At the meeting of the Sophomore Class tomorrow an amendment to the Constitution relating to the Executive Committee will be considered, and some action will be taken in regard to the rushing in Rogers’ corridor on the morning of the Freshman election, in order that two members of the class may be released from probation.

Monday evening the Glee, Banjo and Mandolin Clubs went to Salem and gave a concert at the armory of the Second Corps Cadets. It was a very enjoyable affair, quite a crowd turned out, and the clubs did some good work. After the concert the Cadets had arranged a dance for those present, which lasted till midnight. Many of the men went in on the late train, but a number remained all night, and all emphatically declared it a success.

The American Protective Tariff League offers to the undergraduate students of senior classes in the colleges and universities in the United States a series of prizes for essays. The subject of the first essay is: “The American Merchant Marine: Its Restoration by Means of Discriminating Duties.” Competing essays should not exceed six thousand words, and should be signed by some other than the writer's name. Essays must be forwarded to The American Protective Tariff League, No. 135 West Twenty-third Street, New York City, on or before April 1, 1899. The manuscript of each contestant must be accompanied by the full name and address of the writer, together with certificate of standing, signed by some officer of the college or university to which he belongs. Manuscripts must be typewritten. The awards will be made as follows: For best essay, $150; for second best essay, $100; for third best essay, $50.

Mr. Boos, Director of the M. I. T. Gymnasium, is to take charge of the new men’s department to be opened at the Allen Gymnasium on January 1st. Those wishing to avail themselves of the advantages and privileges of this Gymnasium should consult the prospectus for particulars. This prospectus will be ready about the last of next week and may be obtained from Mr. Boos. The gymnasium work is to be done in the evening, a fact which should appeal to many men who are, owing to the demands of business, prevented from taking any regular exercise during the day.

Technology Calendar.

**December 8.**—Meeting '99 Executive Board, 1 P. M. Meeting of the Yacht Club, 22 Rogers, 4.15 P. M.

**December 9.**—Meeting of the Andover Club, 11 Rogers, 1 P. M. Meeting of the Y. M. C. A., 11 Rogers, 4.10 P. M. Meeting Sophomore Class in Huntington Hall, at 1 P. M.

**December 10.**—1901 Football team will have their pictures taken at 1 P. M.

**December 11.**—Meeting L’Avenir, 4.15 P. M., 26 Walker. Home Concert the Musical Clubs in Huntington Hall.

The Diesel Motor.

The latest and, at least so far, the most efficient type of prime mover has recently been brought to the public attention in the shape of the Diesel motor. As much interest has been shown by Institute students in the motor exhibited at the Mechanics’ Fair, a short history and description of it will be given, which may possibly make its operation clearer to some.

Mr. Rudolph Diesel, the inventor, had been a pupil of Zeuner, and was consulting engineer for a large German company. His chief interest had always lain in thermodynamics, and, especially, in the devising of an engine which would, at least, approximate the Carnot cycle. To this end his experiments were made at first on different types of gas engines; and, in his search for a gas whose change of state under pressure and temperature changes was small, he at last hit upon air. By experiment he proved, what he knew from theory, that air can be used not only as the necessary adjunct of fuel, but as a vehicle for