

THE TECH

VOL XXXIII. NO. 102.

BOSTON, MASS., TUESDAY, DECEMBER 16, 1913.

PRICE TWO CENTS

PRESIDENT MACLAURIN WITH MONTESSORI SCHOOL

Method Of Italian Educator To Be Given Trial In This City.

That President Maclaurin is the head of a non-technical school has been brought into prominence by the visit of Dr. Montessori to Boston. One of the events in the stay here of the Italian leader in educational methods is a visit to the school in its present form. Some time ago it became evident to a group of Bostonians that the schools for the young which are usually denominated "private," and which are distinguished from the public schools by payment for tuition are likewise different from the public schools in that it is not often that the school rooms are well adapted to their special purposes. In general it may be said that such schools are established in buildings remodeled from old dwellings or find place in structures designed for business. These men, therefore, grouped themselves together for the purpose of establishing a school which shall have all the advantages of the best planned that are possible for public schools. The foundations for the new school have been laid in a suitable location in Brimmer Street, whence the school will take the name, Brimmer School, long and honorably known in Boston, but not now used in an existing institution.

For the educational end the school established by Miss Cummins has been selected, and this will be replaced by the Brimmer School. The school as it exists has the direct influence of Dr. Montessori, in that the children's class is under the guidance of a graduate of the first international course given by Montessori in Rome, and the visit of the distinguished Italian will be to mark success of the transplanted method.

With reference to the Brimmer School, Dr. Maclaurin notes that it will be on the plan novel to this country, that it will not be carried on for personal profit, that the members of the corporation will look after the funds needed to carry it on, and that favorable balances will be devoted to the bettering of its equipments and methods.

WINTER CONCERT TONIGHT

The programs for the Winter Concert to be held tonight in Copley Hall at 8.15 may be secured this noon in the Union from the committee by presenting their tickets.

Photographs of the Combined Musical Clubs and of the Individual Clubs will be taken on Thursday noon at Notman's Studio, at No. 3 Park St. All men are requested to be there at 1.10 sharp.

MECH. ENG. MEETING

The next meeting of the Mechanical Engineering Society will be held on Thursday afternoon at 4 o'clock in 11 Engineering B. Mr. J. R. Worcester will give a lecture on "Heavy Foundations and Pier Work." Special invitations to attend this talk is given to Courses I, II, and X.

MR. EDWIN MULREADY TO SPEAK THURSDAY

Well-Known Temperance Worker To Speak On "Social Activities In In A Tech Man's Life.

Mr. Edwin Mulready, Deputy Probation Commissioner for the State of Massachusetts, will speak next Thursday noon at the T. C. A. meeting in the Union. Mr. Mulready, who is widely known as a temperance worker, spoke last year at one of the T. C. A. meetings on "The Other Fellow." Next Thursday he will speak on "Social Activities in a Tech Man's Life."

Mr. Mulready recently was the only New England representative at the International Congress on Alcoholism held at Milan, Italy. He was sent as one of the thirteen representatives of the United States chosen by President Wilson. As a temperance worker, Mr. Mulready has had a very large experience. He was for eighteen years secretary and for three years president of the Catholic Total Abstinence Union of the Diocese of Boston. He was also president of the Brockton Union Temperance Society. At present he is secretary of the National Temperance Union of America.

FRESHMAN EXECUTIVE COMM.

Subject Of Class Banquet Will Be Considered.

The Executive Committee of the Freshman Class will meet in the Union at 4.30 Wednesday afternoon. This committee includes, besides the officers of the Class, the representatives on the Athletic Association, the Institute Committee, and the regularly elected members of the Executive Committee. The matter of the annual class banquet is to be taken up, and on this account the men on the Committee are especially requested to be present.

TECHNIQUE 1915.

Questions Sent Out To Juniors— Cartoons Wanted.

Today there will be mailed to each member of the Junior Class a list of questions such as "Who is the most popular, most versatile, best dresser, greatest dresser, greatest 'fusser' and many others. All answers to these questions are to be left at the Cage before Dec. 20, and a copy of Technique 1915 will be awarded to the man sending in the best replies.

Any man who knows of any possible "ads" and can get them will receive ten per cent commission. Photos that have been taken around the Institute or that contain something of interest are desired, and any contributions will be gladly received. Men are wanted by the management for art work, headings and cartoons, and any man interested is asked to come around to the Technique office.

The Metropolitan Association announced the disqualification last Saturday of St. Lawrence University for playing unregistered basketball with the Ottawa Y. M. C. A.

ELECTRICAL ENGINEERING SOCIETY SMOKER TONIGHT

Mr. L. L. Elden Of Edison Electric Will Speak On "Distributing Systems."

This evening Mr. L. L. Elden, of the Edison Electric Illuminating Company of Boston, will address the members of the Electrical Engineering Society on the subject of "Distributing systems." The meeting will be called at 7.45 P. M. in the Union.

Elden is Chief Engineer of the Edison Company and has had long experience in the subject of his talk. The Edison Company has a very complete and exceedingly efficient system of feeders and distributing mains which serve an area of several hundred square miles. Most of the energy for this system is furnished by the power station at L street, South Boston, and from here it is sent out on high tension cables to sub-stations where it is transformed to voltages suitable for power and lighting distribution. The sub-stations are all connected together by a system of mains in such a manner that if one station were to be out of commission because of a break in its supply cable it would be possible to send the entire load from another station without interrupting the service.

J. A. Judge '14 will have the few pins which have been ordered by members of the Society and not yet called for at the meeting and these men are requested to get them. The shingles may be obtained from Miss Payson in Room 14 Lowell.

COSMOPOLITAN CLUB

British Night Thursday Evening In The Union.

The Cosmopolitan Club will hold another of its informal ladies' nights next Thursday evening, December 18 in the Union. The meeting will be a British Night, and will also serve instead of a formal Christmas party. The program will be given by the British members of the Club, and will consist of British songs and stories and an illustrated talk on "The Niagara Fruit Industry." Refreshments are to be of an English nature, and will include plum pudding and ice cream. The program follows.

British Songs Al Taylor
Tales of South Africa ... Eric Mason
Echoes of the Scotch Highlands

Seamus, Chief of Clan Fhyrghis
The Court Jester F. C. Cleverly
The Niagara Fruit Industry.

Illustrated Talk

PROM. COMM. BALLOTS

Jos. M. Livermore, for the Election Committee of the Class of 1915, announces that the ballots for the Junior Prom Committee are now at the Cage in the Union. The voting closes Thursday, Dec. 18, 1913, at 4 P. M. The Committee requests that every member of the Class of 1915 who has paid his dues to date be sure to vote, and vote immediately.

Two cases of mumps at Purdue
The whole University is excited.

SENIOR PORTFOLIO BALLOTS PRINTED

Nine Men Nominated For Five Posi- tions—Ballots At Cage Today.

Last Friday the Election Committee received the following nominations for the Senior Portfolio Committee:—

George A. Beach.
Homer N. Calver.
Donald G. Crowell.
Thomas J. Duffield.
C. Kirk MacFarlin.
Eric N. Mason.
John C. Morse.
Howard L. Stone.
Alden H. Waitt.

Most of the men have been prominent in class and Institute affairs. Beach has been statistician for Technique, and ran on his class relay team two years ago. Calver is secretary-treasurer of the Biological Society, and is on the Program Committee of the Civil Engineering Society. Crowell was a member of the Junior Prom Committee, Technique Electoral Committee, and a member of Osiris. Duffield is class treasurer, a member of Osiris, played on his class football team, was secretary and temporary chairman of the Finance Committee, and was on the Technique Electoral Committee. MacFarlin is prominent in the Cosmopolitan Club, and is a member of the Walker Club. Mason is British National Chairman in the Cosmopolitan Club. Morse was a member of the Technique Electoral Committee. Stone was a member of his class baseball team, was on the executive committee of the class during his Freshman year, is a member of Osiris, and was on the Technique Electoral Committee. Waitt was Managing Editor of THE TECH until recently, was on the class pipe committee, and has been a member of the Institute Committee from the class for the last three years.

These nominations have now been put in ballot form and are ready for distribution through the class. The ballots are due Friday at five o'clock at the Cage in the Union. The usual obligation about dues being paid before casting a ballot hold in this election.

GLEE CLUB REHEARSAL

At one o'clock at Copley Hall the Glee Club will have its final rehearsal for the Winter Concert. On account of this rehearsal, all the men who do not show up before five minutes after one, at which time the roll will be called, will be fined.

CALENDAR

Tuesday, December 16, 1913.

7.00 A. M.—Hockey Practice—
Arena.

1.00—Glee Club—Copley Hall.

7.45—E. E. Soc. Smoker—Union.

Wednesday, December 17, 1913.

4.00—1917 Executive Committee—
Union.

4.15—Boat Club Officers—Union.

7.15—Brotherhood of Saint Andrew
—Trinity House.

8.15—Harvard Hockey Game—
Arena.

THE TECH

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TUESDAY, DECEMBER 16, 1913.

In Charge of This Issue

Editors—P. W. MacNeill '15, G. W. Wyman '16.

Assistants—R. B. Stringfield '16, H. S. McQuaid '17.

Wide attention is being drawn at the present time to the educational system of Madame Montessori, the basis of which, as she emphasized in her lectures, Saturday, is the idea that the growing intellect should be allowed to develop itself naturally, with the minimum both of guidance and restraint from the teacher. The idea of bringing up a child in the way it should go simply by letting it choose that way, spontaneously and under the stimulus of powerful though unsuspected influences in its environment, is in some measure parallel to the ideas adopted by many teachers of science both past and present, and is the starting-point of the laboratory method.

The work at Tech is characterized by the nature and extent of the opportunities it offers for laboratory work. It is to be regretted that comparatively few of us appreciate the opportunity, or understand that our laboratory and field exercises are aimed to bring out our individuality in the attacking of problems which are to face us in our future professional work. To fail to grasp the importance of such exercises is to miss one of the corner-stones upon which the Institute's system is built.

We are sorry that the hockey management has apparently laid no plans for anything special to make Tech's big game bigger still, but it is not yet too late, and there may be a surprise in store for us. However, if nothing

ENGINEERING AND SCIENTIFIC NOTES

Our readers will doubtless recall the catastrophe which occurred in 1907 when the partially completed bridge across the St. Lawrence River near Quebec fell, carrying with it some eighty men to their deaths, wrecking four millions of property, and dampening the ardor of the engineers. But engineers are not the men to remain baffled, and now a second attempt to accomplish this difficult feat is being made. The new bridge, including its approaches, is to be over 3200 feet in length; and some idea of its enormous size can be gained from the fact that it will require 800 tons of lead to paint the superstructure. It is to be of the cantilever center span type. The central span, 640 feet long and weighing 6000 tons, is to be entirely assembled on floats along the shore, towed to its proper position, and then raised by hydraulic means to a sufficient height to give a clearance of 150 feet above the water. The control of such ponderous weights with exact precision will require many special contrivances and no little ingenuity. Some of the plans are given in an interesting article appearing in this month's issue of The Engineering Magazine. Owing to the severe winter conditions along the river it will be possible to work only eight months in the year, so that the bridge will not be completed before 1917 or 1918.

The same issue contains an article on the adaptability of auto trucks to the metal mining industries. The author cites facts which show that, even in the most adverse circumstances, the truck is superior to mule haulage. He concludes with the statement: "The motor truck offers itself as the only practicable solution of the problem for many years to come—and it is coming strong."

Some experiments of a recent date on telegraphing by wireless from trains running as fast as fifty miles an hour between two stations on the Lackawanna Railroad have proven the utility of such a means of communication, not only in regard to emergencies and for the convenience of passengers, but also concerning train schedules and the ordering in advance of special cars, equipment, or force, thus often saving valuable time at stops.

At the two stations, 65 miles apart, an ordinary Marconi outfit having a range of 300 miles is installed. The train outfit consists of small Marconi sets, the motor generator being driven by the train's dynamo. On each of four consecutive cars a quadrangular aerial is suspended on insulators only eighteen inches above the car roof. These aerials are connected in series and the lead taken from the middle point runs into the station located in the third car. The ground connection is made directly to the wheels of the car.

Throughout the run between stations the trains are in constant communication with one of the terminals a remarkable feat considering the restrictions placed upon the outfit by the nature of aerial.

is to be done, we hope that the student body will have sufficient enthusiasm to give its men on the ice the backing which means so much to a team composed largely of new men.

With the Winter Concert tonight, the Harvard game tomorrow night, and the little exams that will be sprung on us this week, we have busy days ahead until vacation.

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MR. D. S. GATES GIVES INTERESTING TALK

Secretary Of Boys' Work At Y. M. C. A. Speaks In Place Of Mr. D. M. Claghorn.

Mr. Don S. Gates, Secretary of the Boys' Work at the Boston Y. M. C. A., gave the T. C. A. talk Thursday instead of Mr. D. M. Claghorn, who had been expected. Mr. Gates is on the Advisory Board of the T. C. A. and was formerly General Secretary at the Institute. He explained that Mr. Claghorn had been prevented from coming by a bad cold, and said that he himself was only as an echo, when compared with Mr. Claghorn.

Mr. Gates told of the need of character as well as technical training in modern life. To illustrate the kind of men that are most successful, he told of a Dartmouth student who tried for four years to get on the varsity football team. This man was a good player, but each year some accident prevented him from getting into the big games. He did not give up, however, but kept on trying. He was pursued by bad luck, and never succeeded in making the team. In his last year he was awarded the "D," though he had not earned it by playing, as a reward for persistent effort, and the undergraduates approved the award by acclamation. As another example a Tech man was spoken of, who worked on the track during his four years without any success, and finally, during his fifth year, won a big race and received his recompense for faithful service. Mr. Gates said that these examples illustrated the qualities of pluck and endurance that make for success in life.

The large industrial firms which formerly desired their engineers to have technical training and experience, now lay stress on the firmness of character of a man they employ. Formerly the blanks which applicants for positions were required to fill out contained mostly questions calculated to bring out the experience and training of the candidates. Now many of these questions have been replaced by others which are designed to give an index of the man's character. Mr. Gates said he asked the head of the firm for the reason for the change, and the reply was that on one occasion an engineer in charge of some work the company was doing had caused entire suspension of operations for several days because he went on a spree. After that the firm required men of good character.

The speaker said that he liked his work among the boys because it gave him a chance to help them develop into men of strong character. He said that there was room for Tech men to help the Y. M. C. A. in its work among the boys, and explained that this work would help the man who undertakes it as well as the fellows that he teaches. Such work will tend to broaden the man who does it, and will strengthen his character. A part of the good that may be derived comes from the service involved. People who work only for themselves become very narrow and self-centered, and the work of unselfish service for others has its good effect on the doer. In conclusion, he said that the men we need are those who have strong character and who are willing to help in the advancement of humanity. Such men may be compared to the mountains and plains which form prominent features of scenery, or, as the poet says:—

"Give me men to match my mountains,

Give me men to match my plains,
Men with empires in their visions,
Men with eras in their brains."



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OUTDOOR TRACK PRACTICE

Coach Kanaly's Men Started Work On B. A. A. Tack Yesterday

Coach Frank Kanaly started the track squad running out doors yesterday. The board track set up by the Boston A. A. at the Oval on Irvington Street has been placed at their disposal and Frank Kanaly will keep his men on this track on clear days all through the winter. Tech was afraid that the privilege of using this track would be taken away this winter, owing to the fact that the property has changed hands. But the new holder has been kind enough to follow the custom of former years, and will permit the Tech runners to use it during the present season.

MR. LARSEN EXHIBITS

Rotch Traveling Scholarship Work Shown In 40 Pierce.

The Architecture Department announces an exhibition of the Envois of Mr. Larsen, to be open all week in Room 40 Pierce. Mr. Larsen is the recent holder of the Rotch Traveling Scholarship, having been one of the winners of a competition open to all American citizens under the age of twenty-seven. The work consists of measured drawings, details, reconstructions, water-colors, and freehand sketches, and includes some beautiful copies of mosaics from the Cathedral of Santa Maria della Pace.

SHOW BUSINESS MANAGER

All Sophomore candidates for the position of Assistant Business Manager of the Tech Show are requested to meet Business Manager C. R. Lord today at 5 P. M. in the Show Office. It is important that every candidate be present as this is the last meeting before Christmas.

EPISCOPALIANS MEET

The next meeting of the Brotherhood of Saint Andrew will be held at 7.15 in Trinity House, 93 St. James Avenue. The date was changed from Tuesday night to Wednesday night so as to avoid conflict with the Winter Concert. Mr. Kneeland will lead the discussion. The meeting is for members only and is a very important one as the subject of new members will be taken up.

LOST ARTICLES

Articles enumerated below have been found. Owners of same may obtain them at the Office of the Supt. of Buildings and Power.

- 3 Notebooks.
- 1 Fountain Pen.
- 1 Watch.
- 2 Pairs of Kid Gloves.

FACULTY NOTICE

First Year.

Professor Walker's conference in regard to Course X on Wednesday, December 17th, has been changed from Room 52 Pierce to Room 11 Eng B.

A. E. BURTON, Dean.

The rumor that Courtney, Cornell's veteran rowing coach would leave Ithaca next year is without foundation. Mr. Courtney has stated that any statement of this nature is untrue.

Winter track candidates at Harvard held their first practice at Soldier's Field yesterday afternoon.

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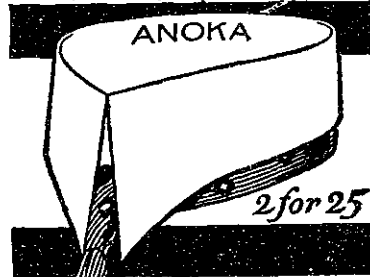
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