THE TECH

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GYM TEAM BEATEN BY SALEM Y. M. C. A.

Gott Is Tech's Star---Tumbling Of Salem Team Big Feature

In the first gym. dual meet of the year, Technology was defeated by the Salem Y. M. C. A. by the score of 35 1-2 to 27 1-2. The Institute did their best work on the horizontal and parallel bars. The excellent tumbling of the Salem team decided the meet; it was the most interesting exhibition of the meet. The summary:

Horizontal bar—H. S. Gott, Tech. first; Joseph St. Laurent, Y. M. C. A., second; B. Darrow, Tech, third.

Horse—H. S. Crocker, Tech, and Packard, Y. M. C. A., tied for first; Fossa, Y. M. C. A, second; R. W. Jacoby, Tech, third

Parallel bars—C. F. Doble, Tech, first; H. S. Gott, Tech, second; H. S. Crocker, Tech, third.

Club swinging—Blakely, Y. M. C. A., first; W. H. Baxter, Tech, second; C. R. Benton, Tech, third.

Single tumbling—Pelletier, Y. M. C. A., first; John St. Laurent, Y. M. C. A., second; H. S. Gott, Tech, third.

Double tumbling— Pelletier brothers, Y. M. C. A., first; St. Laurent and St. Amond, Y. M. C. A., second; Wilson and Gott, Tech, third

Flying rings—Joseph St. Laurent, Y. M. C. A., first; B. Darrow, Tech, second; Wilfred Leach, Y. M. C. A., third.

Wrestling—Fossa, Y. M. C. A., beat Smythe-Martin, Tech; Anderson, Y. M. C. A., beat Herreschoff, Tech.

The judges were G. F. Hoffman, H. H. Macherry, and D. Kaney.

TECH SHOW AT SHUBERT

The Queen Of The Cannibal Isles At Boston's Finest Theatre

The management of the Show has announced that Tech Show 1910 will be held in the Shubert Theatre.

This theatre is the newest in Boston and is incorporated with all the modern theatre facilities. It is about the same size as the Hollis St. Theatre, where the Show has been given the past two years; there are, however, fewer orchestra seats and more balcony room than at the Hollis, the total seating room being about fifteen hundred.

Every seat in the house affords a good view of all parts of the stage. The stage itself has, moreover, every appliance for the production of the cannibal scenic effects, which will be very important in the giving of "The Queen of the Cannibal Isles" next April.

The Show managers consider themselves very fortunate in being able to secure this theatre.

Vienna, Feb. 25.—Forty thousand troops are in camp at Dubnitza, Bulgaria, and at Kostendil, three hours' march from the Turkish border, according to the report of a military observer to a friend in the Austrian army. A branch department of the Bulgarian general staff was established last week at Dubnitza. Officials from the Sofia war office are continually arriving and departing.

Annapolis, Md., Feb. 24—The school children of Maryland have just selected the "black-eyed Susan" as the official flower of the state. This important decision was duly entered in the minutes of the State Board of Education yesterday.

PROF. DALY SPEAKS TO MINING SOCIETY

"Hawaiian Volcanoes" The Subject Of Interesting Lecture

"The most interesting part of the United States," was Prof. Daly's introduction to his lecture on "Hawaiian Volcanoes" to the Mining Engineering Society last night. He said that this country is the most interesting not only by virtue of its unexampled geological features which he was intending to describe but also commercially and from a strategic standpoint as a military base in time of war. The white population, while not numerous, is unusually active and successful. The climate was also described as most alluring.

Then starting with the southeastern island of Hawaii he discussed the group geologically, leading his hearers by his graphic descriptions over the peculiar topographical sections of this group to the northwestern island of Kauai. By observing this order the lecturer was able to illustrate the progressive stages of vulcanism from the active erupting types in Hawaii to the older eroded lava deposits.

The two largest craters in Hawaii, and indeed in the world, are Kilauea and Mauna Loa. The first named is a volcanic sink three miles long containing an active lake which varies in size. In this boiling lake of molten rock is situated a violently disturbed center which is supposed to communicate directly with the internal reservoir of molten magna. This center is called "Old Faithful," and, like the geyser of the same name it erupts periodically. It differs, however, in that it erupts every 35 seconds projecting rock whose specific gravity is three. This molten lake is covered by a thin scum of partially solidified lava which is torn and twisted by the explosions beneath its surface showing glimpses of the glowing heat beneath. At several places on the outskirts of the lake are caves into which the lava rushes and explodes violently because of the superheating of the enclosed gases.

Mauna Loa has many similar features but here the action is often much more violent and lava is frequently shot 800 to 1000 feet into the air. In the great crater of Mauna Loa are found 156 smaller cones.

The scene here is not particularly spectacular in the day-time but at night the playing colors of the seething mass will hold the observer enchanted until dawn. The unusual activity of this volcano may be explained by the hypothesis that it is fed by an active laccolith or subterranean cavern filled with molten magma. If this be true it is the only modern example.

He then touched on the other islands of the group beginning with Maui where is found the huge remains of a once gigantic crater. Half of this has, by some upheaval, been dropped into the Pacific. Kaui is remarkable for its deeply eroded canons.

With a picture of Mt. Baker on the screen Prof. Daly concluded by pointing out the vital connection between Geology and Mining and especially in the direction of Vulcanism as explaining the origin of ore deposits. He said in part. "All practical and applied science has come from pure science and I think that this is another case. Brilliant men are going into this kind of work and they are needed. They can make millions of dollars." Through the efforts of Prof. Jaggar the Institute will probably be able to establish an obser-

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SENIOR CLASS TO AID PORTTOLIO FINANCIALLY?

Constitution Amendment And Finance Committee To Be Considered

At the senior class meeting today ot one o'clock, in Huntngton Hall, a number of important matters are coming up. The class assessment for this term, the approval of the new Finance Committee, and the constitutional amendment must all be acted on. In addition, two matters of vital importance to each individual member must be decided. These are: first, the question as to whether the class will assume financial responsibilty for the Senior Portfolio that is receiving the profits or paying the loss, as the case may be; and second, to decide what members of the class are eligible for the Class Day Committee so far as influenced by their non-payment of class dues and by the number of courses they are taking in the fourth year. These matters are worthy of the interest of every member of the class and a large attendance is desired.

Whatever action will be taken by the senior class with regard to the Finance Committee and the constitutional amendment will be watched with great interest by the whole Institute. These questions are being put up to every activity, class or organization, and what the seniors do will very likely greatly influence the rest.

The Finance Committee's scheme is that a committee of representative alumni be appointed to oversee the financial matters of the activities. The purpose is to see that the name of the Institute is not hurt by the non-payment of bills contracted by organizations. It will see that this is done either out of the real profits of the organizations or out of their pockets.

Editorial comment on what the constitutional amendment means will be found on the second page.

TECH DEFEATS LOWELL

Technology outplayed Lowell Textile at Lowell last night, and defeated them by the score of 49 to 17. The summary:

Tech		Lowell
Bennis, r f		l b, Phillips
Ell, l f		r b, Manning
Johnston, c		c, Bailey
Crocker, r b		l f, Flynn
Parker, l b		r f, Pensel

Goals from floor—Parker 9, Johnston 5, Ell 3, Bennis 3, Manning 3, Flynn 2, Crocker 2, Pensel 1, Bailey 1. Goals from fouls—Tech 5, Lowell 3. Referee, Wood; scorer, Darling. Hale. Halves, 20m. 15m.

Boston, Feb. 24—The State officials on pure food products are conducting a campaign against impure olive oil, which they claim has been sold by many dealers in the North End. Inspector Marion claims that in many of the cans or bottles, which claim to contain olive oil, there is a large percentage of cottonseed oil.

Boston, Mass., Feb. 24—Bishop Lawrence suggests a new memorial for Phillips Brooks. He advocates finishing the interior of the parish church. However, the authorities of the church will give this matter little consideration.

Washington, Feb. 24—From an authentic source it was learned today that two battleships of 28,000 tons each and several other naval vessels will probably be recommended for construction this year.

DEMAND FOR RUBBER GREATER THAN SUPPLY

W. W. Duncan Asserts That This Is Cause Of High Prices

The amendment to the constitution of the Chemical Society, suggested by the Institute Committee, was the first business to be taken up by that society at their meeting last night. The amendment, which reads: "This organization hereby gives authority to the Institute Committee to enforce any measures which the latter may deem advisable," was discussed by members of the society and by members of the faculty present. At the end of the discussion, Pres. Geo. F. Lunt called for an expression of opinion through an informal vote. From this it appeared that the majority of the members present believed the amendment to be altogether too sweeping in its conference of power, but would find it acceptable if it were made applicable only to the enforcement of the point system. No definite action was taken on the matter.

The speaker of the evening was Mr. W. W. Duncan, '04, a graduate of Course X who is now chemist for the Hood Rubber Co. of Watertown. Mr. Duncan first gave a short account of the early history of rubber. This substance was first mentioned in 1556; in 1736 the name caoutchouc was applied to it; in 1823 rubber articles were first manufactured in England. Goodyear, an American, in 1839 discovered the process of vulcanizing by means of sulphur at a high temperature. A method for the synthesis of rubber has been sought since 1882, and although a process has been patented in England, the method described in the patent has never been successfully repeated. In 1904 an India Rubber research laboratory was established by Dr. Webber in Boston. Dr. Webber's plan was to organize all the Rubber Mnufcturers so tht they could jointly carry on research work, and could standardize the methods of analysis. Dr. Webber died in 1905, and his laboratory was taken over by the Hood Rubber Co.

The process of gathering the sap of rubber trees and preparing the crude rubber for shipment was next described and illustrated by large pictures. The crude rubber when it reaches the factory is first washed and made plastic; then it is dried in a vacuum dryer and is next mixed with the ingredients necessary for the vulcanization. This plastic rubber is molded over aluminum lasts for boots and shoes, or it is worked into tires and other rubber articles. These molds are sent to the vulcanizers, where they are heated to 270 degrees F. by means of steam coils. The articles are then varnished, finished, and packed for market.

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CALENDAR.

Friday, Feb. 25.

1:00	1910 Class Meeting, Huntington Hall.
8:00	Military Hop, M. I. T. Cadets, Howe Hall.

Saturday, Feb. 26.

3:00	Indoor Track Meet, 1912 vs. 1913, at Gym.
7:30	Mining Engineering Society, Union. Illustrated Lecture by Prof. Daly on "Hawaiian Volcanoes."
8:00	Basket-ball. Tech vs. Maine at Gym.
8:00	Gym Meet. Tech vs. Amherst at Gym.