AERODYNAMICS COURSE FOR THE INSTITUTE

Lieut. Hunsaker Gives Outlines For Proposed Course In New Science.

Before the Alumni Council, at its last meeting, Lieutenant Jerome C. Hunsaker, U. S. N., outlined some of the needs of education in aerodynamics with suggestions as to the courses that should be presented in it. The Institute, President MacArthur's report of ten years ago to the Corporation, established the fundamental course of the institute, making Technology the first institution in the country to begin the work of making adequate provision for developing the science of aerodynamics. Lieutenant Hunsaker, who received his M. S. from Tech in 1912, has been detailed by the Secretary of the Navy for duty at the institute, and having spent the summer abroad presents now an outline of the plans for the institute which are to be a brief history of the developments of aerodynamics and a sketch of what is being done in Europe, educationally and experimentally in aeronautics.

Lieutenant Hunsaker dwelt on the fact that the real advances in the knowledge that must enter into any course which have come from skilled engineers. The guiding of the machine in a way in which the work of a chauffeur—requires skill, ability, and qualities of co-ordination; but the making of the machines must depend on the man technically trained. It lies with the technical schools, therefore, to be ready to prepare men for the specialty of aerodynamic work. It is only a question of time when the public will recognize and see the importance of this work will present its problems to the engineer, and the engineers must be ready.

The speaker was careful to indicate that this was a question of time, that the principle of aircraft will be developed and that the men who would make the actual planes will be developed. The first step is from governments. He saw no greater government responsibility in this country than in the future to be a certain order of things, that a general opinion is not fostered by such authorities, and that it is the government's job to give a certain direction to things. But it is the fact that the governments of Great Britain, France, Germany, Russia, Austria, Italy, and Greece are all actively at work with the flying machines, he believes it to be the result of the solution of the tactical problems, and that all these powers are not (Continued on page 4)

INTERCOLLEGIATE ORATORY

At a meeting held a few days ago in the offices of the Massachusetts Peace Society, representatives of M. I. T., Boston University, Tufts College and Clark College were present. The meeting was held with the object of determining the interest taken in the subject of Oratorical Contests in the Massachusetts Intercollegiate, and it was decided that, provided sufficient interest is shown, Dr. James L. Tyron proposes to offer prizes of $500 and $250 for a final contest between the colleges.

Twenty-five states are holding contests this year, as compared with twenty-six states in 1912-13, and the Intercollegiate Peace Association is anxious to establish at least one state in Massachusetts as a permanent thing.

PROGRESS AT NEW TECHNOLOGY SITE

Five Concrete Towers In Place--Power Transforming Station Installed.

Four hundred men now employed at the New Technology Site are divided into small gangs, each of which is at work on one unit of the general construction. Progress in the foundation work; the pile driving is in the three hundred-foot Mechanical Engineering Building to the west of the grand court is half done, and the hundred piles are now in place.

The trenches for the west and central edition of the building are dug, and excavations to a depth of six inches have been carried towards the river, marking the outline of the Architectural wing. This build will surround one of the courts. At the eastern court a green sheet above is driving cars as fast as they can be driven up. There is at present, some interesting furnishing for the ten teams that make the circuits from the court to the central building as regularly as if they were turned off a connected mechanism. The fountains for the foundations of the General Studies and Biology units will be ready for delivery. This quantity is in itself enough to stock a grass-covered flower bed. Eight hundred thousand dollars have already been used in the construction work.

Five of the seven concrete towers that will distribute mixed concrete to the points of construction are completed and together with their lighting fixtures, pits, cars, and equipment represent a sizable working equipment. Two of these units have been tested and are ready for the actual work of delivering concrete. Their use will follow immediately on completion of the pile-driving work. (Continued on page 3)

DARTMOUTH TEAM DEFEATS TECHNOLOGY

Final Score Same As In Harvard Game--Weekend To Start For Dartmouth.

Tech was eliminated by the Dartmouth Hockey team last night at the Arena. When the last whistle blew into the net, the victory had been won by a score of 2 to 0. The victories had everything their own way, and Tech gave no evidence of fight except for a first half. The Hanover seven gave a fine exhibition of hockey with Whannaker and Tuck making the individual stars.

The first half started off tame, and for the first five minutes there was no score. On a rush down and a pass by Tuck Muriech scored the first goal for Dartmouth. On team work Dartmouth ran the score in and Muriech counting three times. Tech seemed unable to penetrate her opponent's defense, and her only chance to score was killed by Donahue. Dartmouth's team work and Whannaker's playing were the features of this half.

Tech scored the second half well by scoring its only goal. Watson pushed the puck in on a pass by MacLeod, and Tuck Muriech scored the goal. But this was only a flash in the pan for the rest of the game was a runaway from that time. Dartmouth scored seven times, Tuck getting four of the goals. Both of Tech's goal tenders were off form and gave almost no opposition. The team itself played as well as might be expected, but Tech's goal tenders were off form and gave almost no opposition.

The line up was as follows:-

Dartmouth Team

Muriech, rw
Frost, lw
MacLeod, lw
Winn, Center
Donahue, r
Chandler, g

Tech Team

Frost, lv
Liverpool for Johnson,
Merritt, rw
Roller for Johnson,
Sawyer, rw
Livermore for Johnson,
Muriech, lw

First half: Goals--Muriech, Frost 3. Second half: Goals--Whannaker (2), MacLeod (Capt.), Watson, Tuck 4. Bowlng


WEATHER


CALENDAR

Tuesday, December 30, 1913.

4:00--Tech Show Preliminary Multi

We Competition 8:00--Basketball, 1916 vs. 1917--Gym.