

The Tech



1901

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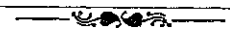


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THE TECH

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For the benefit of students THE TECH will be pleased to answer all questions and obtain all possible information pertaining to any department of the College.

Contributions are requested from all undergraduates, alumni, and officers of instruction. No anonymous manuscript can be accepted.

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Thanksgiving date of all ye yeate
a daie most puritanical
brings thoughts of turkie and goode cheere
and all tbings emblematical.

COLD weather, the wave of football and the appearance of the once proud and haughty gobbler at every market-place, warns us of the approach of New England's time-honored day of thanks. Thanksgiving Day, the revered and noble legacy of our Pilgrim forefathers, finds Tech men well along in the work of the term. The Freshman has now entered Tech life, no longer as a pronounced enemy of the wily Sophomore, but as a fellow-student willing to lay aside his petty troubles and prejudices, and ready to uphold

in his turn the honor of the Institute. Class elections over, the Sophomores and Juniors have ceased discussing politics, and are looking ahead to events which the future has in store for them; while the Senior, rushed by the amount and nature of his work, is now beginning to think of his thesis. In the midst of these things comes the Thanksgiving holiday, and the short respite from work will be welcomed by all.



E notice an evident tendency among the students, especially in the engineering courses, to slight those studies, such as English and History, which have no direct bearing on their technical work. Such a tendency is inevitable in a school where so much time necessarily has to be given to mathematical and engineering studies. Moreover, it is perfectly natural for students, who always have just a little more work than they can do, to slight those studies which do not seem essential to them. But that is just the question: Are these studies not essential? While we have no intention of saying that a familiarity with Shakespeare will make a man a better engineer, or that a knowledge of Spencer's prose will teach him how to set a valve-gear, still we do say that it is more important for him to be a man than an engineer; more important for him to know how to live than how to run an engine. We noted in a previous issue that Dr. Pritchett has under consideration plans for increasing the amount of time devoted to the study of English. If such an increase should come, we hope it will be greeted not as so much "rot," but as an added opportunity.

Civil Engineering Society Smoke Talk.

The first regular smoke talk of the Civil Engineering Society was held Monday evening at the Technology Club House. According to President Pritchett's wishes, it was a perfectly informal affair, and refreshments were served. A very large number of students were present, who thoroughly enjoyed the evening, and listened to some very entertaining and instructive words from Mr. Breed and Mr. Flannery on the "Relations of the Contractor and Engineer." The subject was a very interesting one, as it affords opportunity for the telling of personal anecdotes, and was a very important one on account of its direct bearing on the work of a young engineer.

Mr. Flannery, at present contractor on the Weston Aqueduct, opened the smoke talk with a discussion of the "Relation between the Contractor and Engineer," from the standpoint of the contractor. Mr. Flannery is a Virginian, and has had a varied experience of eighteen years in all parts of the world. In these years, he stated that, with a few exceptions, his relation with engineers had always been amicable and of the best. He cited two or three of these exceptions. The gist of his remarks was that the contractor is second in power, entirely at the mercy of the engineer. If the engineer is honest in the performance of his duties he must treat the contractor fairly and squarely. This is all the contractor can expect, and, by so doing, the engineer in no way conflicts with his duties toward his employer. Later in the evening Mr. Flannery gave, as he put it, some points from the standpoint of the hobo, better known in British Honduras as ballast.

Mr. Breed, of the Department of Civil Engineering, discussed the topic from the engineer's point of view. Mr. Breed began with a discussion of the legal relation between the contractor and engineer, stating that the engineer's word as to whether or not work

had been properly done was considered final, unless the contractor could prove a collusion between the engineer and employer. Passing on to the professional relations, he showed how important it was for the young engineer to obtain the good will and confidence of his superiors, in order to have their support in any disputed question, and how it was impossible to obtain this confidence without personal fitness for the work. With regard to the personal relations of engineer and contractor, Mr. Breed considered that they should be of a very limited nature, on the principle that it was pretty hard to condemn a man's work when you had dined with him the night before. Finally, Mr. Breed stated the necessity for absolute honesty on the part of the engineer, with regard to all attempts at bribing.

Mining Engineering Society.

Friday afternoon, November 15th, President Pritchett gave a very interesting talk before the members of the Mining Engineering Society on "The Relations of the Young Graduate to Professional and Business Men."

At a business meeting held immediately after Pres. Pritchett's address, a well-executed design for the Society Shingle, drawn by B. E. McKechnsie, was officially accepted. A dinner committee was then appointed to arrange for a society dinner at no distant date. Before the meeting closed some twenty new members were elected from the two lower classes.

At Tech.

FIRST GRIND — "I see Jones is not back this year."

SECOND GRIND — "No. The Faculty pardoned him out two years before his term was up." — *Lampoon.*

The Tech Student's Thanksgiving.

"Life is but an empty dream."

He was seated on the small of his back in the spacious car seat and was watching the flying landscape. The train rushed through a thick pine woods, startling some crows which were rocking in the topmost branches, then it whirled across a clearing dotted with black stumps pushing through the snow. A shrill whistle, and it banged over a grade crossing. A pung filled with hay and shouting children waited for it to pass; probably the driver for the district was taking them home from school. They were to have a vacation, too,—and the Tech man gave a grunt of satisfaction and slide farther down upon his back. Familiar scenes appeared. There was the trout brook, an icy track through the bare woods and across the pasture. And here was the old mill with the swimming pool above the dam.

Grandfather, with a generous grin framed in his grizzled beard, wrung his hand as he stepped from the train. Old gray Dolly was impatiently shaking her head and pawing the snow. From beneath the big buffalo robe the Tech man looked across the interval. The shadow of the hill was pushing out across the valley as the sun dropped into the western sky. Here and there a little black ribbon of smoke working upward, marked a home. He felt an exhilarating tingle creep over him and drew his fill of the fresh, bracing air. Why had he ever worried about studies!

Grandmother met him at the kitchen door with apron over her dear gray head, and behind pushed and tussled the rising generation. All were there, mother, father, uncle, aunts and *she*. *She* had been away to boarding-school. Pigtailed and short dresses were things of the past. He wondered if she had become too old to "tread load" now.

After supper all gathered before the fire and roasted chestnuts and told stories. Cousin

Tom wished to play checkers. The Tech man never played checkers except with Cousin Tom. Cousin Tom cleaned the board, game after game, greeting each victory with a derisive guffaw. Uncle Bill watched the game closely, but remained silent until the Tech man had relearned the game and turned the tables. He didn't need to contribute his guffaw. Uncle Bill attended to that. One defeat was always enough for Cousin Tom, so the checker-board was put away until the next visit.

Then came the healthy sleep in the big, high bed with the heavy quilts, then the hurried dressing in the morning with the mercury at zero. He didn't mind that, he was having a vacation! Before breakfast he went out to the barn to watch the milking. He climbed to the loft and tried the old jump down into the hay, then stopped to pat old Billy and rub his warm nose, while jealous Mouser rubbed her winter coat off upon his trouser-legs.

After breakfast came a tramp in the woods. He shot no partridges; but he had the tramp, and a rousing appetite for crisp, juicy turkey and plenty of grandmother's thick pun'kin pie. A frolic in the snow making snowmen for the youngsters settled dinner. Then he hitched up Dolly in the high-backed, yellow sleigh, and he and *she* went for a ride "down the road." They called at the Brown's, down in "the Gully." After a merry molasses-candy-pull, with nuts and russet apples, they hitched-up for home. He suddenly became thoughtful. *She* was seated close beside him. A loose wisp of her hair blew against his cheek and its magic touch sent a thrill of strength and protecting manhood surging through him. He looked down at her. He needed no light to know that she looked pretty. She felt his gaze and looked up. He examined the stars. How small they seemed, twinkling cheerily away up in the cold sky. He tried to say something; but he still watched the stars and remained silent. How contented he felt! He wondered if she would—

Eh! Oh yes, let $N =$ the normal pressure, then — *und so weiter*.

Tech Push.

(With Apologies to Gillett Burgess.)

There's a game of ball at Cambridge,
And we Tech men all are out
For the Blue or for the Crimson,
You can hear us gaily shout,
All about.

We will cut our recitations if
Our hours are not free,
And we only say, "The game to-day
We've surely got to see."

Yet our 'Varsity's disbanded,
High and dry we left them stranded;
They could win for us with glory,
Or still fighting nobly, fail,
But we never paid attention,
Never gave them thought or mention,
While we went to yell for Harvard,
Or we went to yell for Yale.

Now our rooters at the gridiron
Were silent as in church,
And we voted down our 'Varsity
And left them in the lurch,
With a smurch;

For we pay out cash in plenty,
To go through the Harvard fence;
But for the play of Red and Gray
We'd not give in thirty cents.

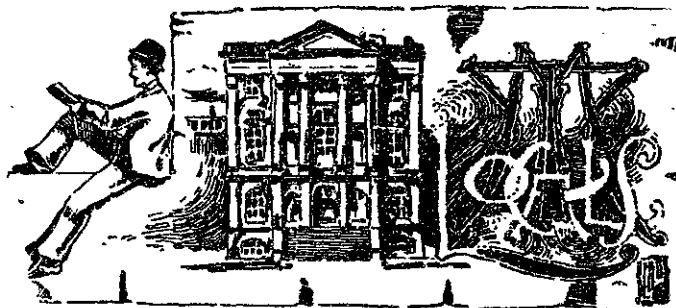
Isn't it a bit amusing
That our maximum enthusing
Is o'er Soph. and Freshy contests?
While for Tech our spirits stale,
And we are not much elated
When we think how Tech is rated;
But we pay to yell for Harvard,
And we pay to yell for Yale.

Calendar.

Thursday, November 28th. — Thanksgiving Day Recess.
Rise promptly at 12.30.

Friday, November 29th. — The first meeting of L' Avenir,
Room 22, Walker, 4.30 P.M.

Saturday, November 30th. — Hare and Hounds run from
Newton Highlands. Leave Trinity Place Station at 1.54.
local. The Hare and Hounds run next Saturday is to be
from Newton Highlands. Leave Trinity Place Station at
1.54 P.M.



The next concert of the musical clubs will be held on December 6, in Town Hall, Arlington.

The first meeting of L'Avenir will be held next Friday, the 29th, at 4.30 P.M., in Room 22, Walker Building. Professor Rambeau and the instructors in French will be present.

A copy of the 1903 class photograph will probably be posted in the corridor of the Rogers Building sometime this week. The price of the photograph is to be one dollar, and orders should be given to J. T. Cheney or to some other member of the committee at once.

The following men are entitled to wear a "Football" 1904, through their participation in the class games of 1904 vs. 1905: Boggs, Roberts, Hunter, Raymond, Tomkins, Fairfield, Cockerel, Smith, Keene, Lang, Metcalf. In addition to these, White, Bradley, Bary, Anderson, Card, Curtis and Emerson earn their numerals for a second time.

C. W. Hearn, 392 Boylston Street, is Senior Class photographer. Members of the Senior Class who wish to have sittings before Christmas should make arrangements at once, either with Mr. Hearn or with the members of the Class Photograph Committee, which consists of: M. Brodie, II.; L. Cates, III.; C. T. Bilyea, IV.; E. Le Roy Brainard, I.; A. W. Friend, VI. The prices will be as follows:— Carbonettes: first dozen, \$3.00; additional dozens, \$2.00; 50 with 4 panels and 2 platinums, \$8.00. Platinums: first dozen, \$4.50; additional dozens, \$3.50; 50 with 4 panels and 2 platinums, \$12.50.

The management of the Cross Country Team is endeavoring to make arrangements with the Harvard Cross Country Team for a race. If such arrangements are made, it is probable that the men will be required to eat at a training table which will be provided at some near-by restaurant or hotel.

Welsh Rarebit.

Requisites for three persons — Half pound of cheese; two eggs; butter, piece size of an egg; small half cup of Bass's ale or milk; half teaspoon mustard; small amount of celery or table salt; pinch of cayenne; dessertspoon of lemon juice and same amount of Worcestershire sauce: a watchful eye and a lot of care.

Directions: — Put ale and butter in pan over water bath. When smoking hot put in cheese, which has been grated or cut very fine and over which has been sprinkled the mustard, salt and pepper. Have the eggs lightly beaten, the whites and yolks in separate cups. As soon as the cheese is of the consistency of cream, pour the eggs in slowly, yolks first.

Do not under any circumstances stop stirring.

As soon as well mixed remove the water bath and hold the pan over the naked flame until the contents boil. As soon as they are smooth and bubbling, gently pour in over the surface the Worcestershire and then the lemon juice. Keep up the stirring. Serve on red-hot toast or biscuits. The addition of a little Chutney on the dished rarebit will add to its savour.

For stirring a fork is to be preferred to a spoon. For larger dishes increase in proportion.

The above is an old recipe of an English cook, and has never proved to be other than a great success. Success depends upon a quick eye and nimble fingers.

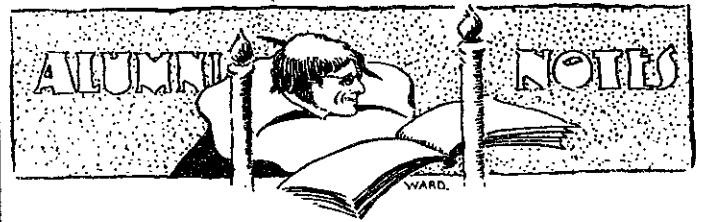
Several requests have been made for the foregoing recipe. Mrs. King has kindly provided the much-coveted facts, and the Tech man has now ample reason for absence from lectures.

The Society of Arts.

The 558th regular meeting of the society was held at the Institute, Room 22, Walker Building, Tuesday, November 26th, at 8 P.M.

Mr. Alex. Jay Wurts, manager of the Nernst Lamp Company, addressed the society on "The Development of the Nernst Lamp in America."

The hall was lighted with Nernst lamps. Comparative tests between the Nernst and incandescent lamps were made at the lecture table, and the details of the lamp were exhibited and fully explained.



'69. Channing Whitaker is investigator of questions of infringement and patentability for the Lowell Machine Shops, Lowell, Mass.

'92. Thomas C. Wells is assistant electrical engineer of the New England Telegraph and Telephone Company.

'97. Percy M. Smith is with the Lawrence Manufacturing Company, Lowell, Mass.

'97. Faustine A. Perez is now located at Parras, Mexico.

'99. Edwin F. Samuels holds at present the position of inspector, Lowell Machine Shops, Lowell, Mass.

'00. Robert H. Clary, III., has opened an office in Seattle, Wash., as consulting engineer, and is engineering the Municipal Water Works System of Mt. Vernon, Wash.

'00. F. A. Werner, XIII., has opened a studio in Berlin, Germany.

'00. H. L. Walker, IV., has charge of the draughting room of J. H. Dinwiddie, architect, Atlanta, Ga.

'01. C. R. Hammond, VI., is with the General Electric Company, Schenectady, N. Y.

'01. H. M. McMaster, VI., is with the General Electric Company, Schenectady, N. Y.

'01. C. F. Willard, of the draughting department of the Eastern Shipbuilding Company, has started a class of about a dozen members in the study of naval architecture at Groton, Conn.

'01. George D. Atwood, II., is with H. W. Bulkley, engineer, New York, N. Y.



Notwithstanding the protests of the public against the using of the water of Niagara Falls for power purposes, the contract for the building of a large electric power plant on the Canadian side has been awarded to the Canadian Niagara Power Company.

At the McGill University, Montreal, the engineering building is now lighted by a 300-kilowatt storage battery. This does away with the necessity of keeping the steam plant continually running.

A driver of an automobile in Springfield, Mass., recently showed great presence of mind. His machine caught fire, and instead of calling out the fire department, he ran the machine to the nearest fire-house, and there had it extinguished.

The remarkable conservativeness of the English is shown by the fact that the gas companies do not as yet consider the electric light a dangerous rival.

An English clergyman named Bacon has been making balloon ascents in and around London with a view to ascertaining the sources of the London fog.

Seventy-five per cent of the whole number of freight and passenger locomotives in use in this country are compound.

The experiments with acetylene gas in the signaling department of the English army have been very successful. The gas has proved itself far superior to the oil or lime-light.

It has been thought that wireless telegraphy could be used to advantage on the Sahara Desert in communicating between the oases.

It has recently been demonstrated by experiments that yellow fever is carried around by the mosquitoes. Out of eight persons bitten by infected insects in Havana but one came out unaffected.

The horse-car lines in New York exceed in length those of the rest of the cities of the United States combined. In this particular New York is behind in improvements.

NOTE.—This department makes no pretence at scientific research, but seeks to note facts appearing from week to week which are of scientific interest. Contributions are solicited.

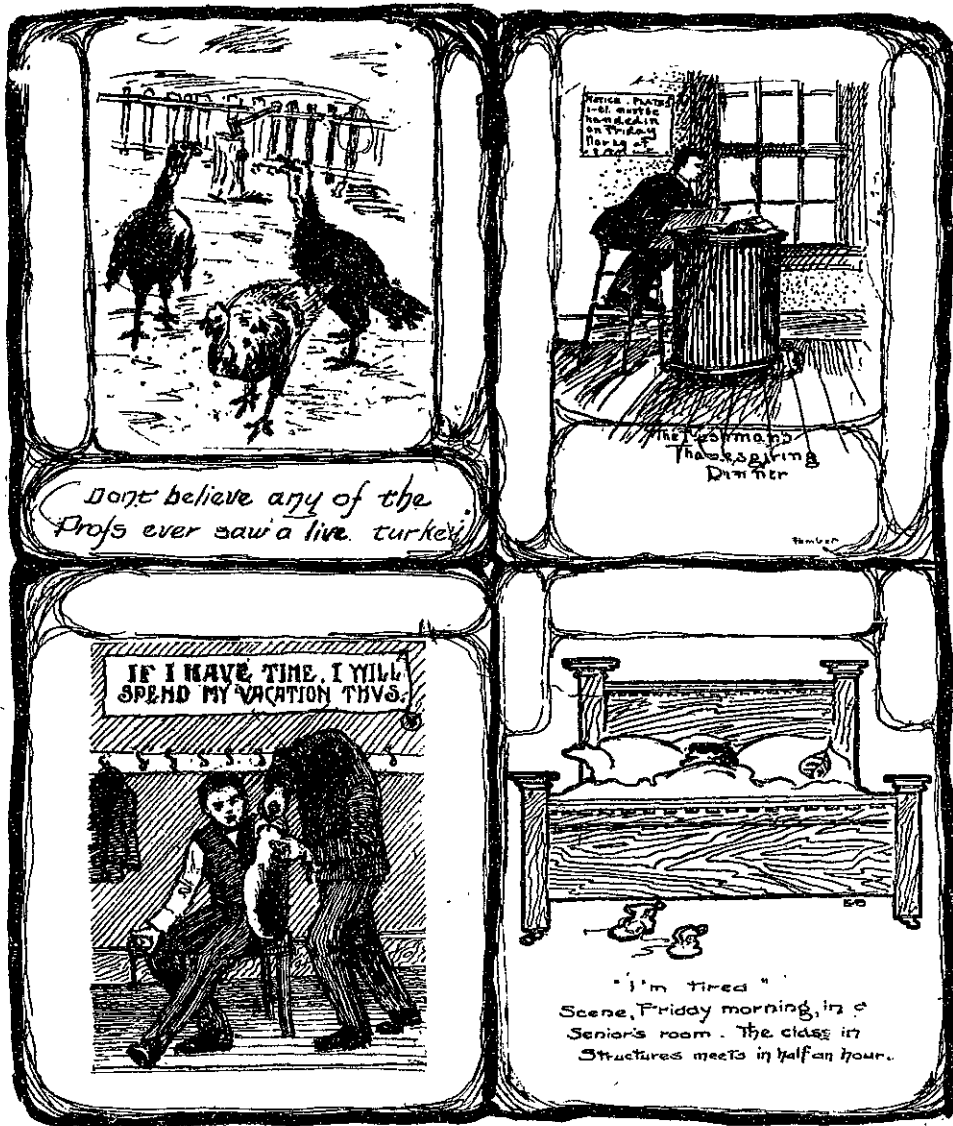
Hare and Hounds.

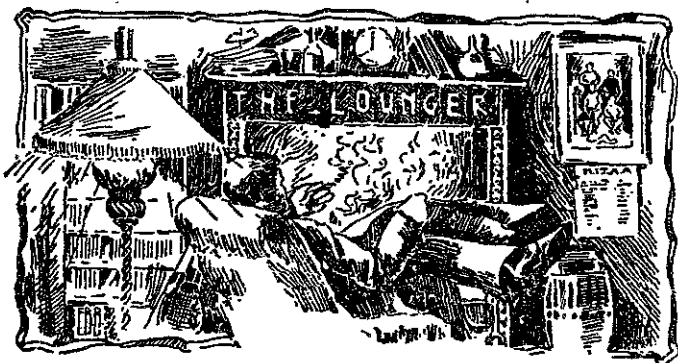
The fifth run of the Hare and Hounds Club was held last Saturday from West Roxbury. Owing to the discouraging weather and to the game at Cambridge, the attendance was only half that on the previous runs. The men out, however, made up in enthusiasm what they lacked in numbers.

A. W. Pearson, '03, and A. P. Porter, '04, were the hares, and laid a trail of seven miles, rather well, considering the wind; but the stretches of wet footing were not inspiring on such a cold day, and part at least might have been avoided. The trail crossed Billings' Field, and went west to Brook Farm, and around Mt. Benedict, across the Weld estate, nearly to Roslindale, and then up Bellevue Hill. The finish was straight down Bellevue Street.

The fast bunch passed the slow bunch about midway upon the run, and finished five minutes ahead. Captain Worcester was first in, with Riley, '05, at his heels, and Pember, '02, close behind. In the slow bunch Flinn, '04, held the lead all the way down Bellevue Hill, although Wetmore, '02, made a good effort to catch him. The latter was second, with Ovington, '04, and Hunter, '02, following next in order, and well ahead of the rest.

H. B. Pulsifer '03 has been appointed Vice-Captain, to fill the vacancy caused by the resignation of H. H. Gould, '04.





Thankful? Yes, THE LOUNGER is thankful: much more so, indeed, than he had expected to be. For has not the Faculty granted a whole, complete, and entire day's leave of absence for the celebration? That the much desired three days of vacation should be cut down to two was no more than was to be expected, — and, indeed, that the two should be incorporated into one is only a pretty, — though left-handed — compliment to the institution of matrimony which is itself second only to the Technological Institution in popularity. But this anti-expansion movement seemed destined to even greater works: — rumor suggested that only the afternoon of Thanksgiving Day was to be given to the students: then came the report that the maximum allowance was to be merely the customary hour for dinner — and lunch-room stock was at a premium, then — and finally came the ominous whisper that even the noon-hour was to be withheld, so that later a whole day could be granted for Christmas. Then suddenly, like the sun out of a cloudy sky, — or like the 22-0 score in the Yale football game — came the official announcement that the technological populace was to have the whole day. And THE LOUNGER, was thankful. The shock was great — but joy seldom kills; and THE LOUNGER, now restored to his Morris chair, underneath the Tech office banquet lamp (the last Christmas gift of the Faculty), marvels no longer as to what the world could do *without* the Institute Faculty, but what Thanksgiving can do *with* it.

And still THE LOUNGER is thankful. *The Tech* is now in its twenty-first volume; and in that number of years THE LOUNGER has become established in good psychological habits. The revised edition of the Old Farmers' Almanac says — in large letters printed longitudinally beside the November calendar — “*Now prepare to be thankful.*” Somewhere around the last week of the month appears an asterisk, and following it the preremptory scriptural quotation, “*be thankful.*” And so, just as surely as November nears its close, THE LOUNGER'S heart swells, his eyes beam, his mouth widens: he is *thankful*.

Yet there are good and sufficient reasons, this year, for THE LOUNGER perennial exuberance. His friends, the students of Yale College, visited various of the younger brothers of their lady friends in Cambridge, played ball with them, and made the young-

sters happy by indulging them with the winning of the game. THE LOUNGER commends this patronizing spirit. He himself once knew the fascinating witchery of somebody else's sister's eyes. It is worth a game. Defeat is, verily, only victory in disguise. A game within a game: lose the smaller, gain the larger. What is *twenty-two to nothing to sweet 16 to keep?* Just such thoughts as these, doubtless, animated the hundred Freshmen of Technology, when they trooped through the Boston streets on Saturday night, locating themselves in front of Keith's Theatre and shouting for “Yale,” as encouragement for the Harvardians within. Impressed by the same scriptural influence that moved THE LOUNGER in his last week's effusion (vide the twentieth line from the end), they emphatically reiterated many biblical allusions, chief among them being the often reiterated opinion that “Tech is Hell.” THE LOUNGER was not one of them; and — is thankful.

Still once more THE LOUNGER is thankful. The Technology flag has been chosen, and chosen well. As a sinuous compliment to the Bursar, the banner was made to resemble closely the Chinese imperial standard; at the same time, out of deference to Course XIX., — the Lunch Room, — it was shaped like a ten-cent piece of strawberry pie. An inner triangle serves as a pat on the back to the Christian Endeavor Association, while the wedge outline of the whole contour is typical of the Institute of Technology itself. Looked at as standing on the base *a, b* (See Wells' “*Hours in a Kaleidoscope,*” D. C. Heath, 1901), the pyramid suggests the Institute's organization: President at the top, then the Secretary and the Bursar, side by side, — then Thompson, Skarstrom, and Mrs. King, and so on down to the student mass in the long line at the base. Revolved through ninety degrees on to the base *b e*, the design is typical of the decline in numbers of students who go through the Institute course: large at first, tapering down to approximate zero as the end of the fourth year is reached. Ninety degrees more, the design — now in a V position — suggests, figuratively, the outline of the tree the student must climb to get the S. B. hung at the top. The third quadrant's revolution turns it on to base *c a*, showing the expansion of a point into a lengthy perpendicular, clearly symbolical of the flunks that are distributed during the student's first year at Tech. The legend is simple: yet it fits the subject to a T. It is complementary to the D that is so numerous on the intermediate reports: while the product of the two, T D is not only the mathematical formula for the length of a physics lecture in terms of the desired unit of time, but also appears carefully engraved in the white clay bowl of THE LOUNGER'S pipe. Reversed in position, the product appears as D T, the symbol of chapel. Thus are all the departments of the Institute represented. “Which” — as Wells says in his latest novelette — “was to be proved.”

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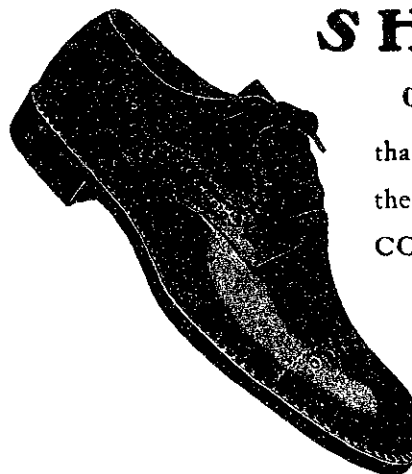
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Colonial Theatre. — Miss Julia Marlowe in “When Knighthood Was in Flower,” is repeating her former Boston successes. She appears in the

guise of a spoiled but charming vixen, who alternately browbeats and wheedles everybody. The scenes are laid in England early in the sixteenth century.

Tremont Theatre — Mr. E. S. Willard in “The Cardinal,” for the rest of this week. Next week Augustus Thomas' old-time favorite, “Arizona,” will be given by a peerless company. The play is too well known to need describing.

Boston Museum. — “Sky Farm” continues its well-warranted popularity by entering on its ninth week. It is full of fun, love and character studies of homely natures.


Columbia Theatre. — “The Mikado,” by the Grau Opera Company, continues for the rest of this week. It has made a decided hit. Next week “Bocaccio” will be given.

Castle Square Theatre. — “What Happened to Jones,” the old favorite farce comedy, will be given for the rest of this week. Next week an elaborate production of the English drama, “Harbor Lights,” is announced.

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