

THE TECH

VOL. XXXIII. NO. 159.

BOSTON, MASS., TUESDAY, MARCH 24, 1914.

PRICE TWO CENTS

SECRETS IN MAKE-UP OF TECHNIQUE

Mysteries To Be Divulged Later
—Likened to Tech's Mr. Smith.

There are two big things that it is not customary for the Technique Board to divulge before the appearance of the book, but Technique 1915, in order to keep up with its standard of progressiveness, has decided that it is only proper that the undergraduate body should have some idea concerning these things. They are such important parts of the book that they may really be said to control the whole publication. Without them the book would, in fact, be a total failure.

The corporation has their mysterious Mr. Smith and last year's board had their mysterious leather cover, but Technique 1915 does not see why there should be so much mystery concerning all good things. They have stated without hesitation that they are giving the students the best book that has ever been published and they have enumerated the various good points of their publication. They have not merely said that their book was the best but they

(Continued on Page 4)

SPECIAL DRILL

Extra Work Necessary To Prepare for Coming Inspection.

The cadet corps is to have special drill during the next two weeks, to prepare for the inspection which will be made by a United States Army officer on April 6. As this is about six weeks earlier than the inspection is usually made, the work is not as advanced as it should be. In order to make up the deficiency, the drill on Wednesday of this week and next will last from 4 to 5 P. M. The periods on Monday and Tuesday will be as usual.

Later in the Spring, when the weather is warmer, and drill work will be less pleasant than it is now, this extra work will be more than made up for by letting the men off.

SHELLS NEARLY READY

Work on the two Technology shells is now progressing rapidly. Constructor Davies says they may be ready even before April fifteenth, since one is already planked and will be finished Saturday, and the other is about ready for planking. They are forty feet long and twenty inches wide.

A general meeting will be held April 1 in order to get together the men who are interested in the crew.

CLASS DAY COMMITTEE BALLOTS DUE TODAY

To Be Left At The Cage By 5 O'Clock—All Ballots Must Be Signed.

All Ballots for the Senior Class Day Committee must be in at the Cage this afternoon by five o'clock. The committee in charge of the election wishes particularly to call attention to the fact that the success of Class Day depends largely upon a full vote of the class.

Several unsigned ballots have been handed in. All Seniors should remember that all these will be thrown out. In case men have not paid their class dues, they may hand them in at the Cage with their ballots, and their votes will be counted. The ballots may be obtained at the Cage.

TECH BOWLING LEAGUE

Garrison Team Still in the Lead
—Matches This Week.

At the end of the fourth week of the Tech Bowling League season the Garrison team is still in the lead with the faculty Rogers team second and the Pierce five third with one match still to roll off. Mr. Mackenzie is now tied with Vose for the high average at 95, both having dropped off a couple of points. Vose's three string total is still good. The Garrisons have captured the team total rolling 1409 against the Walker team. The schedule for this week is Lowell vs. Union, Tuesday at eight o'clock; Pierce vs. Walker, Thursday at 4.30 o'clock; Rogers vs. Garrison, Friday at 4.30 o'clock and a postponed match between the Pierce and Lowell teams, the date of which is not yet decided.

The standing to date is:

Team	W.	L.	P. C.
Garrison	13	3	5457
Rogers	11	5	5099
Pierce	7	5	3802
Union	6	10	4979
Walker	2	10	3728
Lowell	1	7	2290

Individual averages—Mackenzie 95, Vose 95, Hardy 94, Heath 91, Mann 90, Metz 89, Ring 88, Proctor 87, Yell 86, Covitz 85, Lewis 85, Dailey 85.

GLEE CLUB REHEARSAL

Glee Club Members! Tallman urges team-work on your part, in view of the fact that rehearsals are few, and time is short, before the next concert to be given at Chelsea on April 8th and at Stoneham on the 10th. Promptness and attendance at rehearsals are highly important. Men who do not show up for practice will not be allowed to sing at the Spring Concert or other intervening concerts. Don't forget—tonight at 5 o'clock, room A, Union.

APPLICATION BLANKS FOR SHOW SEATS DUE

Must Be In Saturday Afternoon
—Public Sale To Start April Fourth.

Sunday morning and afternoon the application cards for securing the seats at Tech Show were mailed and they should have been received by now. These must be returned properly filled out as desired before 5 p. m. Saturday. The applications will be filled as far as possible and held in the Show office for five days. Un-



W. P. KEITH claimed orders, after that, will be sold.

In filling out the blanks the applicant must be careful to put his school year after his name and, under the space marked "class," put his rating as it comes on the pamphlet enclosed with the application cards; that is, whether he be Class "A," "B," "C," "D," or "E." If any doubt exists as to what the applicant intended, the application for seats will be filled out by arbitrary choice of the management. Therefore, care must be used in making out the cards. The postals must be returned with the applications and with the name and address on the proper side.

Of the two Boston performances, the afternoon is intended particularly for the undergraduates, but there will probably be good opportunity for the students to secure good seats at the evening presentation.

On April 4th, all seats will be turned over to Herrick's, and the various theatres where the Show is to be given, for a general sale. The prices there will be the regular box office prices, as the management has arranged for their sale without any extra charge.

Any man who did not receive an application blank, or any man who wants another application card, may get them this week at the Show Office.

BOSTON Y. M. C. U. GIVES PRIVILEGES TO TECH MEN

Men Holding Cards May Enjoy The Privileges Now Given
By Y. M. C. A.

General Secretary of the Technology Christian Association, Mr. L. Raymond Talbot, announces that the Young Men's Christian Union of Boston has offered the T. C. A. the same facilities and privileges that were arranged for with the B. Y. M. C. A. recently. In this manner the Tech men who are members of the T. C. A. may have upon payment of one dollar the privileges offered by both the Y. M. C. A. and the Y. M. C. U. These privileges include, among others, the use of the gymnasium and the swimming pool, at the usual membership fee.

The only condition on the part of the Tech men at the Institute is that they be members of the Technology Christian Association, and that they hold the tickets received from the local organization upon payment of the fee of one dollar. This ticket now entitles them to the privileges of not only one of the Boston associations, but of the two. The Boston Y. M. C. U. is located at 48 Boylston street. The president of that Union is a Tech man, Mr. Frank Locke.

Any men wishing to partake of the opportunities thus offered them and who are not members of the T. C. A., may become members by signing the membership card of the Association, and thereafter they may obtain their privilege card from the General Secretary at the T. C. A. office in Eng. B.

WEATHER

For Boston and Vicinity: Unsettled, generally fair tonight; Tuesday fair; moderate southwest to west winds.

CALENDAR

Tuesday, March 24, 1914.
4.15—Technique Electoral Committee. 23 Rogers.
5.00—Glee Club Rehearsal. Room B, Union.
5.00—Senior Class Day Ballots Due.
8.00—Lowell vs. Union, Technology Bowling League. Trinity Place Alleys.

Thursday, March 26, 1914.
1.30—T. C. A. Union.
4.30—Mandolin Club. Room B, Union.
5.00—Glee Club. Room B, Union.
5.00—Technique Electoral Committee. 23 Rogers.
7.45—Chemical Society. Union.
8.00—C. E. Society. Ladies' Night. Huntington Hall.

THE TECH

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TUESDAY, MARCH 24, 1914.

IN CHARGE OF THIS ISSUE.

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

With Technique and Tech Show nearly ready for presentation and the second issue of The Technology Monthly gone to press, undergraduate activities at the Institute are at their height. The actual publication work of the Technique 1915 Board will be completed this week; the board members are busily engaged in obtaining the support of the students by means of the little gray sign-up slips. The cast and choruses of Tech Show are daily practicing for the first performance April 16th and the Musical Clubs are giving regular concerts in nearby towns. Men in all departments and classes of the Institute as well as outsiders are preparing copy for the Monthly and the News and business men on THE TECH are busier than at any other time this year owing to the activities in other parts of the Institute. It is not unnatural that activities should be at their climax at this time of year, but when one sees the small amount of time that the average student spends in endeavoring to make these activities successful, he cannot but consider their condition rather precarious.

Purdue students in English are busy discussing the difference between the "Follies" and "Damaged Goods". Some say the moral effect of the first is worse than the second and others claim that the second is the bad kind.

ENGINEERING AND SCIENTIFIC NOTES

Wireless Notes.

Communication was held last week between the wireless station at Nauen, Germany, and one at Windhoek, Cape of Good Hope, South Africa, a distance of approximately six thousand miles. The messages that passed were clear and distinct. At various times there have been reports of messages traveling six thousand miles or more, but very few, if any, of these have been direct communications. March seems to be a favorable month for making long distance records.

A motor-driven life boat, equipped for wireless telegraphy, has been fitted to the new Allan liner Alsatian, which lately left Liverpool on her second trip to Canada. The boat, of mahogany and teak, is 28 feet in length with a beam of eight feet. It is very compactly built, and is especially designed to encounter heavy seas. Over half the length is decked in and there is a water tight self draining cockpit abaft the cabin, from which the boat is driven and steered.

The engine is a four-cylinder Gleniffer paraffine motor, but the most striking feature of the boat is a complete wireless installation which has a range of 100 miles. This boat and similar craft were put through a series of trials on the Clyde recently during a moderate gale, and showed up well attaining a speed of nearly 7½ knots. The motor power is sufficient to tow eight or ten ordinary ship's boats in a moderate sea.

Large Electric Power House

The new generating station of the United Electric Light and Power Company, which ranks among the largest of its kind in the world, was recently placed in commission. The purpose of this station is to supply the growing upper section of New York City, and for that reason it is built to permit the installation of further equipment.

At present it contains three 10,500 kw. turbo generators and there is sufficient space for five additional units. The building, which is of brick, concrete and steel throughout, is seven stories high in the main part although the equivalent height in the boiler house is divided into only two tiers. Above the boiler section is a coal storage space having a capacity of 15,000 tons. There are four chimneys each 22 feet in diameter and 325 feet high. All the operations are controlled from a gallery on the second floor, containing the generator bench board and the semi circular feeder control boards, from which all the switches are controlled. On the first floor is the storage battery and the generator rheostat. On the basement floor, which is on the level with the street, are the exciter control boards, exciters and transmission transformers.

Fencing is springing into prominence at many eastern universities on account of the approach of the intercollegiate, which occur next Saturday.



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FRENCH CLUB TO MEET

Professor Langley To Give Talk Friday, Room A, Union.

This evening at 7.30 there will be a meeting of the Cercle Français in Room A of the Union. Professor Langley of the French Department will give an illustrated talk upon "The Evolution of Paris." The stereopticon views will be interesting and well worth seeing, as they are pictures from Professor Langley's private collection and have seldom been shown.

The members of the section in In-

DON'T forget the address

We make a special effort to win the esteem of Tech men.

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intermediate French (L 62) will have an opportunity of viewing many of the scenes told of in their "Notre Dame de Paris."

All who are interested are invited to attend. The Cercle Français expect a large number at the meeting as the club feels sure that the evening will be very enjoyable.

ILLUSTRATED TALK ON POWER DISTRIBUTION

H. K. Rowell To Speak at Informal Meeting of M. E. Society Wednesday.

Tomorrow, March 25th, the Mechanical Engineering Society will hold another of its informal talks in room 11 B. The speaker will be H. K. Rowell, a member of the A. S. M. E., who will talk on the general arrangement of machinery and distribution of power in textile mills.

Mr. Rowell will illustrate his talk with some special lantern slides which he has had made to bring out the main points. The meeting will be entirely informal and questions from the students will be in order. The installation of machinery in worsted and woolen mills will also be taken up.

The speaker has had a wide and practical experience in this line of business. He began with the Columbian Mfg. Co. of Greenville, New Hampshire, manufacturers of denims and cheviots. From there he went to the Cabot Mfg. Co. of Brunswick, Me., and from thence to the Lockwood and Green Co. In this firm he served in the capacity of assistant to Mr. Green. From here he went to the Dean & Main Co. He is now serving as Industrial Engineer for Charles T. Main and his specialty is Industrial Engineering, particularly in regard to the manufacture of cotton, wool, paper, and rope. Mr. Rowell has contributed papers to the A. S. M. E. and to the New England Cotton Manufacturers Association.

This talk is of especial interest to Seniors in Course II who are taking the Mill Option and to the Juniors in Course II who are taking Mechanism of Machines. The talk promises to be very interesting to all who attend.

NEW T. C. A. SPEAKER

Cambridge Pastor To Speak on "True Manhood" Thursday.

The Rev. Mr. Austin T. Kempton will be the speaker at next Thursday's T. C. A. talk, and this will be the pastor's first appearance before Tech students. He is pastor of the Northampton Baptist Church of Cambridge, and he has received considerable publicity on account of his introducing plays into the church program. On Sunday evenings, a play is given by the talent in the congregation, various plays having been given in this manner. Recently "Damaged Goods" was played—in a much modified form, however.

In his talk next Thursday, Mr. Kempton will speak on "True Manhood."

TECHNIQUE BAND

Look here! Do you play any instrument—a band instrument? Then you are the man we are looking for. All the fellows who played in the band at the TECHNIQUE rush last year, and all the fellows who play a band instrument are requested to meet Sousa Brooks, the leader, in the Union, Thursday afternoon at 5 o'clock.

GOVERNOR WALSH MEETS ALUMNI COMMITTEE

Conference Held To Consider How Institute May Improve Service.

Last Saturday President Maclaurin and an alumni committee conferred with Governor Walsh at the State House, discussing plans whereby the Institute may improve its service to the state. The alumni committee was appointed recently by President Whiting of the Association to consider this matter, and the Governor invited it to the conference.

In opening the conference, Mr. Whiting referred to the address of Governor Walsh at the Alumni banquet, noting that the committee is the direct result of a suggestion made there. He sketched briefly the help that Tech has given the Commonwealth in the past, and expressed the desire that the Institute and the State might become still more closely united, so that "Technology may become the strong right arm of science to Massachusetts."

Governor Walsh deplored the lack of research information available on public problems, saying that Massachusetts is far behind the other states in this respect. He further said that it is impossible for the Senators and Representatives themselves to investigate and study out public questions; this could very profitably be done by some institution or university. Tech is in a position to give material help to the State, and the Governor expressed his wish that this help might be given as thoroughly as possible. By doing this work, the Institute would gain better support from the people.

President Maclaurin replied that the Institute existed only for the service of the State, and that it was to this end that the Institute employed the leading specialists in science and maintained costly laboratories. He said that the new location, the alliance with Harvard, and the co-operation of the people with the Institute would all tend to increase the efficiency of its service. He further pointed out the great benefits of Tech to the State in the past, citing the work done in physics, chemistry, bacteriology, and the different engineering lines.

At the close of the session Professor Jackson outlined some of the things in which the University of Wisconsin has aided its State.

The members of the Alumni Committee are President Whiting, Secretary Walter Humphreys, J. F. McElwain, Judge John F. Meany, Professor Jackson, H. C. Brush and Robert G. Valentine.

BASEBALL PRACTICE

The candidates for the Freshman Baseball team will practice tomorrow noon at 1.15 at the Gym on Garrison Street. All men out for the team are requested to be present. For further particulars see tomorrow's TECH.

Iowa expects to have a \$135,000 gym some time next year.

SENIOR PORTFOLIO BLANKS DUE NOW

Publishing Contract Is Let—Some More Proofs Are Finished.

There are still one hundred Seniors who have not yet handed in their statistics blanks to the Senior Portfolio Committee. It is necessary that these be turned in at once as the material must be sent to the printer before the end of the week.

A few have not turned in their proofs and they should get them in immediately. Proofs were ready at the photographer's yesterday for Levinson, Campbell, Easter, Maier, Sandburg, and Spaulding. These men are requested to call at once if they have not already done so.

The contract for publishing the books has been let and already one hundred fifty prints have been sent to the engraver's. The work of the Committee is progressing well but much trouble is occasioned by the delay in returning the statistics blanks and the proofs. Members of the class will be allowed until April 1st to sign up for Portfolios. Those not then signed up are liable to lose their chance of getting the books or of having to wait until the middle of Summer, if enough desire them to publish a second edition, since the number contracted for is two hundred twenty five. About one hundred seventy five have signed up to date.

BOSTON OPERA HOUSE TO CLOSE THIS WEEK

Special "Gala" Bill Saturday To Mark End of Present Season.

With the forthcoming week the season of the Boston Opera Company ends and with it performances of opera in Boston end for nine months, as the Opera House will not reopen until January 4 next. The week will bring forth bills that will awaken the interest of the public and show the company at its most versatile best, as the subscription performances of the week will consist of a classic and a modern opera of both the French and Italian schools; the Saturday night offering will be a "mixed" bill; and on Tuesday two special performances of "Hänsel und Gretel" and of "Tosca" will be given in New Haven.

"Aida" will be sung on Wednesday night with the same splendid cast that presented it so nobly on Saturday: Mme. Lucille Weingartner as Anda, Mme. Gay as Amneris, Mr. Zenatello as Radames and Mr. Ancona as Amonasro, with Mr. Weingartner conducting. Verdi's spectacular and brilliant music-drama will thus be given a final performance in every respect worthy of it.

The performance of "Faust" on Friday evening will be a notable occasion. In the first place, it will bring forward Mme. Weingartner and Mr. Marcoux in roles in which they are altogether too little known. Again, it will be the farewell of the Weingartners and of Mr. Muratore. The cast will include Mme. Weingartner as Marguerite, Mme. Swartz-Morse as

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Siebel, Mr. Muratore as Faust, Mr. Marcoux as Mephistopheles, and Mr. Danges as Valentin, with Mr. Weingartner directing.

On Saturday afternoon "The Jewels of the Madonna" will be sung, fittingly closing the subscription performances of the year, as it began them. Miss Elizabeth Amsden will be the Mariella, a role which she assumed at one of the extra-subscription performances of the Wolf-Ferrari opera earlier in the season; Mme. Gay will impersonate Carmela; Mr. Zenatello will be the Gennaro, and Mr. Ancona the Raffaele, with Mr. Moranzoni conducting.

On Saturday evening a "gala" bill will be presented. First "The Secret of Suzanne," Wolf-Ferrari's charming one-act opera, will be sung by Miss Myrna Sharlow and Mr. Fornari, with Mr. Rimini conducting. The second act of "Faust" will follow with Mme. Beriza as Marguerite, Mr. Lafitte as Faust and Mr. Ludikar as Mephistopheles, Mr. Tournon conducting. Then will follow the third act of "Tales of Hoffmann," with Mme. Beriza as the Antonia, Mr. Danges as the Docteur Miracle, and Mr. Deru as Hoffmann; with Mr. Strony directing. To close the evening's entertainment the delightful ballet, "The Dance of the Hours," from "La Gioconda" will be presented by the entire corps de ballet of the Opera House, with a solo dance by Miss Dolores Galli; Mr. Schiavoni conducting.

Boston Opera House

WED., 8 to 11. AIDA. Weingartner, Cond., Weingartner, Gey, Zenatello, Ancona. Cond., Weingartner.

FRI., 8 to 11. LAST APPEARANCE OF MME. WEINGARTNER AND FELIX WEINGARTNER. FAUST. Weingartner, Swartz-Morse, Muratore, Marconi, Danges, Everett. Cond., Weingartner.

SAT., 2 to 5.15. JEWELS OF THE MADONNA. Amsden, Gay, Zenatello, Ancona. Cond., Moranzoni.

SAT., 8 to 11. GALA PERFORMANCE AND CLOSE OF THE SEASON. SECRET OF SUZANNE. Sharlow, Fornari, Tavecchia. Cond. Rimini. FAUST, ACT II (Garden Scene). Beriza, Swartz-Morse, Leveroni, Deru, Ludlkar. Cond., Tournon. LUCIA (Mad Scene). Scotney. Cond., Lyford. THE DANCE OF THE HOURS from LA GIOCONDA. Mme. Galli and complete Corps de Ballet. Cond., Schiavoni. Pop. Prices, 50c to \$2.50.

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Evgs. 8.10. Mat. Wed. & Sat. at 2
PRETTY MISS SMITH

MR. LITCHFIELD NAMED MANAGER FOR ALUMNI

To Keep Associations Informed on Affairs of the Institute.

At the last meeting of the Alumni Council, a movement for the purpose of bringing the Alumni associations into closer relations with the Institute was initiated. It was voted to appoint a "field manager," whose duty it will be to visit the associations and keep them in touch with the Institute and its progress.

I. W. Litchfield, '84, who already serves the association as editor of its publication, has been named field manager. He is already on his way to Buffalo, New York, where on Tuesday night there is to be a meeting of the Buffalo association. Rochester will be visited on Wednesday, where the Tech men in the Kodak and other works have formed a strong local association.

On Thursday, Mr. Litchfield will meet and talk with the Syracuse alumni, and will explain to them the plans of the new buildings and tell of the co-operation with Harvard.

The number of associations is now forty-five and it is expected that by another year there will be fifty. The London alumni are considering the matter, and it is also proposed to form a Tech Club in Paris.

FACULTY NOTICE

March 23, 1914.

The course in "Storage Batteries and Their Applications 653" will commence the week of April 6th. The course will be given at the hours and in the rooms which are at present allotted to the lectures in Alternating Current Machinery.

Applicants for this course are requested to notify Professor R. R. Lawrence before March 31st, of any conflict.

WALTER HUMPHREYS,
Registrar.

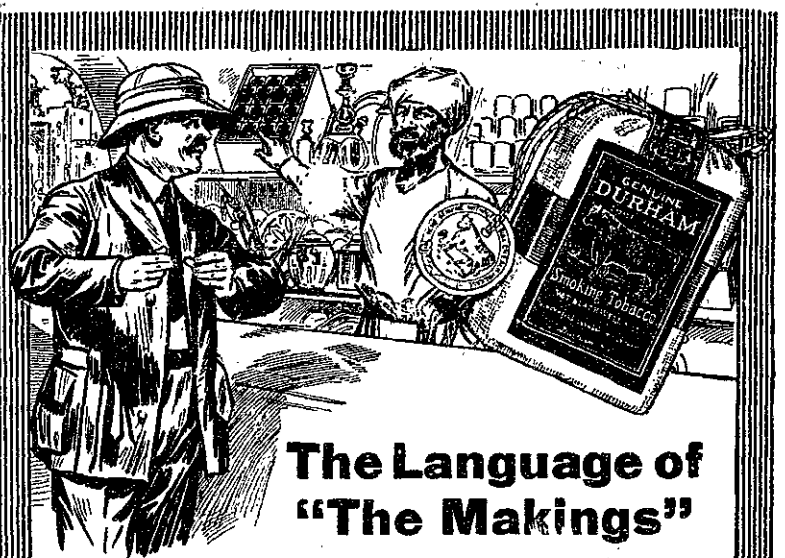
TECHNIQUE NEWS (Continued from Page 1.)

have given data and proof which cannot be disputed, why then should they further delay in making known these two great things that play so dominant a part in the formation of the complete whole? There is no reason and for that very reason they have become most liberal and confided their hitherto deepest secrets to THE TECH that this illustrious publication may make them known to the student body at large.

Who is there that does not like to have something secret, just a little something that he does not want to tell to everybody? Former Techniques have felt it their right to enjoy such secrets that they might be sprung on anxious and excited students with the first appearance of the book, but why should a Technique which differs so far from other Techniques in so many ways desire to keep anything from the student body? This they do not want to do, so at some future date, THE TECH will be able to tell you something about these two mysterious

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