, "Please pass the cream," when he knows darn well it's only milk.

WHY MEN LEAVE HOME!

"I can't marry him, mother, he's an atheist and doesn't believe there's a hell."

"Marry him, my dear, and between us we'll convince him that he's wrong."

THOUGHTS OF THE FROSH

Say, where's this room H... gosh, aint this a grind
'sa stiff course... lemme have the homework
... musta run out of marble when they built this
place... some campus... what's in your unknown
... pipe those lettermen... too much homework...
oh, what's tha diff, I gotta keen date Saturday.

Al.

Pedestrians who do not choose to run are bound to get bumped.

Listen, Freshmen, we might as well tell you, you can't get away with any funny stuff in class, so why not give it to us. The Slipstick box is by the elevator on the first floor.

When it comes to shifting gears, the average woman is in a class by herself.

Then there's the story about the absent-minded plumber that forgot to forget his tools.

—F. B. A.

MOSTLY BUNK

This reminds us of one heard in the library, where one is apt to hear most anything. Two fellows were discussing the relative merits of their machines.

"Why," said the first, "Mine will do 65."

"What, that's nothing," said the second, "Mine did 73 the other day."

"But," continued the first, "I had a hard time shifting to high."

HELPFUL HINTS

When using a hammer you will find that you will never hit your finger if you hold the hammer with both hands.

If bees are crossed with lightning bugs, they can work at night.

Only eighteen weeks till the exams. Start to study now.

Applicant: "I assure you, sir, I have plenty of get-up and go."

Employer: "Sorry, we're looking for a man with sit-down and stay."

At this stage of the game, with most of our hard earned cash in the custody of Allison, and Mac and Stanley forcing us to shell out the remainder, it looks like a cruel, cold winter. How many days till Christmas?

K. K.

cert is not scheduled to be held until just before the Christmas holidays.

Our school musicians work diligently for a semester for only one concert. Why can't we see them oftener? Other schools have monthly concerts, why can't we? With the abundant talent at their disposal, the musical directors could surely give performances of the highest merit, performances that would surely draw substantial crowds.

The expense of additional concerts would be small, and would be more than repaid by the interest aroused. The added number of appearances would not only better acquaint the students with the musical organizations, but would give the players a great deal of added incentive.

We should like to look forward to a series of short programs, with one organization featured in each, to be held in the middle of the fall season.



Carl H. Johnson

(A Biographical Sketch)

By A. H. Jens, '31

Carl H. Johnson, instructor in Fire Protection Engineering at Underwriters Laboratories, has recently been added to the faculty of the Armour Institute of Technology.

A native of Chicago, the Chicago Public Schools provided his early education, while a four-year technical course at Englewood High School gave him his proper entrance credits for college. A year and a half between high school and college was spent in working with the Swift Packing Co.

He entered Armour in the fall of 1925 as a freshman student in Fire Protection engineering. It had been his good fortune to receive one of the scholarships offered by the Western Actuarial Bureau of Fire Protection Engineering. Mr. Johnson has been employed with the Iowa Insurance Service Bureau for the past three summers. Athletics attracted Mr. Johnson's

attention while at Armour, for he acted as manager of the tennis team, and also the baseball team. He also held the position of Senior Social Chairman. He was a member of the Honor "A" Society, Phi Pi Phi fraternity, and the Fire Protection Engineering society.

Mr. Johnson was awarded a B. S. in Fire Protection Engineering in June, 1929. At the present time, besides conducting his classes at the Underwriters Laboratories in Fire Protection Engineering, he is devoting much of his time to the Gas and Oils department of the laboratories.

(Editors Note: Beginning with this issue, the News will drop its old policy of selecting faculty members for biographies by their seniority, but will pick them instead by the Ouija Board, or what have you. The most recent additions to the faculty will be covered first because they are not as familiar to the students as the older men.)

A flame so intense as to melt its way through any known solid substance, is produced by a new type of blowpipe, employing finely powdered aluminum instead of the more familiar hydrogen or acetylene gases. The new invention is described by Dr. Frank M. Strong of Syracuse University, as follows:

"A screw conveyor carries a slow stream of aluminum dust from the bottom of a hopper, out through the open end of a brass pipe. The dust is met here by a swift cross-stream of oxygen, with which it forms a fine and uniform suspension. From this point the mixture is passed forward through a larger tube, which a little farther along is divided into eight smaller tubes. The latter diverge from the central tube for a short distance, and then are curved back inward so as to come to a sharp focus. The aluminum-oxygen flame can be lighted at this focus point with a match or Bunsen burner."

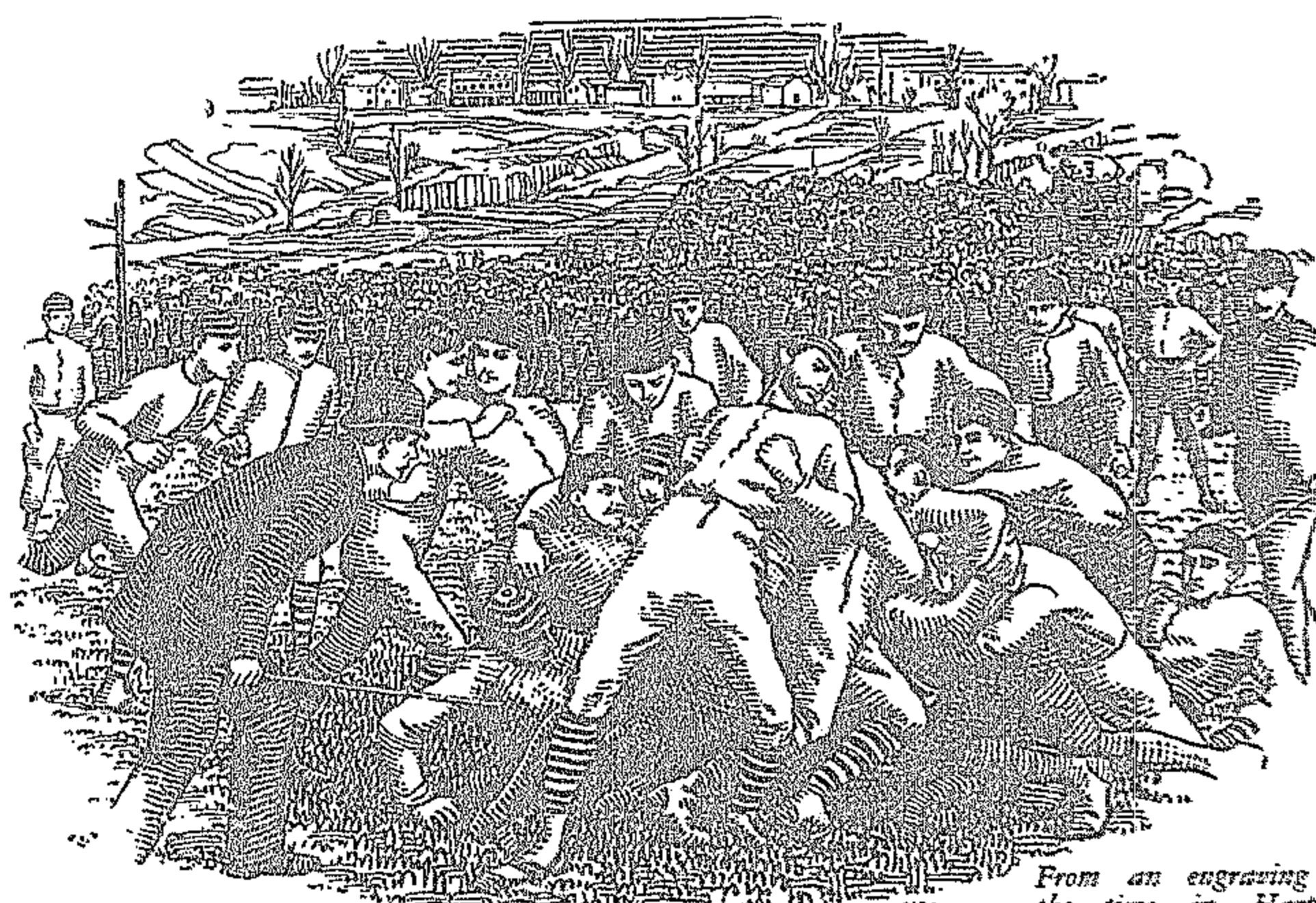
W. S. E. to Hold Meeting Soon

A meeting of the Armour Branch of the Western Society of Engineers will shortly be called at which the officers for the coming year will be elected and a new program of activities will be planned. Announcements on the bulletin board will be made to this effect in the near future.

The counselor for the Armour Branch of the Western Society of Engineers is Prof. Wells, of the Civil Department.

Several Armour men attended when the Chicago section of the society was addressed by Major Paul Schioler, Bridge Engineer, City of Chicago, on the subject: "The New Clark Street Bridge; Its Design and Erection," last night, Monday, September 30, at 7 p. m. in the rooms of the society, in the Engineering Building. The paper gave not only a complete description of the design of the bridge, but also the details of erection. This bridge was one of the spectacular pieces of engineering work completed in Chicago during the past summer. Due to extreme need of speed, it was necessary to resort to some unusual work.

One formal and four other dances a semester will be permitted each organization at the University of Missouri, Columbia, Mo., according to an announcement from the dean of men. The thirteen sororities will hold their full quota of 360 dances, and other student organizations are expected to bring the total up to 400. Dances are barred after Christmas until the beginning of the second semester. On this basis there will be an average of thirteen dances a week at Missouri, during the "dancing season."



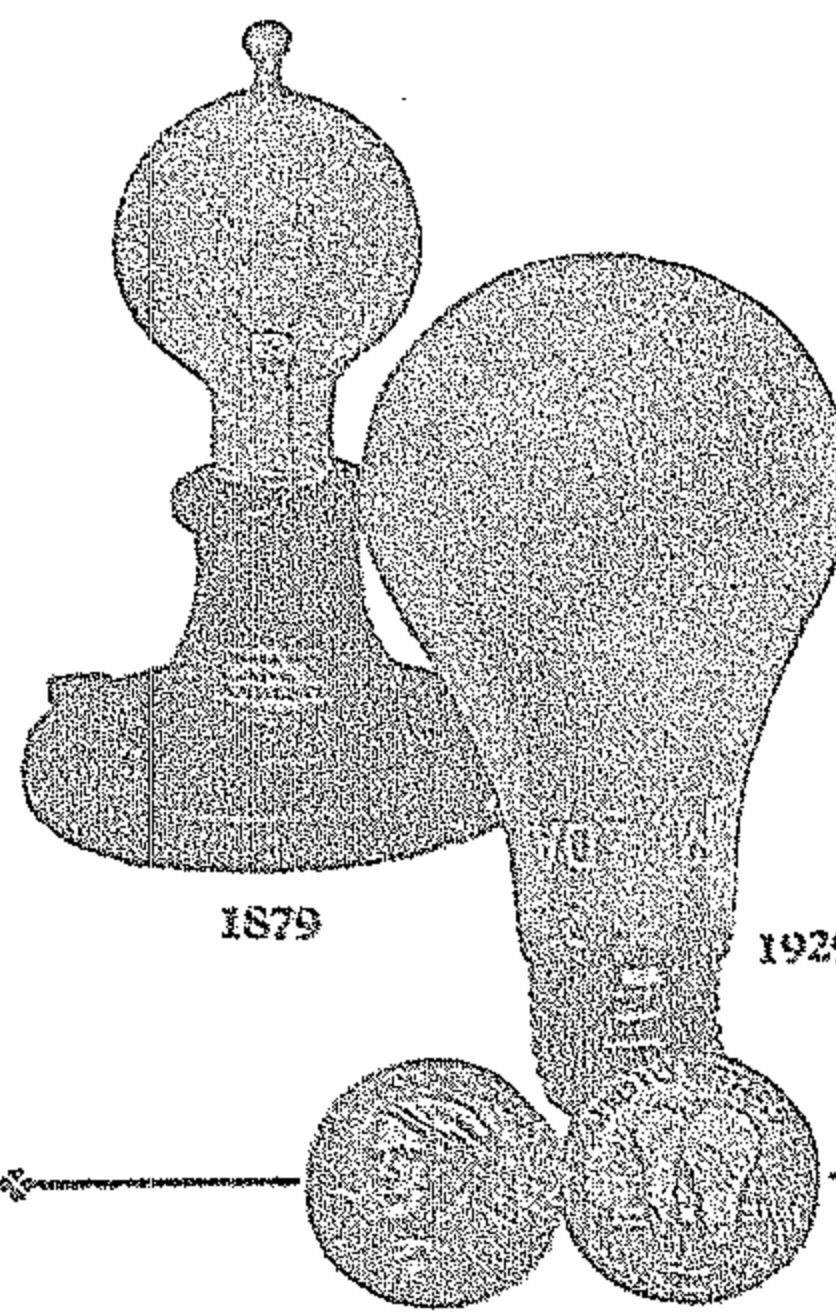
From an engraving of the time in Harper's Weekly

Autumn of '79

While Yale and Princeton were battling to a tie at Hoboken, New Jersey, a small group of scientists, directed by Thomas A. Edison, was busy at Menlo Park, only a few miles away. On October 21, their work resulted in the first practical incandescent lamp.

Few realized what fifty years would mean to both electric lighting and football. The handful who watched Yale and Princeton then has grown to tens of thousands to-day. And the lamp that glowed for forty hours in Edison's little laboratory made possible to-day's billions of candle power of electric light. In honor of the pioneer achievement, and of lighting progress, the nation this year observes Light's Golden Jubilee.

Much of this progress in lighting has been the achievement of college-trained men employed by General Electric.



1879

1929



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