

The Tech

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PRICE THREE CENTS.

TUTTLE DRAWS BIG CROWD.

187 Men Served at Kommers and Many Turned Away.

President Lucius Tuttle of the Boston and Maine Railroad, proved to be such an attraction that 187 men were served with dinner at the Kommers Saturday evening. Many more men were turned away, while a large number remained standing in order to hear Mr. Tuttle speak. Among those present were Professors Swain, Allen, Tyler, Bates, Spofford, and Doten, and Mr. Rand.

Mr. Tuttle gave a very interesting talk on the beginnings of the steam railroad. In these strenuous days, people are prone to assume that everything has come about through a definite purpose. This mistaken thought is especially common in regard to the railroad.

The railroad was an accident; it was an evolution of what had been, the highways, the tramways in the English mines. The tramways of the Seventeenth Century were rude indeed; they had only wooden rails. With the coming of iron rails, many miles of tramways were built, carrying the coal from the mines to the rivers. That was the only use made of the tramway.

With the end of the War of 1812, and the Battle of Waterloo, a universal peace began, lasting over fifty years. Immediately there was an uprising of trade and commerce and a necessity for transportation facilities. Wagon roads and canals were built, but they provided only reasonable means of transportation.

In the North of Ireland there were some valuable coal fields which were not mined because the mines were shut off from the nearest river by a high divide. The company owning them decided, after many plans had failed, to build a railroad. George Stephenson, a young Scotchman, was called in to assist them.

Stephenson had worked himself up from the lowest position at the mines to the highest, and had never neglected an opportunity to find out what things meant and how they might be improved. He became interested in the possibilities of steam locomotion and in 1814 produced a steam locomotive, which ran four miles an hour and hauled a load of forty tons. Later he blundered into the discovery that the steam exhaust could be used to give a force draught. His locomotive contained the germ of everything used in the modern engines.

Stephenson laid out the new railway and got permission, after several years, to build a locomotive to haul the coal cars. He built two, Number 1, "Locomotion," and Number 2, "Hope." There was no passenger business done by these engines. Horses pulled the passenger coaches. The railway was a success. News of it came to America, and lines were built at once. The modern transportation systems have evolved from this railway built only

WALKER CLUB DINES.

Mr. Litchfield, '85, Explains Why '85 was Tech's Finest Class.

The Walker Club held a very successful dinner last Friday evening at the Technology Club. Besides the undergraduate members Profs. Merrill, Dewey, Doten, and Pearson, and Messrs. Blachstein and Bushnell attended, making in all a large gathering. After dinner President Loring, '06, of the Club, introduced the speaker of the evening, Mr. Isaac W. Litchfield, '85, who is a member of the Technology Fund Committee.

Mr. Litchfield made a few passing remarks about the Fund Committee's work, but hastened to the point of his speech which proved to be an explanation of why '85 was the finest class that ever graduated. He gave a very vivid description of how the "Campus of the Class of 1885" was created and produced the original letter by which President Walker gave the class the right to claim the Campus. In closing he told of the class reunion which was held at Camp Walker on Squam Lake last June and presented every member of the Club with a "Log of Camp Walker," which was very amusing and caused all to wish that they, too, might belong to the "great and glorious class."

After calling on several of the older men present for a few remarks, President Loring spoke about the future activities of the club and said that he wished to see it a vital part of the Institute life. Before adjournment the club offered Mr. Litchfield a vote of thanks for his kindness in speaking and especially for his generosity in presenting the club with the "Logs of Camp Walker."

CIVILS TO HEAR ALUMNUS.

Mr. F. H. Fay, '93, will give an illustrated lecture on "The Charles-town Bridge and Similar Structures" before a meeting of the Civil Engineering Society today at 4.15 o'clock in 11 Eng. B.

THE WEST TO PLAY FOOTBALL.

Western colleges decided Friday to have football this year, although the style of game will be modified to such an extent that professionalism, brutality, and unnecessary danger, it is hoped, will be eliminated. The professional coach is to remain only as long as existing contracts are in force. This means that Indiana and Michigan will be the only colleges this year which will have the services of a professional coach. The training table was abolished.

with the purpose of carrying coal from the mine to the river.

Toastmaster Hunt, '09, read a telegram from Dr. Pritchett stating his sorrow at not being present.

PREXY MAY BE SUCCESSOR.

Dr. Pritchett Mentioned as Secretary of Smithsonian Institution.

President H. S. Pritchett is being mentioned as the probable successor to the late S. P. Langley as secretary of the Smithsonian Institution. Advices from Washington state that the Smithsonian regents favor the selection, and would probably be willing to have Dr. Pritchett continue his work with the Carnegie Institution while serving in his new capacity. In such an event it is believed that Dr. Pritchett would accept the position.

At present Dr. Pritchett is dividing his time between Boston and New York, performing his duties as President of the Institute and as President of the Carnegie Institution.

MINING ELECTIONS.

At a meeting of the Mining Engineering Society held last Friday, P. H. Mayer, '07, F. L. Miles, '08, J. Ellsworth, '08, M. J. Daley, '08, H. C. Schrieffer, '08, H. Webb, '08, and C. Y. Wen, '08, were elected to membership. Mr. E. G. Acheson gave one of the most instructive and interesting lectures the Society has had. His subject was "Discovery and Invention." He described the discovery and manufacture of artificial graphite, carborundum and a new product which he has named siloxycon. Specimens of these products were shown and Mr. Acheson answered questions and discussed the merits of his products.

CORNELL MEN MAKE TESTS.

The Ward line steamship Morro Castle brought back to New York last week nine Cornell Seniors in the Mechanical Engineering Course, who made the round trip to Cuba with a professor purely in the interest of science. They were the guests of the line and spent most of the time at sea in the engine-room making tests to determine the efficiency of the engines.

COMMUNICATION.

The Editors do not hold themselves responsible for opinions expressed by correspondents.

EDITOR THE TECH,
Boston, Mass.

DEAR SIR:—For the information of those undergraduates interested either directly or indirectly in any sport or game under the supervision and control of the Advisory Council on Athletics, M. I. T., I am directed to state that all matters pertaining to athletic relationships with other colleges, such as joining or resigning from college leagues, the making of agreements, schedules of games or meets, etc., must be submitted to this body before definite action is taken by any undergraduate association or manager of team.

Yours truly,
FRANK H. BRIGGS, *Chairman.*

CALENDAR.

MONDAY, MARCH 12.

- 1.15 P.M. Class Day Committee Photograph at Notman's Studio.
- 1.30 P.M. 1907 Kommers Committee Meeting in the General Library.
- 4.00 P.M. Rehearsal of Tech Show Chorus at the Tech Union.
- 4.00 P.M. Banjo Club Rehearsal in 33 Rogers.
- 4.00 P.M. Mandolin Club Rehearsal in 31 Rogers.
- 4.15 P.M. Tech Board Meeting in the Trophy Room, Rogers.
- 4.15 P.M. Civil Engineering Society Meeting in 11 Eng. B.
- 8.00 P.M. First of a Series of Lowell Institute Lectures by Prof. Pitman on "Certain Prevalent Nervous Derangements," in Huntington Hall.

TUESDAY, MARCH 13.

- 4.00 P.M. Rehearsal of Tech Show Principals at the Tech Union.
- 4.00 P.M. Glee Club Rehearsal at the Boston Y. M. C. A.
- 8.00 P.M. Tech Chess Club vs. Jamaica Plain Chess Club at the Boston Chess Club.

WEDNESDAY, MARCH 14.

- 4.00 P.M. 1908 Electoral Committee Meeting in 22 Rogers.
- 4.00 P.M. Tech Show Chorus Rehearsal at the Tech Union.
- 4.00 P.M. Glee Club Rehearsal at the Boston Y. M. C. A.

NOTICES.

1907 Kommers.—The Junior Kommers Committee will meet in the General Library today at 1.30 P.M.

Electoral Committee.—The Sophomore Electoral Committee will hold its first meeting Wednesday, March 14, at 4 P.M. Every member must be present.

ARTICLES BY PROF. HAVEN.

The current issue of *The Inventor*, published by the Inventors' Exchange, Boston, contains the first of a series of articles by Prof. G. B. Haven, S. B., on "Mechanism for Inventors." "The object of this series of papers is to take up, in simple and practical fashion, a number of mechanical movements and to render them of use of inventors."

The first article gives a short but comprehensive review of the principles of the cam, and works out several problems in designing cams.

These articles will be continued in successive issues whenever possible. Practical problems will be outlined and their solution announced in the succeeding chapter.

University of Virginia will hold one of the largest track meets ever held in the South, on April 21.

One hundred colored students at Talladega College left college recently, because a southern white man was employed as superintendent of the college farm. Among the strikers were several females. Talladega is a co-educational institution for negroes and has an enrollment of over 1,000.