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# THE TECH



1955

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# THE TECH

VOL. XXII.

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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.*

*All communications with the Alumni Department should be addressed to the Alumni Editor.*

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### TECH THINKERS, ATTENTION!

THE TECH board is at the present time seriously considering various more or less radical changes in THE TECH, with the idea of publishing a paper which will be more truly representative of the Institute, of greater interest to the students and instructing staff, and which will receive a more hearty and cordial support than, we are sorry to say, THE TECH has received in the recent past. To give in detail the changes under consideration would be just now somewhat premature, but we may perhaps state that Dr. Pritchett is in part responsible for the plans being considered. But to

come to the point: THE TECH board realizes that no one ought to know better what in a school paper like THE TECH would be most attractive, interesting and valuable to the students of the Institute than the students themselves. We therefore request those who are interested in their school paper — for it is *theirs* — to freely make any criticisms or suggestions in regard to the form, matter, conduct, price, etc., of THE TECH. Such suggestions or criticisms may *at this time* be particularly valuable. We shall be very glad for any communication from *anyone*, and will perhaps be able to print some of them, if of sufficient interest to TECH readers. We hope in particular to hear from that very important class of men at the Institute — the men who very quietly mind their own business and say little, but who, nevertheless, think a good deal, and, when occasion arises, *can* speak, and speak well. We believe this is one of the occasions for them to do so.

### GROWTH.

THIS year the number of students at the Institute has reached the extraordinary high number of sixteen hundred. This great increase in the number of students may have been partially due to the action of men entering at this time with the idea of avoiding the rise in tuition fee which will come into force with next year's class. Still, this cannot fully explain the growth, especially as we understand that the number of students taking preliminary examinations has shown no marked decrease. It must rather be considered as another and stronger expression of the growing interest

with which our college is regarded by the public. It must be a matter of congratulation to the faculty and corporation of this Institute to receive this undeniable recognition of the value and worth of their labors, and to know that their college does supply a want,—a constantly increasing want of the community.

Nevertheless, the problem of handling this increasing body of students, and of furnishing them with buildings and classrooms, workshops and laboratories, becomes each year more and more difficult. At present our new Lowell building has provided room for the immediate future; but if the applications for admission continue to increase at the present rate, the time is not very far distant when a crisis will be reached, and some change in the policy of the Institute will be necessary. Either the college must move into the country, or the entrance requirements must be raised. Either plan has its advantages, either its disadvantages. One plan would increase the size and scope of our work, the other its grade and quality. The question is one of great interest to the student, and one in which he has his own views. In whatever way the matter is finally settled by the good judgment and sense of the corporation and faculty, we feel sure that the decision will receive the support of the student body.

#### WHERE ARE THE STARS?

**I**T is a fact to be deplored that men having won their "T" or class numerals, do not continue to come out for meets.

While these men have rendered real service to Tech,—and we have shown and wish to keep on showing our appreciation of it,—still it is the duty of each to uphold a reputation once gained. It is these track athletes who should be the genius of success of the fall meet. It is these football players, relay runners and tug-of-war pullers who should be getting the class teams into shape

for the Technology field day. Athletics at Tech have advanced much in the past year, and it is "up to" the men who helped so much last year to go on with the good work this year.

#### AN OPINION.

**W**E call attention to an interesting article on the Freshman-Sophomore contest, which may be found in another part of our columns. As the article states, last year's games were more or less of an experiment, and the form of the contest is not necessarily entirely settled. It is quite possible that something might be substituted for the Tug-of-war with good results, and a consideration of the question is certainly not out of place. We should be glad to print any suggestions on this matter that students may wish to send us. It also might be a good plan to take a vote of the student-body on this important question and let them decide what the form of the contest should be.

#### Technology Field Day.

Technology Field Day will be held this year on Saturday, Nov. 15, the first event to take place at 2 P.M.

There will be three events, to be held in the following order:

First, a football game; second, a relay race; third, a tug-of-war.

The conditions governing same are as follows:

Football game to be held between eleven (11) men from each of the two classes. The game to be two (2) twenty-minute halves, with a rest of ten minutes between the halves. Current rules governing intercollegiate football games to apply.

A relay race of two (2) miles to be run by twelve (12) men from each class, each man to run one-sixth of a mile. The sequence of

runners shall be assured by the passing of a flag from man to man, these flags to be provided by the management. The rules of the New England Intercollegiate Association governing running races will apply.

A tug-of-war, to be limited to twenty-five (25) men from each class. No artificial means will be employed. Each contestant shall pull standing.

The length of the pull shall be five (5) minutes.

The rope shall be of sufficient length to allow for a "pull" of fifteen feet, and for fifteen feet slack at each end, together with four feet for each competitor; it shall not be less than four inches in circumference, and shall be without knot or other holdings for the hands.

A center tape shall be affixed to the center of the rope, and fifteen feet on each side of the center tape two side tapes shall be affixed to the rope.

A center line shall be marked on the ground, and fifteen feet on either side of the center line, two side lines parallel thereto.

At the start the rope shall be taut, and the center tape over the center line, and the competitors shall be outside the side lines. The start shall be by the firing of a pistol.

The pull shall be won when one team shall have pulled the side tape of the opposing side over the center line, or, at the end of five minutes, the team whose side-tape is farthest from the center ground-line.

No competitor shall wear boots or shoes with any projecting nails, springs, or points of any kind.

No competitor shall make any holes in the ground with his feet or in any way before the start.

No competitor shall wilfully touch the ground with any part of his person but his foot.

Any direct interference by any coach or spectator may render the side assisted liable

to disqualification by the referee, and his judgment shall be final.

The points will be counted as follows:

Football game, four (4) points; relay race, three (3) points; tug-of-war, two (2) points.

The management of the games, and all matter connected with same, shall be vested in the Advisory Council and a committee of the following constitution: the Chairman of the Advisory Council, the presidents of the Athletic Association, senior class and junior class, and a member of the Advisory Council. This committee shall make all arrangements, appoint all officials, handle all receipts, and decide all questions left unsettled by the rules of the Advisory Council.

J. H. BRIGGS.

### The Tech Primer.

This primer is the result of five years experience in being taught at the Massachusetts Institute of Technology. While primarily for the use of beginners, it is hoped that it will be of aid to others besides Freshmen.

#### The Freshman.

What have we here? Let us turn up the light and look at it. Look sharp, now! Do you notice anything? Do not let it run round on the carpet. Do not needlessly tread on it. Learn to look vacant, and to open your mouth, and you, too, may sometime be a Freshman.

#### The Lowell Building.

Here is the new Lowell building. It is called the Lowell because it is rather low. But let us come away. The car-pen-ters are still practising in there, and may not like us to in-trude.

#### The Laboratories.

Hark! Do you hear that odor? They are making some aitch two ess in the chem-ic-al lab-or-a-tory. What is haitch two ess? It is a put-up job. Do you see that boy boiling

water in a flask with the stopper in it? He is going to be a chemist some day.

#### The Letterplates.

Wash your hands nicely and you may look at it. It is a new edition of the letterplates. When you buy one you must run home with it quickly, or it will get out of date.

#### Engineering Alley.

Is this a cross-section of a sewer? Not by a damp site. It is Engineering Alley. See the rich black mud! Would you not like to put on your little sailor suit and roll in the mud? The mud is clean. Little children should be clean. They should wash their faces once a month, whether they need it or not.

#### Call for Candidates

For Manager and Assistant Manager of the Cross-country Association for the ensuing year. Candidates should hand names to H. B. Pulsifer, Manager. No man of the class of 1906 will be chosen Manager, and no man of the class of 1904 Assistant Manager.

#### Football, 1906.

The 1906 Football Team had a triangular game with Mechanic Arts and Melrose High last Friday. It came about in this way: Mechanic Arts had a game scheduled with Melrose, but wrote to cancel the engagement so as to play our Freshmen. Melrose did not get the letter, though, so the three teams showed up. It was decided that each team should play both of the others a ten-minute half. Mechanic Arts and Melrose failed to score on each other, while 1906 scored five on each, failing to kick goal both times.

The team work was not very good, but this is too early to expect much. With good steady work, however, they ought to put up a pretty good team for Field Day.

#### Civil Engineering Summer School.

The Civil Engineering Summer School was held this year at Ellsworth, Me., under the direction of Professor Burton, who was assisted by Professor Barton and Professor Robbins, Mr. Hosmer, Mr. Sweet, Mr. Nelson and Mr. Seabury.

The party left Boston June 9, sailing on the steamer "City of Rockland" to Rockland, Me., where they changed to a small steamer, which landed them at Surry after a pleasant and eventful voyage along the coast. Surry is about four miles from Ellsworth and an old stage-coach runs between the two towns—this carried everybody except those who preferred to walk. Ellsworth is situated on the Union River, about four miles above its mouth, and is very favorable for summer-



school work, which consists mainly of topographic surveying and measurements of river-flow and tides.

The first part of the survey was a general reconnoissance, made by the entire party, using aneroid barometers to get approximate elevations. A base line for the triangulation was measured along the railroad, which was on the east side of the river valley, and two signals were erected at prominent points on the opposite side of the river. With these triangulation points fixed, the plane-table work was begun—this included making a complete

contour-map of the river valley for a distance of about four miles. A tide-gauge was set up about two miles below the town and observations made to determine the height of mean tide, from which gauge levels were run up the valley and bench marks established to give a datum plane for the survey. To correct the survey made by the summer school with the work of the Coast Survey, a larger system of triangulation was carried on. One party was sent to Green Mountain, just back of Bar Harbor on Mt. Desert Island; this is about twenty miles southeast of Ellsworth and



is a coast survey triangulation point. A second party was sent to another located triangulation point on Blue Hill, about fourteen miles southwest of Ellsworth. A third party was established on a hill above Ellsworth, and by means of heliograph signals, each party read the angles between the other two points. Thus the three angles of the triangles were determined, and since one side was known the others could be calculated, and thus the position of the station at Ellsworth could be determined exactly. All this work was done in small parties; each evening the assignments for the next day were posted up, two

or three men would work at each plane table, four or five would be on the river making current measurements, and others would be making road traverses and observations on the tide-gauge. In this way, every man had a chance to do each different part of the work. The road traverses were made with a light plane table, and distances were determined by counting the revolutions of a wagon wheel, as is done in the work of the Geological Survey. In this way all the roads in the neighborhood were located, and they were afterwards traced on the large plane-table sheets, thus making a complete map. The observations on tides were made with an improved form of tide-gauge, invented by Professor Robbins, and showed in an interesting way the effect of the winds and river current on the rise and fall of the tide. A very important part of the work was the measurement of the current in the Union River. This is a swiftly-flowing stream with a rocky bed and steep banks.

A straight portion of the river was selected for this work, and at carefully measured intervals lines were stretched across the stream. A set of soundings was made across the river on lines ten feet apart up and down the stream, so that the cross-section of the water area was determined. Then a series of observations with floats and current miters was carried on to determine the velocity of the current. This work was carried on through all the three weeks the party was at Ellsworth and resulted in an accurate determination of the amount of water flowing down the river; the maps and hydraulic measurements made by the summer school are now being used by a company which is planning to develop the water-power of the Union River.

The geological formations about Ellsworth are of great interest, and investigations were carried on by Professor Barton, and excursions made by the entire party, to study the geology of the regions. The work at Ellsworth was completed on July second, and some of the party made an excursion to Nova Scotia with Professor Burton, visiting the Joggins coal mines and fossil beds, and observing the tidal bore at Moncton.

### Electrical Engineering Society.

A meeting of the Electrical Engineering Society was held Thursday, Oct. 16, in 31 Eng. A. Twenty-three Juniors and Messrs. Jones, Brown, Mitchell and Glenn of the Senior class were elected active members of the Society. Mr. Pendergast was appointed chairman of the Committee on Excursions. It was proposed that a Smoker be given the new members from the Junior class to welcome them into the Society, and a committee, composed of Messrs. Taylor, Crosby and Lee, was appointed to investigate the matter.

Saturday, Oct. 18, the Society took an excursion out to the Chestnut Hill Pumping Station. The Society is greatly indebted to Mr. John W. Lynch, the chief engineer, for the great pains he took in piloting them over the whole station, explaining the system of water supply and answering questions. Those who were there — about twenty-five — were very much pleased with this, the first excursion of the year.

### Mechanical Engineering Society.

A business meeting of the Mechanical Engineering Society was held Friday afternoon in 11 Engineering B, President Ancona presiding. Cockrill, '04, and Leh, '04, were elected to membership. A program committee was chosen for the coming year, consisting of Professors Merrill and Miller, Ancona, Ruxton, Swett, Holcombe and Wentworth. The vacancy in the vice-presidency caused by the withdrawal from the Institute of Doran, '03, was filled by the election of Wentworth, '04, to that position. The names of thirty-five Juniors were proposed for membership, to be voted upon at the next meeting.

The President announced that a Smoker would be held within a few weeks, at which it is hoped several Course II. graduates will be present and address the Society. He also stated some of the plans for the coming year, including a new and promising scheme for the arrangement of the shop-visit excursions.

### The Architectural Supper.

At a supper of the Architectural Society at the Technology Club on Monday evening, Mr. C. Howard Walker entertained the company with the relation of some of the incidents of his summer in Italy. Quite naturally, and to everyone's delight, he first told the story of the fall of the Campanile of St. Mark's, an event of which he was an eye witness, and which none regretted more than he. Mr. Walker sketched rapidly the history of this most eloquent monument of the past of Venice, and entered into a detailed and thrilling account of the catastrophe, and of its result upon the people of Venice and of the world.

During the remainder of the evening Mr. Walker touched upon many interesting and novel experiences of his visits to Naples, Paestum, Ravenna and other towns.

There could hardly be anyone more intelligently enthusiastic over the beauties of Italy than is Mr. Walker. His enthusiasm was so contagious Monday evening as probably to increase the number of graduates who hope next June to visit the fair countries across the sea.

### Cross-country Association.

At the meeting of the Cross-country Association held Wednesday, Oct. 15, it was found impossible to fill the vacancy in the office of captain.

Hardenbergh, the only nominee, declined to serve, as he is not out for the team this year. It was voted that Acting Captain Hunter continue to hold office until the team is better developed. The loss of Hardenbergh is a serious blow to the team, as he is one of the most reliable and faithful men who ever ran for Tech.

The candidates have been taking stiffer work in the past week, and some of the new men are showing up well.

### Mining Engineering Society.

A meeting of the Mining Engineering Society will be held Monday, Oct. 27, at the Technology Club. During the evening Professor Richards will give a lecture on his last summer's tour. Stereopticon views will be used to show points of interest in the lecture. An informal lunch in the dining-room, and much smoking material, will be part of the evening's entertainment.

### Hare and Hounds Run.

The run last Saturday was held at West Roxbury. As it looked like rain only twenty-four men came out, but all who ran enjoyed a good six-mile run, part of which was over the old course of the handicap run last spring.

The hares were Hunter, '02, and Lorenz, '05. They laid a trail which was full of bends and curves, never more than two miles from home, and three or four times this fooled the hounds for a few minutes. About a mile from home the bags were left behind a wall. Some small boys found them and called the hounds, who were standing in the road a hundred yards away. This caused a hot sprint for the bags, Pulsifer, '03, and Merrill, '04, getting them.

The first hound in at the finish was Riley, '05, followed close by Hardenbergh, '03, and Burke, '05. The time was the best this year, the hares covering the distance in 56 minutes and the hounds in 60 minutes. There will be no run next Saturday because of the fall meet.

### Walker Club Officers.

At a meeting of the Walker Club, Oct. 16, the following officers for the year were elected: President, M. H. Schwartz, '04; secretary, A. Peabody, '04; executive committee, E. P. Turner, '03, R. F. Lovejoy, '05, D. R. Dewey; entertainment committee, A. Peabody, '04, D. K. Keller, '04, L. W. Hammett, '05.

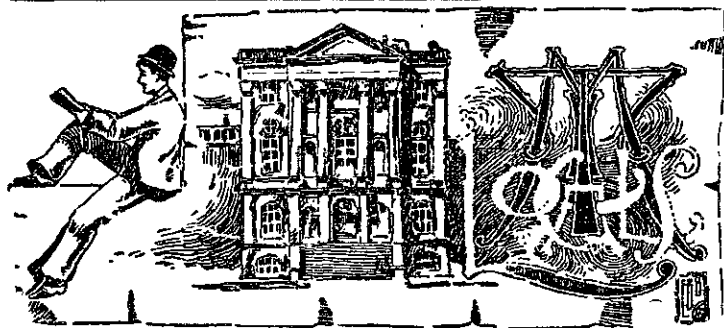


*Spare the exam, and  
spoil the child, if possible*  
Geo A. Osborne

### Book Review.

THE DIARY OF A SAINT. Arlo Bates. *Houghton, Mifflin & Co.* Price, \$1.50.

Arlo Bates' latest novel, as the name implies, is written in the form of a diary, and, unlike most novels of this structure, the treatment is such as to bring out the development of events and characters in an unusually intelligible manner. Even in the case of the minor personages, the character delineation is very clear. The story is of one year in the life of a New England girl. At the beginning she was engaged to the man who had been brought up with her and educated by her father. She passes through this year, crowded with experiences and impressions, in a manner that in the end establishes her right to the title of "Saint." The central thought of the book is that saintship is a matter rather of conduct than theory; is ethical rather than religious.



Edwin G. Goodwin is the leader of this year's Mandolin Club.

J. M. Grice, ex-'03, has gone to the Michigan College of Mining, Houghton, Mich.

The officers for the Banjo Club this year are, S. W. Benson, leader; H. W. Kenway, manager.

An informal dance will be given by the men living in Tech Chambers, Nov. 8, in their new home.

Men interested in devoting time to settlement work should see J. W. Welsh, VI., '03, or E. T. Steel, 2d, '05.

All students, especially those entering Tech this year, should make it a practice to call for their mail at the "Cage."

O. S. Swenson has resigned the leadership of the Glee Club, and J. P. Barnes has been elected leader for the ensuing year.

The officers of the Musical Club Association are: L. G. Wilson, president; R. Hazeltine, general manager; W. I. Simon, treasurer.

The apparent superabundance of co-eds is largely due to the students of Simmons College, on Huntington Avenue, who are taking a number of courses at the Institute.

Join one of the Bible Study Classes conducted on Sunday afternoons by the Tech Y. M. C. A. A mid-week class will be started if there is sufficient demand for it.

It's time to commence regular and systematic exercising at the Gymnasium. You feel all right, physically, at present, but wait until January next.

Never before has the Gymnasium been used as much as it is being used this fall. Not only the squads for the class teams are unusually large, but also the number of men taking regular exercise on the floor is greater than in preceding years.

It is pleasing to note that the Class of '03 woke up at the class meeting last week. The polls were voted reopened until last Saturday, and the election postponed until this Saturday, Oct. 25. The nominations, which are greatly increased, are posted in Rogers Corridor.

Unless ten more men try for the club, *there will be no Banjo Club* this year. Any man who can read music and play a banjo, banjournine, guitar or mandolin, is wanted. Solo proficiency is not required. Address S. W. Benson, at the "Cage."

The Institute has received, from a friend whose name is withheld, a gift of \$5,000 a year for three years for investigation and studies upon Sewage Purification. The work will be under the direction of Professor Sedgwick, the head of the Biological Department, and it is expected that a small laboratory will be established upon some of the vacant land on Trinity Place, if proper arrangements for supplies of sewage can be made. It is also expected that special experiments will be made upon the purification of manufacturing or trades wastes, which tend so seriously to the pollution of streams.

#### The Society of Arts.

The 570th regular meeting of the society will be held at the Institute, Walker Building, Boylston and Clarendon Streets, on Thursday, Oct. 23, 1902, at 8 P.M.

Mr. John G. Jack, of the Arnold Arboretum, will address the society on "The Identification of Our Woody Plants in Winter." The lecture will be illustrated.

Members are requested to invite friends interested in the subject.

JAMES F. NORRIS,  
*Secretary.*

### An Opinion on the Sophomore-Freshmen Contest.

As the last annual contest between the Sophomore and Freshmen classes was in the nature of an experiment, it seems perfectly admissible to point out its fault and have it remedied in the struggle which is to take place this fall.

The football game was, as it always has been, most successful. The relay race was an innovation, but judging from the interest taken in it, and the closeness of its finish, it too, may be easily classed as an event worthy of the day. But it is the third event, the tug-of-war, which is open to criticism. The tug-of-war last fall was an earnest struggle, yet did it appeal to college men as being a truly collegiate contest? The mind naturally associates a tug-of-war with the county fair where the farm boys of adjoining counties gather and stretch their mother's clotheslines in a gallant attempt to gain the frosted sponge cake.

The idea of an annual field day at Tech is to foster and encourage a strong, healthy college spirit. The events we now decide on are to last for all time, and in choosing them we naturally look to similar events at other colleges, where traditions are the strongest. There is no college which we care to emulate where this prize event of the county fair is allowed a place in a Sophomore-Freshman contest.

There are at least two substitutes for this third event. A set of cane spree and a game of association football. If the idea is to keep the contests limited to a few principals, representing their respective classes, the cane sprees will serve the purpose admirably. On the other hand, if a contest is desired where each class could meet the other in its entirety, a game of association football solves the problem. The cane sprees, when divided into the light, medium and heavy weights, is representative and spectacular. It is in vogue

at Princeton, similar to the wrestling matches of Yale, two colleges whose spirit is recognized throughout the country, and two years ago, here at Tech, the cane sprees were highly interesting. Association football is in vogue at several colleges, and at one, namely Brown, it was substituted to relieve the congestion caused by the size of the classes, which before that time engaged in a cane-rush similar to the Tech rush of the old days. It has been most successful in preventing this congestion, and has also provided an event wherein the entire classes can participate, and at the same time the danger of serious injury is eliminated from consideration.

A tug-of-war is all right in its place, but is a college the place for the tug-of-war?

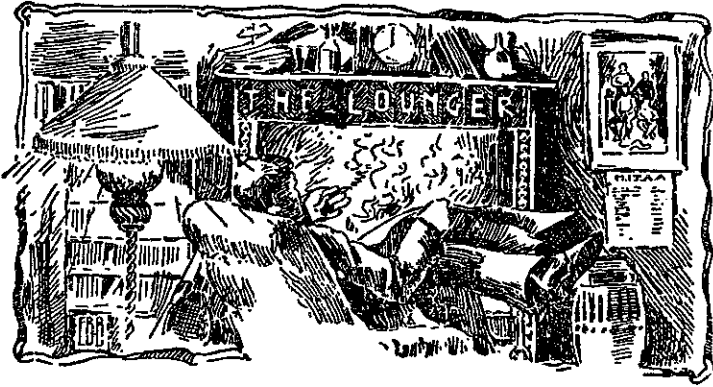
### The Sophomore Football Team.

During the past week the Sophomore football team was defeated twice. The first game of the season was played against Brookline High School on Brookline Common, Oct. 15. Only ten-minute halves were played, but during this time Brookline succeeded in scoring six points. Time was called just as Tech, '05, was forcing the ball over for a touchdown. The second defeat was at the hands of Dean Academy. The game was played Oct. 18, at Franklin, Mass. Owing to general loose playing and very weak forwards, the Sophomores allowed their opponents to defeat them with a score of 43-0.

The history of this past week should show every man in the class of 1905 who has reason to believe that he would be of any use on the gridiron, two things: first, he is needed by his class; second, he has a fair fighting show for making his class team. So let every such man come out.

### Mysterious Disappearance.

Chester A. Richardson, '00, mysteriously disappeared nearly a month ago from Munising, Mich., where he was superintending the construction of a paper mill. He left Munising to spend Sunday with a former classmate in Chicago, and no trace of him since has been found. He had just recovered from an attack of typhoid fever.



After a lengthy supper peculiarly constructed of lobster salad with mayonnaise dressing, a glass of milk, some ginger-snaps, and a piece of steak as big as a ping-pong bat, THE LOUNGER retired the other night, according to his unwritten constitution and imaginary tabular view. To be sure there were plenty of lessons for the morrow yet undone, but an attempt to keep the eyes open a little longer was promptly vetoed by the last ginger-snap, which must have belonged to the Union. Now it is beyond the scope of this work to state just why the above-mentioned combination of pure food-products should seem to make true a paraphrase of Macbeth's immortal words:

Methought I heard a voice cry, "Sleep no more!  
Lobster salad does murder sleep"—the innocent sleep,

Sleep that knits up the ravell'd sleeve of care,  
The death of each day's life, sore labor's bath,  
Balm of hurt minds, great nature's second course,  
Chief nourisher in life's feast."

First of all, THE LOUNGER had a dim, misty sense of an impending examination on his brain, like a ten-thousand-pound weight crushing the top of his skull. He was walking along ghostly corridors, stepping first on one foot and then on the other, and anxiously looking at semitransparent bulletin-boards to locate the room in which the examination was to be held. After finding the room and entering it, a spectral proctor handed THE LOUNGER a printed sheet of paper. As nearly as he can recollect, it was as follows:

"No bankbooks, notebooks, pocketbooks, curl-papers, toothpicks, or automobiles, except those specially authorized by the examiners in charge, should be in the possession of students during the examinations. If brought into the room for any reason, they must be left on the face of the instructor in charge."

#### SIXTH-YEAR BOTCHONOMY.

1. What are the advantages of a bevel gear over a washtub? Over a custard pie? Over a month ago?

2. When is which to be used? Why? Who?
3. Give two reasons why the day breaks and doesn't fall, and why the night falls but doesn't break.
4. Describe in as few cuss-words as possible, a co-ed.
5. If a copper rod ten feet long, six feet thick, five feet high and two feet wide, having a cross-section of three cubic feet, is capable of holding twenty-five ohms of electricity at a temperature of forty degrees Centigrade, for eleven seconds, how long is a piece of string?

6. Give your reasons for accepting Newton's Laws of Motion, giving reasons, if any, why reasons cannot be given.

7. Trace the history of the world from the time of Adam to the reign of Linus, the Lion-hearted, omitting the year when Charlie last got a hair-cut.

After the examination, which was considered a hard one, THE LOUNGER found himself walking around the gloomy halls, and he was glad to see all the old friends of his daily pursuit of knowledge. There was the graceful, willowy, poetic, Anglo-Saxon Arlo; the precise, accurate, scientific Harry T.; the sharp-eyed, ultra-exact word-weigher Charles Cross; Hart-Schaffner-and-Marx Erhardt, and plodding Teutonic Professor Dippold. But around all there seemed to be a haze, like "pictures in the smoke." Then the next thing THE LOUNGER was awakened by the sun shining in his eyes, and he slowly began to realize that he was confronted with the serious problem of inventing four different excuses to suit the requirements of four different instructors. The revenge of the lobster salad! The mean, underhand work of the ginger-snaps! The unmanly, dishonorable conduct of that piece of steak as big as a ping-pong bat!

#### Scientific German.

Of all the books I've ever read,  
Or even cast a look,  
The worst the very worst of all's  
That German science book.

When I have read a line or two  
Of that most awful writ,  
It makes me say with emphasis  
That German word "damit."

So when I've read the book all through  
And 'scaped from out its clutch,  
May my good Fate deliver me  
From any more such Dutch.

F. UDGE.