

THE TECH

VOL. XXX. NO. 47

BOSTON, MASS., WEDNESDAY, NOVEMBER 30, 1910

PRICE TWO CENTS

PLANS AND AIMS OF THE TECH OUTLINED

As Representative of the Institute It Works for Best Interest of All.

ELECTIONS ANNOUNCED.

Mr. I. W. Litchfield, 1885, and Ben S. Jacobs Give Valuable Suggestions at Tech Dinner.

At 7 o'clock last evening The Tech held its first dinner of this year. There were a large number of men present and the gathering was an unusually informal one. A novel souvenir was at each plate in the form of an 1882 issue of The Tech, which was at that time a monthly.

After the dinner the toastmaster, Mr. R. H. Ranger, who has just resigned from the position of general manager, introduced Mr. I. W. Litchfield, 1885, former editor of The Tech in its earlier days. Mr. Litchfield spoke very informally and gave the men some excellent advice. He told how The Tech had started as a monthly and then had evolved into a weekly, and tri-weekly, until it was now a daily, and he said that each of the changes had been an effort, and the fact that it is now a daily is a credit to its past and present editors. Circulation is a good indication of the quality of a paper, he said.

Mr. Ben S. Jacobs, the advertising manager of Conrad's, was then introduced, and he also gave some valuable advice, intermingled with several laughable anecdotes. He said in part:

Advertising is a psychological subject. An ad to produce results must be interesting to the persons who read it, and must appeal to them. Advertising must either exploit a necessity or create a desire. He ended his talk by volunteering to answer any questions asked him.

At the end of Mr. Jacobs' talk Mr. Ranger said that the announcements of appointments to the various positions were as follows: In the board elections Stanley E. Bates, 1911, was elected General Manager, and Elliot W. Tarr, 1912, was elected Managing Editor. For the news staff, A. H. Waitt, 1914, and Maurice Paris, 1914, were elected. For the business staff, M. Lewis, 1913; K. R. Johnson, 1914; D. E. Van Volkenburgh, 1914, and J. C. Morse, 1914. A new department has been created, or rather an old one has been revived, and it is called the art staff. H. B. Horner, 1913, and E. C. Taylor, 1914, were appointed to this staff.

Mr. Bates was then called upon to speak, and in a short speech he complimented Mr. R. H. Ranger on the work he had done for The Tech, and said that it was due to him that The Tech was made a daily. He also said that the undergraduates, particularly the Freshman class, had not been supporting The Tech as they should by coming out for the staff, but he thought better days were coming and he would do his best to hasten them along.

Following this Mr. Ranger gave a short history of The Tech, showing the development which has taken place during the last few years, and outlining the aims and ideals of the paper.

He said in part:

Three years ago, H. W. Hoole, as head of The Tech in the position of Editor-in-Chief, gave the paper an impetus—the greatest that has ever been given. He raised the paper to a standard that warrants careful study now. It was at a time of great activity in the line of athletics and Institute Committee work. The paper was an effectual force in Institute affairs, and it may be honestly said that the

(Continued on Page 3.)

CAPT. BOOKMILLER TELLS OF PHILIPPINES

New York State Club Has Enjoyable Dinner at Union.

NEW OFFICERS ELECTED.

Kester Barr of Buffalo President—Duffet, Gabriel and H. B. Davis Officers.

Twenty members of the New York State Club spent a very enjoyable evening last night at the Union. After dinner had been served Captain Bookmiller gave a very interesting talk on his experiences in the Philippines. He spoke of the trip on a transport from San Francisco to the Philippines, and the methods which the natives use in fighting. No real battle was fought out there; the natives would flee to the brush after a skirmish, where there was a thick growth of bamboo, underbrush and vines which could scarcely be penetrated.

The most civilized natives of the Philippines live on the Island of Luzon; there they fought with rifles instead of bolos. The inhabitants of the southern islands were wilder and would fight savagely in hand to hand conflict, and did all kinds of daring deeds to gain possession of a rifle. The revolting natives would torture all the inhabitants who seemed friendly to the Americans.

After Captain Bookmiller's speech, according to the custom of the club, the new members told from where they came and gave some items of interest concerning their city.

The following were admitted to membership:

J. J. Strachan, 1913; P. Ruttkay, 1913; W. A. Canady, 1914; G. J. Chambers, 1912; H. A. Affel, 1914; E. W. Mann, 1914; F. C. Healy, 1914; A. Katz, 1912; A. R. Herman, 1911; I. Spector, 1911; G. Fuller, 1911; S. Eynon, 1913; W. G. Thomas, 1914; H. N. Calver, 1914.

Officers of the New York State Club.
President—Kester Barr, 1911, Buffalo.

V-President—Norman Duffet, 1911, Rochester.

Secretary—Charles L. Gabriel, 1912, New York City.

Treasurer—H. B. Davis, 1912, Lancaster.

Executive Committee—R. Smythe-Martin, 1913, New York City; Philip Schmitt, 1913, New York City.

M. E. SOCIETY EXCURSION

To Saco & Pettee Machine Works—Start From Engineering A at 2 O'Clock This Afternoon.

At 2 o'clock this afternoon the Mechanical Engineering Society will start from Engineering Building A on an excursion to the Saco & Pettee Works at Newton Upper Falls. These machine shops are among the finest in this country, and they manufacture drawing frames, cards, carding frames, railway heads, etc. They have an excellent foundry, and their moulding machinery, which turns out its product over and over again without the slightest flaw, is a model of its kind. The same company has another very large machine shop and foundry in Biddeford, Maine. Several of the Institute graduates are employed in both shops, and Mr. Oscar E. Nutter, 1899, is superintendent of the works at Newton Upper Falls and Mr. E. E. Blake, 1893, is superintendent of the works at Biddeford. Another product of the works is cotton machinery and various implements used in the manufacture of cotton goods. There will be someone to show the society about the shops, and it will be worth the while of every member to go if it is possible for him to get away.

STANDARDS FOR INVOLUTE GEARS

Course II Men Investigating Question—Englishmen Also Interested.

NEWS OF THE DEPARTMENT.

Graduates Have Good Positions—Students Help in Pump Test.

During the last year, Prof. Lanza, head of the Department of Mechanical Engineering, has undertaken to have experiments carried on by seniors as thesis work, to determine the relative friction loss and noise in the various systems of interchangeable involute gears. Prof. Lanza is a member of the committee appointed by the American Society of Mechanical Engineers to study this question and to recommend, if possible, some standard system, the gears of which shall work together, provided the pinion has not less than twelve teeth. A thesis was performed upon this subject by Messrs. Green and Doble, and the work is being carried on this year by Mr. Waite for his thesis.

The British Institution of Mechanical Engineers has also appointed a committee upon the same subject, and it seems to be the desire of both committees to co-operate. At the joint meeting of the Societies held in England this Summer, a personal paper was read before them by Mr. Wilfred Lewis, chairman of the A. S. M. E. committee, the committee as a whole not desiring to report at that time; preferring to report first before their own society. Mr. Lewis graduated from the Institute in 1875, and is president of the Taber Manufacturing Company, Philadelphia.

(Continued on Page 3.)

IMPORTANT ORCHESTRA REHEARSAL.

As the M. I. T. Orchestra will play at the Musical Club concert, December 16, it is desired that every member attend the meeting tonight at the Union, at 5 P. M. Mr. Franzheim, manager of the musical clubs, will address the orchestra members in regard to particulars, etc. Important other plans will be discussed and votes will be required on several projects.

SALISBURY HAS HIGHEST SCORE

Du Pont Cup Com. Petition Nearly Completed—Track Dinner Next Week.

The competition for the Du Pont Cup has been almost completed, and Coach Kanaly expects that by the end of the week most of the men will have turned in their reports and the results will be known. At present W. C. Salisbury, 1911, has the highest score with 212 points; 100 points secured in the pole-vault, 100 in the 440-yd. dash, and 12 in the discus throw. The track men have taken a lively interest in the competition and it has brought out several new men.

The track dinner, which was postponed, will be held on Wednesday, Dec. 27. Captain Salisbury will act as toastmaster and Mgr. H. S. Benson, 1912, Coach Kanaly, and Dr. J. A. Rockwell, 1896, chairman of the Advisory Council, will be among the speakers. Considerable interest is attached to this dinner, as it is the first large social gathering of track men. All men who have any interest at all in track work are urged to come out and get in touch with the members and officials of the team.

HOUSE OF GOVERNORS IN THIRD CONFERENCE

Topics of the Day to Be Discussed—A Permanent Organization May Result.

INTERESTING RULES ADOPTED.

The Opinion a Governor Expresses in the Meeting Must Be His Policy in His State.

The third conference of Governors began in Frankfort, Kentucky, yesterday. This "House of Governors," as it is called, is a new undertaking in the American form of government. Great possibilities are expected from the meeting as several important topics are to be discussed. The popular election of U. S. Senators, the income tax and conservation of the natural resources are sure to be considered from all sides.

It is to be understood that the "House of Governors" has no law making power, but will be able through its collective influence to urge laws pertaining directly to topics of the day. One of the chief reasons for having this new branch in American politics is to get a body which will directly represent the people of the State as a whole. The United States Senators, since they are elected by the Legislatures of the States, are not direct representatives; the members of the House of Representatives are direct representatives of only the districts of the States, but the Governors are elected directly by the people throughout the whole State. A very good measure adopted by the House of Governors is that the voice of the majority will not be binding, but if a Governor stands for one thing at the conference he must stand for it at home.

The State governments today can cope with many issues of vital interest which Congress cannot consider because of constitutional limitations. Steps are being taken to make this organization a permanent one, and to have the meetings annually. The plan by which the House of Governors will control this legislation is so simple that its chief wonder is that it was not discovered before. If it is a further step towards democracy it should be made a permanent organization.

CALENDAR.

Wednesday.

12.45—E. E. Excursion to Fore River.
2.00—M. E. Society Excursion to Saco from Eng. A.
4.00—Basketball Practice—Gym.
4.00—Gym Team Practice—Gym.
4.00—1913 Cross-Country Practice—Gym.
4.00—1914 Cross-Country Practice—Gym.
6.00—Catholic Club Dinner—Union.
6.30 P. M.—New York State Club Dinner—Union.

Thursday.

12.45—Electrical Excursion.
4.00—Gym Team Practice—Gym.
4.00—1913 Cross-Country Practice—Gym.
4.00—1914 Cross-Country Practice—Gym.
4.00—Mandolin Club Practice—Union.
4.00—Glee Club Practice—Union.
6.45—Hockey Practice—Arena.

THE TECH

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S. E. Bates, 1911.....General Mgr.
News Board.
 G. M. Keith 1912.....Editor-in-Chief
 E. W. Tarr, 1912.....Managing Editor
 T. E. Senior 1913.....Gen'l News Editor
 R. S. Rankin, 1913.....Athletic Editor
 A. L. Myers, 1911.....Institute Editor

Business Board.
 H. W. Hall, 1912.....Business Manager
 J. B. Nealey, 1912.....Advertising Mgr.
 A. T. Gibson, 1913.....Circulation Mgr.

Associate Editors.
 E. W. Taft, 1913.....Societies

News Staff.
 A. H. Waitt, 1914.
 M. Paris, 1914.
Business Staff.

M. Lewis, 1913.
 K. S. Johnson, 1914.
 J. C. Morse, 1914.
 D. E. Van Volkenburgh, 1914.

Art Staff.
 W. S. Crost, 1912.
 H. B. Horner, 1913.
 E. C. Taylor, 1914.

Office, 42 Trinity Place.
 Telephone, Back Bay 2184.

All communications should be addressed to the proper departments.

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WEDNESDAY, NOVEMBER 30, 1910.

The Tech announces the election of Stanley Edwards Bates, 1911, to succeed Richard Howland Ranger, 1913, as General Manager, and Elliot Whitney Tarr, 1912, to succeed Mr. Bates as Managing Editor.

The following men are appointed to the staffs of The Tech:
 News Staff—A. H. Waitt, 1914, and M. Paris, 1914.
 Business Staff—D. E. Van Volkenburgh, 1914; K. S. Johnson, 1914; J. C. Morse, 1914, and M. Lewis, 1913.
 Art Staff—W. S. Crost, 1912; H. B. Horner, 1913, and E. C. Taylor, 1914.
 Mr. Bates is well qualified to take charge of the paper through experience gained not only on The Tech but also on the Columbia Spectator. Mr. Tarr rises to the position of Managing Editor from that of Society Editor.

The Tech loses an invaluable and untiring worker through the resignation of Mr. Ranger. It was largely through his efforts that The Tech became a daily, and through his personal work and through his inspiration that the daily became an assured success. Mr. Ranger has served as General Manager since the first appearance of The Tech as a daily, a year ago last September. He resigns "to give The Tech the benefit of new workers and the natural impetus of new ideas."

FRIDAY EVENING ENTERTAINMENTS TO START AGAIN

Mr. Seth K. Humphrey to Give Lecture on "Messina and French Africa."

The Friday evening entertainments will be started in earnest next Friday evening in the Union, at 8 P. M. These entertainments were always well attended last year and very interesting programs were arranged. For this first meeting the committee has secured Mr. Seth K. Humphrey, 1899, who is so well known to Tech men as to need no introduction. Mr. Humphrey will speak on "Messina and French Africa."

TECHNIQUE BOARD MEETING.

Much Important Business Transacted—Class Picture to Be Exhibited at Tech Union—Affairs Progressing Smoothly.

At the Technique Board meeting, held yesterday afternoon, a great deal of business was disposed of. The engraving contract of the Technique, 1912, was awarded, and the printing specifications were sent out for estimates. To the art staff were elected three assistant art editors. The proof of the class picture was on hand at the meeting and was pronounced as a good one. This proof will be posted in the Technology Union, and the individuals in the picture are asked to sign their names opposite their respective numbers. Ads are coming in first rate and the affairs of the Board are progressing with sufficient smoothness to warrant an optimistic outlook.

SOUTHERN CLUB DINNER THURSDAY EVENING

Arrangements Will Be Announced for Ensuing Year—Enrollment Large.

Next Thursday evening the Southern Club of the Institute will open the year by holding an informal dinner at the Technology Club. A fine time is promised, the usual Southern cordiality will be in evidence, and a large number are expected to attend. There are fully sixty members in the club this year, and all signs point to a very successful season with a flourishing membership.

A number of social affairs have been decided on for the year, but no definite dates have been set. A short time before Christmas an entertainment for the members and their lady friends will be held at the Technology Club. At the beginning of the second term the club will hold a dance and later in the year there will be other entertainments and several more dinners. Applications for membership should be sent to G. S. Watson as soon as possible.

Dr. Edwin R. A. Seligman, professor of economics at Columbia, was given a dinner the other day at the Hotel Astor as a token of appreciation of his twenty-five years of service. The committee in charge was headed by President Butler and Col. Roosevelt.

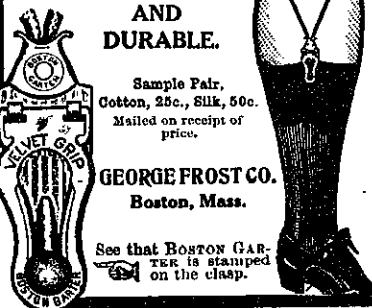
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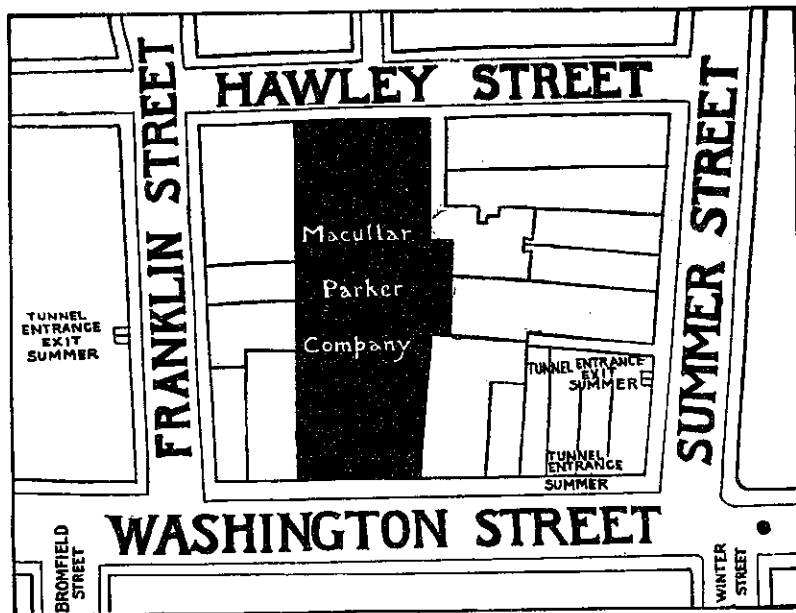


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OPPOSITE YOUNG'S HOTEL

(Continued from Page 1.)
 present Union where we now are would never have existed had it not been for The Tech, Vol. 27.

But there were two possible faults at this time. The first was the financial basis, and the second the scholarship. Now, The Tech is better on both sides than it has ever been before. The Tech was the first to carry out this scholarship question which has since entered into the elections of other of the larger activities, and it did it first by decreasing the amount of work required of each man by increasing the number of men, and by keeping after the scholarship records. The Finance Commission accomplished the second purpose. In 1907 the paper was practically a one man paper, but at the end of 1908 there were six men working on each issue, and only once a week on the tri-weekly paper. This was so successful that the question of a daily was considered carefully and finally adopted for the following reasons:

1. Financially. It is more economical per issue to get out a paper regularly every day where men can be hired for the work on regular schedule. Advertisers take more to the idea of a daily newspaper than a tri-weekly. It is a better business proposition for them.

2. Publication. Procrastination steals away the time of the men working on the paper, who over-exaggerate the time on their hands with a tri-weekly.

3. Efficiency. An institution the size of Tech requires a co-ordinating force that is up to date and comes out at least daily. The work was started in the new double office constructed for the purpose in the Union. The last point of efficiency has not as yet been sufficiently covered, particularly from the Faculty notice standpoint.

The original enthusiasm of the idea of getting out a daily has worn off. We must now consider the makeup of the paper carefully so that the paper will be the best from all standpoints.

We must develop news more from the standpoint of the student as a student, and less as a member of some activity. The last is important, but it must not crowd out the former. The Institute is a big organization, 10,000 alumni, 1,500 students, and 250 instructors. The Tech should be the binding intelligencer that should keep each part in actual contact with what

is being carried on by the others.

In closing, he emphasized "punctuality, scholarship, co-operation, cleanliness, live wire interest with abundance of ideas, and financial stability, so that in looking back to this work you can truthfully say that the Institute is better off for your work on The Tech.

(Continued from Page 1.)

All of the assistants in the Mechanical laboratories last year now have fine positions. J. W. Nickerson is with the Sayles Bleacherie's Company, Saylesville, R. I. R. L. Smith is mechanical engineer with the Baxter D. Whitney and Sons Company, manufacturers of wood-working machinery, Winchendon, Mass. R. B. Weiler is with F. A. Hannah, production engineer, with headquarters in Chicago. R. C. Latimer is with H. L. Coburn of the Amburson Hydraulic Construction Company, Boston. J. A. Willard is with the Trenton Iron Company, Trenton, N. J.

Wednesday of this week, the M. E. Society will run an excursion to the Saco and Pettee Works at Newton. An extra large foundry and machine shop, where all kinds of cotton machinery are made, will be of interest to Course II men. Professor Haven and possibly Prof. Schwamb will accompany the party.

The Schutte Koerting Company of Philadelphia, Pa., has presented the Department, through Prof. Miller, with one of their eductor condensers for 8-inch pipe.

B. R. T. Collins, '88, formerly an instructor at the Institute, and who at the time of the World's Fair at Chicago took a party of students on the steam yacht "Cadet" from Boston to Chicago by way of the Erie canal, has opened offices in Boston as a fuel-oil engineer.

Mr. Collins was formerly chief engineer at the Harrison Street Station of the Chicago Edison Company, and later was with Stone and Webster for some time. His specialty now will be the remodeling of boiler plants using coal, for the use of oil as fuel.

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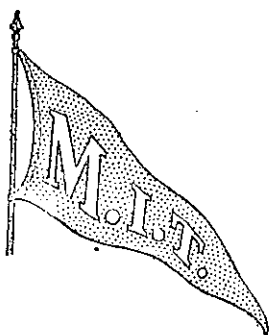
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DEFICIENCIES IN PHYSICAL LABORATORY.
Attention of students is called to the fact that all deficiencies must, by Faculty rule, be made up before Thursday, December 1st. The laboratory will not be open to students for making up back work after that date.
(1) H. M. GOODWIN.

'VARSITY BASKETBALL.
Under classmen, there is room for somebody in the Management Candidates for Assistant. Report to me at Gym at 5 o'clock Monday, Wednesday and Friday.
L. W. CHANDLER, Mgr.

ASSISTANT MANAGERS OF TECH SHOW.
Competition for assistants in Tech Show, 1911, has begun. There are three assistants to be chosen, preferably one Sophomore and two Freshmen. Manager Lenaerts will be in the Show Office, Room B, daily, from 1 to 2 o'clock, to meet all candidates.

CIVIL ENG. SOCIETY PINS AND FOBS.
Design posted in Eng. A Bulletin Board. Plain Pins, 80c.; Pin with safety catch, \$1.00; Black Leather Fob, \$1.00. Members may obtain same by placing order with I. D. Powell, Wm. H. Coburn, or H. P. Ireland, AT ONCE.

LOST.
A small black leather-covered note book with owner's name inside front cover. Finder kindly leave at the Cage. (3)
FOURTH YEAR—COURSE II. HYDRAULICS.
November 26, 1910.
Exercises in Hydraulics will begin the week of Monday, November 28th, according to the Tabular View, in Room 47 Engineering A.
WALTER HUMPHREYS, Registrar.
(1)

NOTICE.
Two volumes of Technique for sale, 1894 and 1895; 1895 is dedicated by President Walker and has his picture as a frontispiece. Apply at Room 36, Walker.

NOTICE.
Gentlemen, I call to your attention that I will pay more for your cast-off clothing than any one in my line of business. A trial will convince you. Send postal to Max Keezer, 3 Bow street, or telephone Cambridge, Mass., 302. (tf)

Ben Ellis, 94 Dudley street, pays highest prices for Students' cast-off clothing. Send postal and will call. Nov 22 (1)

SENIOR PORTFOLIO ELECTIONS.
Ballots for Senior Portfolio Committee elections have been left at the Cage for every man carrying a majority of subjects with 1911. Ballots due at the Cage Monday, December 5, at 4 P. M.
H. F. DOLLIVER, Clerk.

1912 PROM. COMMITTEE.
All nominations signed by ten men must be at the Cage by 4 P. M., Monday, December 5.
J. L. BERRY,
P. W. DALRYMPLE,
BATES TORREY.

COMMUNICATION.
Editor of The Tech:
While innocently reading a copy of your valuable paper, in Political Economy, yesterday, I noticed a communication from some half portion who wanted to know what the matter was with the Union Entertainment Committee.
I noticed yesterday on the bulletin board one of the long-hoped-for notices informing me that an entertainment is to be given this Friday evening. This, of course, rather shows up Mr. Demi Tasse's methods of investigation, as it is hardly possible that the committee could have gotten as well known a speaker as Mr. Humphrey on short notice.
Sincerely yours,
S. P. N.

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