FACULTY NOTICES

Fourth Year.

Exercises in Electric Wiring of Buildings will be held Mondays at 9 in 28 Lowell and Thursdays at 11 in 29 Lowell, beginning Thursday, April 2nd.

WALTER HUMPHREYS, Registrar.
March 27, 1914.

First Year—Course IV.
The exercise in Shadow and Window slides on the Tabular View for Monday 23 has been transferred to Tuesday 22. All first exercises will be on Thursday, April 2, in Room 46 1/2 Pierce. Students may obtain the text-book of Miss Whipple in Room 25 Pierce, price 60c. For the first exercise prepare as far as paragraph 32. Bring to each exercise small T-square, triangle, scale, instruments, thumb tack, etc. Paper will be furnished.

WALTER HUMPHREYS, Registrar.
March 27th, 1914.

THE FIELD MANAGER AMONG THE ALUMNI

Mr. I. W. Litchfield Returns from Trip Among New York State Alumni.

Mr. I. W. Litchfield, Field Manager of the Alumni Association, recently completed his trip throughout New York State, where he visited the Technology Clubs of several cities. His first stop was at Buffalo, where about twenty Tech men gathered for dinner at the Buffalo Club. The meeting was presided over by Mr. F. W. Lovejoy, ’94, and the graduating men men were a most enthusiastic assembly, says Mr. Litchfield. Tech songs were sung and Tech cheers were given "in good shape." A large number of Tech men came down from Niagara Falls, under the leadership of Mr. J. Critchard, ’93, a former president of the Institute Committee. After the dinner an informal discussion was held, the New Technology and of the cooperative plan with Harvard, Mr. Litchfield gave at every meeting an accurate description of the undergraduate organization and of the Institute Committee, telling all of its work. The Field Manager was particularly careful to place the undergraduates before the eyes of the Alumni. Mr. Litchfield stated that considerable interest was shown in the new Technology Monthly, and not a few were the queries put to him in regard to it.

WIRELESS SOCIETY MEETING.

Illustrated Lecture on Goldschmidt System.

At today's meeting of the Wireless Society an illustrated lecture is to be given on alternating -generators of high efficiency and the Goldschmidt System, the patents on which were recently purchased by the Marconi Company. The Goldschmidt System gives the greatest improvement in radio transmission since the invention of radio telegraphy, and may bid fair to revolutionize present systems by the results obtained from present stations, one of which is erected near Newport, R. I. All interested in Radio Telegraphy are invited to attend this lecture and learn of this great development as well as to become acquainted with the members. The society has a radio station which receives signals over six hundred miles and within a few weeks expects to have a sending station in operation under the new law with a possible range of fifty miles that is open to all members of the Society.

The meeting will be held in Room 1, Eng. B, at 4:15 p.m.

IS THE ETHER AN ESSENTIAL CONCEPT?

Professor Comstock Leads Chemists Through the Maze of Modern Physical Theory.

Friday night the Chemical Society met to hear Professor Comstock lecture on "Modern Physics and Chemistry" and adjourned some hours later only through the compelling influence of the next day's task. To the men who attended, Prof. Comstock gave a look into the world of ultimate matters as modern thinkers conceive it, the world of atoms, electrons, and radiant energy.

He first impressed upon his hearers the fact that within the last few years physicists have become certain of the existence of atoms, and are equally certain that the structure built on the atomic hypothesis as it has been evolved in the last two decades, is the first approximation to the truth. This structure leads to the conception of the electron and of radiant energy, two fundamental factors whose absolute existence is now certain as yet.

During the last few years, the multitude of facts concerning the mechanics of atoms has demanded the clarifying effect of fundamental assumptions, and now many previously assumed conditions have been submitted to measurement, and have proven in accord with theory.

Professor Comstock's presentation of the concept of the electron was much clearer and logical than the concept which can be obtained from the traditional presentations, for rather than emphasizing the startling, he helped his hearers to understand the unusual, and by his simple comparisons taught the whole field within the range of ordinary thought. The electrons are in diameter one one hundred thousandth of the diameter of the atom, but they possess such an enormous electrical charge in proportion to their mass that electrically they are very important. He showed how electrons penetrated atoms, were caught by them, and imparted to them negative charges, while the atoms which had lost an electron or two were positively charged. He piled up example on example of the way in which diverse phenomena could be unified by this concept, and incidentally outlined the two methods by which atoms had been counted.

He also began to give the members an idea of the kinetic theory of gases, of the experimental proof of this theory, and would have gone on to outline the usefulness of the concept of radiant energy had he felt at liberty to hold his hearers' attention longer.

At the end of the talk he answered questions for some time, and finally they received a very hearty vote of thanks.

President Dickson announced the trip to Worcester for next Wednesday morning at 8:30, had two designs for pins circulated, and then reminded the men that nominations were due for the officers for the coming year.

STUDENTS PATRONIZE OUR ADVERTISERS

THE TECH, BOSTON, MASS., MONDAY, MARCH 30, 1914.

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