

# THE TECH

VOL. XXX. NO. 1

BOSTON, MASS., TUESDAY, SEPTEMBER 27, 1910

PRICE TWO CENTS

## EVERY ISSUE A SPECIAL ISSUE

### Third Page Of The Tech To Be Given Over To Dif- ferent Courses

A publication best suited for the Institute, students and instructors, has been the ideal of The Tech since its first issue twenty-nine years ago. In furthering this idea, the present board has decided to turn over more of the space to a consideration of the students as students and of the professors as professors in their respective courses. This will be done as follows:

Representatives from each of the various courses will in turn take charge of the third page of the regular daily issues. This will mean that every two weeks, on the same day of the week, each course will have the use of its third page. The choice of representatives will be left to the officers of the course society where such exists. Otherwise, they will be selected by the Tech Board with the aid of the professors in the course.

On this third page will be given an account of the activities within the department and of graduates of the department. Although this will enable men to get a better notion of what is being done in their own course, the main idea of this third page treatment is to let the rest of the Institute know what their collaborators are doing in the other departments.

Since the first conception of the Institute, the various branches have become more and more specialized and segregated, until now but little of the inner workings ever get over the border lines of a course. Some may think that it is better that a course should remain self-centered, but there is such a tremendous amount of specialization in after life that it does seem that as members of a technical Institute, we should each know a little more than we now do about the endeavors of those we meet every day in purely social ways.

However, this new plan cannot be a success unless all co-operate. The course representatives will be directly in touch with their work. This will enable them to appreciate the relative importance or value of the different works being carried on by the rest of the family. All must help them in their endeavor to do this well. Some have a peculiar aversion to publicity, but where the entity of our Institute family requires a mutual appreciation of each other's efforts, it might be well to submit their work to the attention of others.

Until further notice, the following list of dates for the courses will hold, to be repeated every two weeks.

Courses I and XI	Wednesday, Sept. 28
Course II	Thursday, Sept. 29
Course III and XII	Friday, Sept. 30
Course IV	Monday, Oct. 3
Course V and X	Tuesday, Oct. 4
Course VI	Wednesday, Oct. 5
Course VII	Friday, Oct. 7
Course VIII and XIV	Monday, Oct. 10
Course XIII	Tuesday, Oct. 11

A list of the representatives will be given as soon as it is completed.

As the census returns for the Bay State cities come straggling in it becomes evident that the population of the entire state will go well above 3,000,000 and, according to some of our local statisticians, may reach 3,300,000.

## SUMMER CHANGES AT THE INSTITUTE

### Bubblers Replace Drinking Cups ---Blue Printing Machine Installed.

The drinking cup is shuffling off this mortal coil that has left its imprint in the shape of untold microbes, as our bacteriologists try to tell us. Bubbling fountains are to be installed all over the Institute buildings wherever it is thought advisable. Simeon Keith 1893 has offered the bubblers to the Institute and about twelve will be used.

This change is the result of a new law which our professors and graduates were largely instrumental in getting passed. October first is given as the date when the cup must disappear from all public places.

Another change that has been brought about during the summer is the reconstruction of the Industrial Chemistry Laboratory in 52 Pierce and a small class room in 54 Pierce. The research in Industrial Chemistry has been growing so rapidly under the guidance of Prof. W. H. Walker in charge of the laboratory, that this new arrangement of small individual research rooms was thought advisable. It is carrying out an idea similar to that now in force in the laboratory of Physical Chemistry in Engineering C under Prof. A. A. Noyes. It is very possible that Research Associates in Industrial Chemical Research will be appointed and that they will carry out many investigations in these rooms.

A mercury arc blue-printing machine has been installed in 33 Eng. B. The Mechanical Engineering Department has long been dependent upon the sun and other climatic conditions for making blue prints in the small blue print room off 53 Eng. A. This room has now been done away with and combined with 53 Eng. A which was formerly often overcrowded. In 33 Eng. B, an asphalt floor has been laid in one corner and a small room partitioned off. Sinks of good size will be installed along the walls for washing the prints. The machine is the Everett-McAdam Continuous Electric Blue Printing Machine. Its main construction is a glass tube about ten inches in diameter revolving about two mercury lights. The tracing cloth and blue print paper are rolled over these lights on the glass cylinder. It will take tracings about three feet nine inches in width and of any length. This will prove a valuable time saver for the blue printers of the Institute.

Among the other additions or changes that have been made or started during the summer may be mentioned a new 50 K. W. transformer for furnace work in the electro-chemical laboratory in 2 Walker, and a new turbine blower for forced draft on the boiler in the Mechanical Laboratories.

A new shaft has replaced the bent one on the McIntosh Seymour Engine in the Pierce building and in the power plant the condenser pump has been given new rods, and the No. 3 Westinghouse engine has also a new shaft.

The Eastern league season closed Sunday and Rochester, managed by John Ganzell, wins the pennant for the second successive year, with Newark, piloted by Joe McGinnity, again second.

## MANY CHANGES MADE IN INSTRUCTING STAFF

### Professor E. F. Langley As- sumes Head of Modern Language Dept.

With the opening of the school year 1910-1911 on Wednesday many new faces will be observed among the instructing staff of the Institute. Five new faculty members have been confirmed, while in the ranks of the instructors and assistants there are many changes.

Chief among the changes on the faculty comes the announcement of the appointment and confirmation of Prof. E. F. Langley, formerly head of the department of modern languages at Dartmouth College, to succeed Professor John Bigelow, Jr., resigned, as head of the department of modern languages at the Institute.

Professor Langley was graduated from the University of Toronto with first-class honors in modern languages in 1894, winning various scholarships and prizes, among them the medal given by the Governor-General. After studying for some years at Leipzig, Heidelberg and Paris, he came back to the United States, and was appointed instructor of French at Dartmouth, afterward being advanced to the grade of professor. He was given the degree of A.M. by Harvard University in 1900 and Ph.D. in 1909. He was one of the most popular men on the Dartmouth faculty, where he is held in the highest esteem as a teacher and a scholar.

Advancements were made by the executive committee and confirmed by the Corporation as follows: Associate Professor C. L. Norton to be Professor of Heat Measurements; Assistant Professor C. B. Breed to be Associate Professor of Civil Engineering; Assistant Professor W. J. Drisko to be Associate Professor of Physics; Assistant Professor G. B. Haven to be Associate Professor of Mechanical Engineering; Assistant Professor F. J. More to be Associate Professor of Organic Chemistry; W. C. Bray, Research Associate, to be Assistant Professor of Physico-Chemical Research; Dr. D. F. Comstock, Instructor, to be Assistant Professor of Theoretical Physics; Dr. E. B. Spear, Instructor, to be Assistant Professor of Inorganic Chemistry; Mr. T. H. Taft, Instructor, to be Assistant Professor of Mechanical Engineering; Mr. R. S. Ayres, an assistant, to be Instructor in Physics; and Mr. David Carb, an assistant, to be Instructor in English.

Appointments of assistants made by the executive committee and approved by the Corporation include: Howard Agee, Loren N. Downs, Jr., Ralph M. George, Fred R. Lufkin, Frederick G. Perry, and Henry P. Thomson, assistants in Electrical Engineering; John M. Bierer, Richard O. Fernandez, and Ralph E. Gegenheimer, assistants in Analytical Chemistry; Everett M. H. Follansbee, assistant in Technical Analysis; Franklin L. Hunt, assistant in Physics; Harold L. Lang, assistant in Inorganic Chemistry; George P. Lunt, assistant in Industrial Chemistry; Ludwig Rosenstein and Frank F. Rupert, assistants in Theoretical Chemistry; Walter Spaans and Richard R. Taylor, assistants in Organic Chemistry; James T. Shorrock, assistant in Chipping and Filing; Lewis W. Waters, assistant in Food Analysis.

(Continued on page 2.)

## CHANGE IN FORM OF REGISTRATION MATERIAL

### Students Will Register Now For Both Terms---Hints For Beginners

Registration material at Tech may, at a glance, seem complicated, but with the intelligence that is assumed of its students and their desire to co-operate with the teachers and officers the forms are readily understood.

The various blanks are planned so that the class rolls can be issued near the opening of the term and that the forms for records can be circulated among the teachers in ample time for the first intermediate examination records.

As the Government at Washington demands annually information in regard to our numbers and other information of statistical interest the attendance card is arranged for the student to give these required data.

So far as the school itself is concerned the attendance card is a petition to the Faculty on the part of each student for admission to the subjects desired by him. As regular students follow prescribed courses it is possible to print these petitions in a form that abbreviates the necessary writing to a minimum.

For the first time, this year, students will fill out the attendance card for both the first and the second terms. As the time between the two terms has been shortened this helps both the student and the office at the busy time of examinations in January.

The Roll cards supplement the attendance card and form a card catalogue of all the courses. From this the rolls and the blanks for records sent to teachers are made.

The address card is used continually at the Information Desk in the Registrar's Office to answer the questions that are being constantly asked by students and their friends, while the Bursar's card gives him the information that he requires.

Besides these blanks required of all students, new students are asked to fill out the card issued for the Alumni Advisory Council on Athletics. This Council gives much time and energy to the upbuilding of wholesome athletics at Technology. It uses the information collected at this time of year in making plans for the year.

First year students give information required by the War Department of the Federal Government on the military blanks distributed among them at this time.

(Continued on page 2.)

## CALENDAR.

Tuesday, Sept. 27
12:00—Union Dining Room opens.
Wednesday, Sept. 28.
10:00—Regular exercises begin.
1:00—President MacLaurin's address of welcome and organization of freshman class in Huntington Hall.
5:00—Registration closes.
Friday, Sept. 30.
7:30—T. C. A. Reception to freshmen at the Union
Saturday, Oct. 1.
6:30—The Tech freshman dinner at the Union.

# THE TECH

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TUESDAY, SEPT. 27, 1910.

Hello 1914! 1914 Hello!

Rogers Steps show signs of life again.

Have you subscribed for The Tech yet?

The bursar's office is as attractive as ever.

Who's your favorite in the World's series?

Welcome to all! Had a pleasant summer?

Lots of 1910 men are returning—as assistants.

Remember that \$5.00 fine for late registration.

I love (?) my drinking cup, but oh you bubbler!

Have you paid your tuition? How familiar that sounds!

It has not been found practicable to issue The Tech for one cent a day. With a subscription list so subject to rapid fluctuation as is any paper depending upon daily sale, it is impossible to plan economically. The present board has therefore decided to raise the price to two cents, but to give regular subscribers the advantage of a much lower price of 1.2c. per issue, or two dollars for the year. The advantage of the paid-up subscription is evident.

Two years ago, we issued a coupon book with numbered tickets, but this was not entirely satisfactory, because often the book would be left in another coat. Last year we had no subscription books, and depended entirely upon daily sales, but there was considerable complaining at this arrangement because of the inconvenience of carrying a pocket full of pennies. To overcome both evils we have this year made up subscriptions in fourteen cardboard strips of twelve two-cent tickets good for any issue. They are light, and convenient, and can be distributed in various coat pockets, so that no one need ever be without a ticket. The extra four tickets are for special issues, such as the Junior Week.

With the advent of new freshmen, that old idea, time-honored, if nothing else, comes around that it is up to the sophomores to make as big a ripple as they can in the equanimity of the initial meeting or dinner of the freshmen; and the freshmen in turn must try to make themselves disagreeable to the sophomores. But such attempts are always marked by such a lack of completeness, general enthusiasm, or approval that their discontinuance is evidently a matter of but a few years. Why tolerate them any longer? If the Institute was in a little village where such attempts might prove effective, another line of attack might have to be followed to show how childish these antics are. But we are in a big city and all these attempts have results that do not at all improve us in the estimation of those upon whom we depend for our very existence.

Every one will say that such outbursts are good as reliefs from our famed arduous toil, but is this necessary? How many have ever felt any great relief after a ducking in the frog pond, a hounding down Rogers' steps, a cut from a barbed wire fence, or any other of those pleasant reminders that sometimes last weeks after the event in the shape of colds, or worse.

There is an event which serves admirably as an outlet for these animal spirits, and that is the Field Day. Here is given an opportunity for both sides to be given an equal chance, on the bleachers as well as on the field and it has none of the evil effects upon the reputation of the Institute.

If the two lower classes start this movement to abolish this "rough-house" they will not be characterized as lacking spirit, but they will show that they have been able to rise above those insipid, one-sided, childish pranks that are far from the real Tech spirit.

## REGISTRATION

(Continued from page 1.)

The part that each student contributes when he registers makes a great mass of material that is received at the office within a few days after the opening of the term. The collecting and sorting of this is a task which could not be performed within the necessary limit of time were it not for the devotion and loyalty to their work of the assistants of the office. They co-operate so efficiently that the work of the school goes on unhindered by any hitch in the programme of the year.

WALTER HUMPHREYS,  
 Registrar.

## MANY CHANGES

(Continued from page 1.)

The executive committee in session since the June meeting of the Corporation has also made the following appointments, subject to confirmation by the Corporation: Henry H. W. Keith, instructor in Naval Architecture; Carroll R. Benton, Walter K. Brownell, Eldon S. Clark, Ralph W. Horne, and John P. Wentworth, assistants in Civil Engineering; Leroy E. Briggs, Dean Peabody, Lawrence Chapman, Luke E. Sawyer, Arthur P. Truette and Chester W. Wilson, assistants in Mechanical Engineering; Harold L. Lang, assistant in Inorganic Chemistry; Ruth A. Thomas, research assistant in Organic Chemistry; and Gordon G. Holbrook, assistant in Naval Architecture.

### THIS WEEK AT THE THEATRES.

BOSTON—The Round Up.  
 BOSTON OPERA—The Bohemian Girl.  
 CASTLE SQUARE—When Knights Were Bold.  
 CASINO—Star and Garter Show.  
 COLONIAL—The Arcadians.  
 COLUMBIA—Jack Johnson and The Rollickers.  
 GAIETY—Irwins Majestics  
 GLOBE—The Cub.  
 GRAND OPERA—The Smart Set.  
 HOLLIS—Love Among the Lions.  
 HOWARD—Sam Langford and The Brigadiers.  
 KEITH'S—Vaudeville.  
 MAJESTIC—A Gentleman from Mississippi.  
 ORPHEUM—Vaudeville.  
 PARK—Electricity.  
 SHUBERT—The Mikado.  
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### FOOTBALL OUTLOOK

While a few of the eastern college football elevens were tried out against opponents Saturday, the real beginning of the playing season will come this week.

Every team almost has been practicing at least a week, and besides getting the players into physical trim, the coaches have done a little experimenting with plays and formations under the new rules.

Quite as interesting, however, in the coming practice games, will be the methods of defence that will be shown by the teams, as will also be the new styles of attack. The offensive side of the game has been in the minds of the coaches ever since the new rules were framed months ago, but it will take actual practice on the field to determine the value of theoretical plays, and this value of course is finally settled by the defensive methods that develop.

While not enough football has been seen this fall to give any definite idea of how the play is going to develop before Nov. 1, enough has been seen to satisfy an observer that in this year's games the spectators are going to have

a better chance to keep their eyes on the ball and to know what's going on, than they have for years.

It will not take the public long to understand the changes that have been made in the rules. The forward pass plays should be simpler, and the running plays much easier for the people on the sidelines to analyze and understand. There will be confusion, at first over some of the finer points of legal and illegal, and of fair and foul play; but, all in all, the players should find the observance of the new rules easier than the observance of the old ones, and the game surely should be more intelligently understood for the average spectator.

Among the schools there is sure to be much wider leeway on legal as well as officials. The officials have been given much wider leeway on legal as well as ethical points of the game, so that there is more chance for trouble to come in the event of incompetency.

This is one of the reasons why the rules committee has asked for a fair deal this fall. That is, it has asked that the players, by their methods of play and by their conduct, do all in their power to see that the games are played on their merits, and obey the spirit as well as the letter of the rules.

### BACK BAY BRANCH

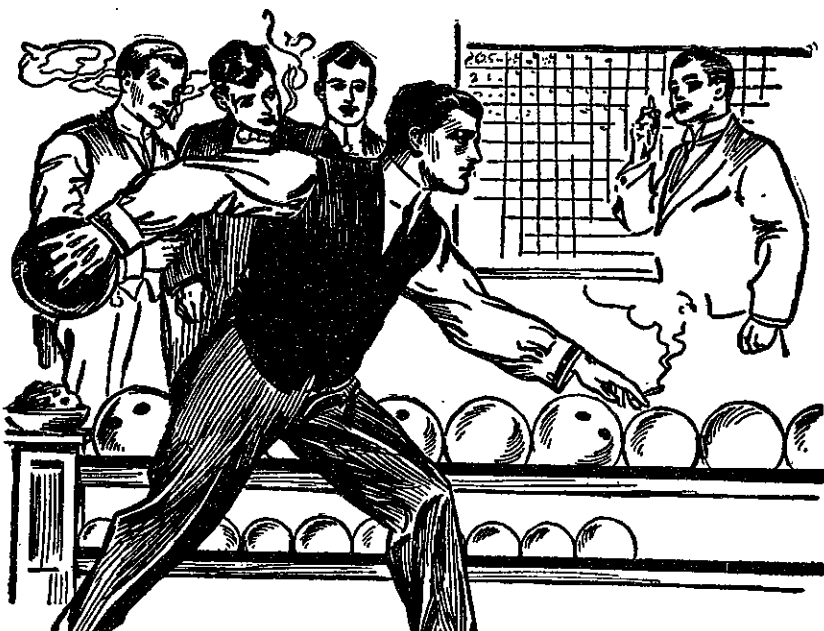
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Frankforts and Potato Salad	15c.	Cereal and Milk	10c.
Potato Salad	10c.	Dropped Eggs on Toast (2)	20c.
Baked Beans	10c.	Eggs Boiled or Scrambled (2)	20c.
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