

THE TECH

VOL. XXXIII. NO. 147.

BOSTON, MASS., TUESDAY, MARCH 10, 1914.

PRICE TWO CENTS

SHOW COMPETITION ENDS TODAY

Measurements for All Wigs and Costumes To Be Taken.

This afternoon the list of those who are to take part in this year's Tech Show will be complete. A final trial for members of the chorus is to start at 4.15, when eight show girls and nine men will be picked from among those who have already succeeded in passing their voice trials. This includes those who were out for the cast before the final choice was made, as well as those whose names were included in the chorus list published in THE TECH recently.

All members of cast, chorus or ballet must report this afternoon, as they are to be measured for their wigs. Those who have not already been measured for costumes will have the measurements taken today.

SOPHOMORE BASEBALL

Team Has Promising Schedule—Interclass Games Included.

The 1916 baseball team will have a pretty interesting season this year, according to the schedule. On the 7th of April they play the Juniors at Tech Field, then the Freshmen at the same place on the 17th. On the 23rd the men will be up against Dorchester High in Dorchester. The final game with the Juniors will be played on the 25th, followed by a trip to Duxbury on the 29th to play Powder Point.

The next three games will take place at the Tech Field; on the 1st of May with the Boston English High, then the first game with the Freshmen on the 2nd and the Boston Latin on the 9th. The game with Wellesley High will be played in that town on the 16th, and with Lowell Textile in Lowell on the 18th. After the last contest with the Freshmen on the 21st at the usual place, the season will be closed on the 3rd of June at Ashburnam, where the team will play Cushing Academy.

TECHNIQUE COMMITTEE

There will be a meeting of all candidates for the position of Art Editor and of Assistant Art Editors for the 1916 Technique at the Tech Show office at 4.15 Thursday afternoon. The chairman of the Art Committee will explain the competition to the candidates for the positions.

Indiana has arranged a basketball series for the championship of the state. Seventy-five high school teams are expected to compete.

LE MONNIER'S EXHIBIT ATTRACTS ATTENTION

Works of Noted Designer Can Be Seen In Architectural Department.

The general exhibition of several of the drawings of Professor Albert Le Monnier recently acquired by the Institute for its department of Architecture shows him beyond a doubt the fortunate find that he was at first believed. In the half dozen projects there is shown the master hand of the artist, the idealist who stays on earth, which augurs well for his students. His drawings, which will remain for some time in the exhibition room on the fourth floor of Pierce Building, are a revelation and an inspiration. The presentations are almost entirely monochromatic yet with a colorful spirit of French tradition in them. This is markedly so in the drawing of a corner of a large hall where the effect of an extreme richness and unexampled splendor is given by well disposed lines and beautifully chosen values.

One feature of his work which makes a universal appeal is the fact

(Continued on Page 3.)

ARCH. SOCIETY MEETING

R. D. Emerson Speaks In 22 Pierce—Next Meeting Open To All.

This afternoon at 4 o'clock the Architectural Engineering Society will hold its meeting in Room 22, Pierce Building. Mr. R. D. Emerson, Engineer for Codman and Despre-delle, the local engineering firm, will speak on the topic of "The Relation of Architecture to Engineering" and will talk from the viewpoint of the engineer.

The next meeting of the society will be an open one at which all the students at the Institute who are interested in Architecture will be welcome. A discussion on "Flat Slabs" will be led by two engineers and a number of other engineers will be present to carry it on. The date of this meeting is not yet decided, but it will probably not come before the middle of next month.

ARCHITECT'S COMPETITION

The Architect's first sketch for competition for the prize offered by the Société des Architectes Diplomés Français is due today at 5 p. m. The composition must be contained in a space of the shape and dimensions given in the sketch. The sketch must have elevation, section and plan at 3-8 inch scale.

TECH TO MEET YALE AT NEW HAVEN

Wrestling Team Will Have Hard Task Winning—A Fine Match Is Expected.

Next Saturday the Wrestling Team meets Yale at New Haven. There are seven bouts arranged for the meet, one in each class. An extra class, the light-heavyweight, is also agreed upon, although the Tech men have not had any matches at this weight before.

The Yale team has a fine reputation and will prove the hardest task which the Institute team has yet undertaken. Recently Yale beat Pennsylvania and has moreover a good record in the Intercollegiate League to which it belongs. On the other hand, the Tech wrestlers have not met defeat in two years in spite of the fact that they have met all the strong teams in the country, and now hold the New England Team Championship.

Last week Loo, the 115-pound wrestler, sprained his ankle and it was at first feared that he would be unable to go to Yale. Now, however, he is coming along well and should fill his position in fine style. The other members of the team are in first rate condition and both Captain Kelly and Manager Smythe-Martin are confident of victory.

INSTITUTE COMMITTEE

Important Meeting Thursday—Committees Report.

There will be an important meeting of the Institute Committee Thursday in Room 8, Engineering C. The time of the meeting is 5 p. m. instead of at 4.15 as usual. There will be reports from the Yish-Ka-Bibble Committee and also one from the Committee in charge of the sale of the 1910 Techniques. The standing committees will make their reports also.

ANNUAL T. C. A. ELECTION

On March 20th the Technology Christian Association will hold its annual election for officers for the ensuing year. Nominations are due now and should be signed by at least five members of the association. The nominees must also be members of the T. C. A. The nominations should be made out and handed in either at the Cage in the Union or at the T. C. A. office in Eng. B. not later than Tuesday, March 17th.

It takes \$55 to train the average athlete for the football team at Ohio State.

GABY DESLYS CANNOT SUBSCRIBE TO MONTHLY

Actress Left Boston Sunday But New Monthly Will Be Issued Tomorrow.

Two thousand copies of the first issue of the new Technology Monthly will be delivered to the office of THE TECH late tonight and the entire edition will be placed on sale early Wednesday morning.

In order to be sure of obtaining a copy of this issue, subscriptions should be placed today. When the issue is placed on sale, the number allowed to one man will not be limited. A great deal of talk is abroad in the Institute to the effect that the edition will be sold out before non-subscribers secure their copies. The same fear was expressed by the Managing Editor today. Since this cannot be helped, he suggests that the students place their subscriptions at once and thereby safeguard themselves against the possibility of missing this first issue.

As an indication of the way the subscriptions are selling a few characteristic cases are cited. Several orders for twenty copies to be sent to one address in other cities have been received. At the rate subscriptions are being received, it is more than probable that the paid subscription list will nearly equal the issue, and such being the case the regular subscribers will be given the preference. Any copies left over after the subscribers are provided for will be sold at the regular price, twenty-five cents each.

The first issue contains much of general interest to Tech Men. The

(Continued on Page 4.)

WEATHER

For Boston and vicinity: Fair today; moderate westerly winds. In charge of this issue: Editors.

CALENDAR

Tuesday, March 10, 1914.
1.15—1917 Basketball Meeting. Room A, Union.
4.00—Arch. Engineering Society. Pierce.
5.00—Glee Club Rehearsal. Room B, Union.
4.15—Cast Rehearsal. Union.
4.15—Chorus Rehearsal. Dining Room, Union.
4.15—Orchestra Rehearsal. Union.
4.30—1916 Electoral Committee (Technique). 27 Rogers.
Wednesday, March 11, 1914.
1.00—Sophomore Class Meeting. Huntington Hall.
6.00—Catholic Club Meeting. Union.

THE TECH

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TUESDAY, MARCH 10, 1914.

IN CHARGE OF THIS ISSUE.

Editors, J. R. Spaulding '17, A. E. Keating '17; Associates, F. A. Stearns '17, R. F. F. Brooks '17.

At the much-heralded Junior meeting yesterday, the attendance reached the astounding figure of fifteen souls. This notwithstanding the comparative unimportance of the occasion,—only the substitution of a new constitution for the code under which every odd-numbered class in the history of the Institute has been governed.

The enthusiastic gathering having been with difficulty brought to order, the proposal was placed before it. After a stormy discussion which prolonged itself for nearly five minutes, quiet was restored and a vote taken, showing an overwhelming majority in favor of the change. Its duty accomplished, this history-making gathering adjourned to lunch.

Some irresponsible individuals seem to be using the Union notice board as a plaything. Only yesterday it announced an imaginary note at the Cage for a student, who was much perplexed by not finding any such thing. The humor of this proceeding being more than dubious, we are at a loss to find any excuse for it, adequate or otherwise.

NOTEBOOK FOUND

A black leather covered notebook appearing to belong to H. C. Sampson was turned in to THE TECH office last evening and may be obtained by Mr. Sampson at the Cage in the Union.

ENGINEERING AND SCIENTIFIC NOTES

Our readers will perhaps recollect that some time ago we published an account of a wireless system for signaling from moving trains which had been successfully installed on some of the trains of the Lackawanna Railroad. During the recent severe storm which swept over the country wrecking telegraph lines and tying up traffic generally, this system proved so advantageous that it received a considerable stimulus for immediate future expansion.

"The wireless proved its value to the railroads," said President Truesdale's secretary. "Without it we would have had to run blindly where traffic was possible at all. With its help we knew in a general way what we were about. It won't be long until every through train, perhaps every suburban train, will be equipped with wireless apparatus, so that it can send messages and take orders in the worst of storms, even while maintaining speed.

"The storm was the worst in our history. Our experience with the wireless has demonstrated the necessity of extending and improving the present methods of air communication."

The block signal system now commonly adopted in combination with track contacts has done wonders in reducing the risk of accidents. The tower men are stationed every few miles, and unless something goes wrong inside the block the train must clear each zone within a certain time. When it does not do so the watcher at the far end of the block knows that something is amiss; but what? The towermen are necessarily in ignorance until someone from the halted train brings the news. The trainman carrying the message to the block tower may have to cover a distance of a couple of miles. Again it happens every now and then that an engineer fails to see cautionary signals which should make him slacken speed or bring his train to a standstill. The result may be a collision with loss of life. It will therefore be seen how desirable it is that each train should have its own means of creating about it a cautionary zone quite independently of the fixed track and block signals, this zone to be communicable to other trains directly, in this fashion producing a safety system within a safety system and one that would be immediately available at every point along the line. Wireless telegraphy promises to do the needed work.

A single line of wire arranged like a rectangle is strung from four low stanchions placed at each corner of the car ends, actually below the crest of the roof. By doing this upon four cars, giving a total length of aeriels of something like 550 feet, an arrangement has been reached which works admirably and incidentally subscribes to the physical limitations of height imposed by structures along the roadway. But while this placing of the wires sufficed when running over open country, there was still a doubt about what would happen when the train skirted along winding rivers with mountains hem-



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ming in the view and seemingly offering an obstacle to the sending and the receiving of wireless impulses. It is along parts of the road of this character that the wireless telegraph would be of the greatest service, because the sinuous paths of the track make it impossible for the towerman to see trains for more than a short distance, and block signals worked by track contacts are similarly obscured by bends in the route. The messages leaving the moving train, however, are unquestionably able to get past intervening mountains and to climb from the meandering valleys and find their way to the antennae of the towers at Scranton and Binghamton.

What is perfectly plain is the fact that the advent of the wireless operator aboard a moving train adds just one more watcher who will be continually on the alert and can co-operate with towermen in keeping the engine drivers informed as to the state of the road ahead. Logically, the next development of the system will be a telephone installation extending from the room of the wireless operator to the cab of the locomotive, and, perhaps, even to the fireman's position if his task separates him from the engineer.

A cup has been established for fraternity scholarship at Purdue.

FRESHMAN BASEBALL CANDIDATES TO MEET

Announcements To Be Made Today—Meeting In Room A at Noon.

All candidates for the Freshman baseball team are to meet at 1.15 today in Room A of the Union. The manager expects a large number of men out for it as there is some good baseball material in the class.

Manager Stevens will make announcements as to the schedule and the time and place of practice and all the plans for the coming season will be talked over. The schedule is nearly complete and practice will be started at once.

CATHOLIC CLUB.

Dr. Thos. F. Harrington To Speak Wednesday Night.

The regular dinner and meeting of the Catholic Club will be held Wednesday at 6 P. M. in the Union. After supper Dr. Thos. F. Harrington, the director of hygiene in the Boston Public Schools, will give a talk. Dr. Harrington spoke to the Club four years ago and those who heard him then say that every man should hear him. He will probably speak on the Public Health question.

LeMONIER EXHIBIT

(Continued from Page 1.)

that he is untrammelled by technique but uses paint, pencil, chalk and ink with a magnificent sense of scale and proportion.

In his "Monument of the Grand Arme," a pen rendering, there is a perfect expression of the function of the conception. The thing builds well to its logical crowning of a tattered eagle, every angle of which contributes its due share to the scheme.

Among the drawings is a grand panorama of a civic center wherein M. Le Monnier has shown his bigness in point of view by the simplicity of its handling. The splendid treatment in this picture is one of the most appealing of the exhibition.

In the drawing which won for him the Rougevin prize at the Ecole de Beaux Arts there is shown the splendid imagination and facility for drawing which has made him an acknowledged master. The design of "A Military Aviation Field" shows the conception of something which hints at the very bigness of the designer by its difference in character from the smaller problems. Everything in it contributes to the idea and the result is a stern and appropriately warlike establishment.

The exhibition will continue for a short time at least and is open to all Tech men and their friends.

There is also now hung the senior problem of the "Library for a City of Importance" as well as short sketches of library entrances. The fifth year students are represented by the designs of "An Academy of Music."

MEDICAL ADISER TO SPEAK THURSDAY

Dr. J. Arnold Rockwell '96 To Speak on "Some Health Suggestions" at T. C. A. Meeting.

The T. C. A. has secured for its next speaker one who is not at all unknown to the student body, and one who has taken considerable interest in undergraduate activities. Dr. J. Arnold Rockwell, the Institute Medical Adviser. Dr. Rockwell, who is a Tech man of the Class of '96, has been the Medical Adviser at the 'Stute during the last year, and he has come in contact with many students in that capacity. He will without doubt be best remembered by the Freshman class, to whom he gave a course of lectures in physical hygiene in the earlier part of the year.

Dr. Rockwell has been actively identified with Institute athletics, and was one of the officials at last Field Day. At the convocation held some time ago under the auspices of the Walker Club in Huntington Hall, Dr. Rockwell was one of the speakers. He told them of the plans that have been made for athletics at the new Institute in Cambridge.

At next Thursday's meeting in the Union Dr. Rockwell will speak on "Some Health Suggestions." Without doubt the Medical Adviser will have something of no little importance and value to say, and the nature of his talk will probably cause a large attendance.

M. E. SOCIETY TRIP

Members Who Wish To Go Must Hand In Names By Thursday.

The Mechanical Engineering Society will take a trip to the Watertown arsenal, Saturday afternoon, March 14. The party will not be limited in number but the officials at the arsenal must know by Thursday how many are coming. The party will be composed of all those members who hand in their names before one o'clock on Thursday, March 12. President H. W. Treat will receive the names from the Seniors and F. G. Purinton will receive the names from the Juniors. Sophomores may hand their names to either Treat or Purinton.

ANDOVER MEET

DuPont, the Freshman track manager, has arranged to run off the meet scheduled with Andover last Saturday on Wednesday afternoon, the 11th of March. The squad will be the same as before. The team will take the 2.14 train from the North Station. It will be necessary for the men to get their lunch before going.

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COMMUNICATION

To the Editor of THE TECH,
Dear Sir:

Can you through the columns of this paper give me any information about the M. I. T. Forum? Bringing such a speaker as Mrs. Stokes to a Technology noon meeting created much general interest in this organization.

Sincerely yours,
A. STUDENT.

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"TWELFTH NIGHT"

GABY DESLYS CANNOT SUBSCRIBE TO MONTHLY

(Continued from Page 1)

cover design is a novel idea worked out by H. O. Glidden, a graduate student in the Architectural Department. It shows a line sketch of the New Technology buildings as if from the portals of the old. The first article by Mr. Harold E. Kebbon, '12, the representative of the Architect on the New Technology buildings, is illustrated by some good up to date cuts taken by the staff photographer. Mr. James Mackaye, the chemist for Stone & Webster Company, discusses the application of Science to everyday life in his article on "Political Engineering". There are two short stories written expressly for the Monthly by professional short story writers. One is a college story and the other is a tale of Russian dangers. An account of the Electrical Society's mid-year inspection trip is printed together with pictures taken on the trip.

An interesting and instructive discussion of the narrow mindedness of Tech men is carried on between a student and a graduate, neither of whom has seen the other's article. L. E. Best, Athletic Editor of THE TECH, gives an excellent forecast of the coming track season at M. I. T. Mr. T. H. Guething, of the relay teams, gives an excellent review of Institute athletics. Manager MacRae of the Hockey Team tells of the needs of hockey in the Institute. The College Review tells of the activities of other colleges in the United States, while the humor section puts Life far into the shade.

MASSACHUSETTS INSTITUTE OF TECHNOLOGY

March 6, 1914.

Attention is called to the following extract from the Rules of the Faculty:

"All marks of D (with the exception of those in the subjects specified on the backs of the report blanks) incurred in the first term must be removed not later than the end of the following March. In case a mark of D is not removed at this time, the student shall be required to discontinue any dependent subjects which he is taking, and can obtain a clear record only by repeating the subject in which the D was given."

A. L. MERRILL,
Secretary of the Faculty.

TECHNIQUE ELECT. COMM.

Every member of the 1916 Technique Electoral Committee is expected to meet in 27 Rogers at 4.30 p. m. this afternoon. Unless the deposit of two dollars which is due has been paid by each member before the meeting, his privilege of voting will be withheld.

HOCKEY SQUAD

All men on the Hockey squad who have left any of their possessions at the Arena must remove them before Wednesday of this week or suffer their loss.

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