

THE TECH

VOL. XXXII. NO. 25

BOSTON, MASS., TUESDAY, OCTOBER 29, 1912

PRICE TWO CENTS

WERLICH AND ALT TIE FOR PRESIDENT

New Election Necessary for This Office—Sophomores Poll Small Vote.

The light vote polled by the members of the Sophomore class resulted in a tie vote between P. M. Werlich and E. E. Alt for president. As a result a special election for this office only will take place with these two men as candidates, and the ballots are now at the Cage, and will be due next Monday at 4 P. M. All those who have paid their dues or pay them before Monday may vote.

Werlich was captain of the class tug-of-war team last year, and is out for the team again this year. He was on the crew last year and was prominent in class activities. He went to prep. school at the Asheville School, N. C., and was on the football team and crew there. E. E. Alt has been prominent in class athletics both this year and last. He was on the Freshman track team last year, taking part in weight events. He came from Northwestern University, where he was captain of the Freshman swimming team and a member of the Varsity track team.

F. P. Scully, captain of the 1915 football team, was elected vice-president. He was manager of his class basketball team, and played on the winning football team in his Freshman year. He went to English High, where he was prominent in athletics, being all-scholastic quarterback his last year. He was also a member of the M. I. T. A. A. last year. R. L. Fletcher, the secretary for the coming year, went to Andover, where he played on the hockey team. He was on the hockey squad here last year, and also his class football squad. The newly elected treasurer, H. A. Crowell, was a member of the wrestling team and class football team. He was also on the Freshman track team last year, and represented the class on the Institute Committee. The members elected to the Institute Committee this year are C. F. Fry and T. F. Spear. The former is the manager of the class football team this year. Spear went to Mechanic Arts, where he was prominent in athletics. He was manager of the class relay team last year, and represented the class on the M. I. T. A. A. D. M. Hughes and G. Urquhard were elected to the Executive Committee of the class. Hughes is first assistant stage manager of Tech Show this year, and was second assistant last year. Urquhard comes from Williams College, and was a member of the class dinner committee last year.

The class will be represented on the Athletic Association by A. B. Curtis and J. H. O'Brien. Curtis is captain of the class relay team this year, and was a member of the class track team last year. O'Brien is on this year's football team, and won the game for 1915 last year. He was prominent in athletics at both Andover and Mechanic Arts. T. J. Barry, an athlete from Mechanic Arts, was elected clerk. He was on the class track and relay teams last year, and is on the relay team this year.

MR. WHIPPLE SPEAKS AT BIG WILSON RALLY

Discusses High Cost of Living As Chief Issues in the Coming Election.

Mr. Sherman L. Whipple gave an address at the Wilson rally at the Union yesterday. He said that the present campaign is unusual in having three candidates, and is particularly interesting on account of the important issues involved.

Of the many issues involved in the coming election, among he mentioned the referendum and the recall. Mr. Whipple singled out one which he regarded as of paramount importance, that of the rapidly increasing cost of living. He gave 100 per cent. as the average increase in the cost of staple necessities during the past decade.

The next question Mr. Whipple discussed was whether this condition is a dispensation of Providence, which we cannot avoid, or whether we can do something to ameliorate it. He then stated the attitude of each political party on this question, and gave as his opinion that they ought to be judged mainly by their attitudes on this one issue.

The Republicans, he said, stated in their platform that the high cost of living was a matter of national concern, but they could not say what was the cause, but that it was not the tariff nor the trusts. They propose to have the question investigated by experts free from political influence and take action on their report.

The Progressives, he continued, while advocating many things of which, as a humanitarian, he approved, took no decided stand on this most important issue.

The Democrats, on the other hand, assign a definite two-fold reason, namely, the tariff, and the trusts. Mr. Whipple declared that he thought that party deserved men's votes which recognized this fact and proposed to deal with it.

He mentioned as one of the reasons assigned, a scarcity of cattle per capita in the country. He then showed conclusively by figures that the number of cattle per capita has increased during the past decade, and the number of sheep as well.

Another reason assigned is the large quantities of gold which have recently come into circulation; and this, according to Mr. Whipple, is the more dangerous assertion, because it is generally correct. But, if this were the actual reason, wages and salaries would go up together, which has not been the case.

It has also been suggested that the

(Continued on Page 3, Col. 2.)

SENIOR CLASS DINNER.

Tomorrow evening the Senior Class will hold its dinner in the Union, and it is expected to be an excellent one. Prof. Walker and Dean Burton will speak, as will several other prominent men, and it is expected that the Glee Club Quartet will give several selections. The results of the class elections will be announced and souvenir pipes will be given out. The tickets, which are 75 cents, may be obtained from all prominent class officers.

BULL MOOSE MASS MEETING THIS NOON

Lawrence Brooks of Harvard to Speak—Men Wanted to Address Rallies.

Lawrence Brooks, a young man of the sort young men like to meet and listen to, will speak this noon at 1.30 o'clock in the Union, under the auspices of the Progressive Club. Mr. Brooks is a recent graduate from Harvard. He is one of the many men who are in the party not as candidates for office, but entirely on account of their belief in the principles for which the Progressive party stands.

He was one of those who, with Matthew Hale, Russell Wood, Richard Washburn Child, Albert Bushnell Hart, Charles Zueblin, George W. Coleman, Professor Lewis J. Johnson of Harvard, and a long list of others worked last spring before the primaries to secure the election of Roosevelt delegates to the Republican convention at Chicago. This is the group of men who worked night and day and finally, in spite of the opposition of both party machines, secured the passage of the presidential preference primary bill.

After the convention at Chicago this same group of men set to work at the well-nigh impossible task of founding a new party. Without money, without political experience, they accomplished their task. In August even those who felt that Roosevelt and Johnson had a chance in such progressive States as Kansas and California, believed that to build up a strong party in conservative Massachusetts was impossible. Today the Progressive party in this State, as elsewhere, is recognized by all as a force to be reckoned with.

In all this work Mr. Brooks has had and is still taking a large share of responsibility. He will bring an interesting message and all Technology men, Republicans, Democrats, Socialists, Prohibitionists, LaFollette supporters and any others, are cordially

(Continued on Page 3.)

COSMOPOLITAN CLUB.

National Chairmen Meet and Name National Nights.

Yesterday afternoon the National Chairmen and Executive Committee of the Cosmopolitan Club met in the Union and voted on several important measures. As President Lehmaier was unable to be present, Vice-President N. S. Salibi presided, and after a few words of introduction the committee proceeded to the discussion of the dates for National Nights. The following dates were set: Nov. 16, Ottoman and Indian Night; Nov. 30, Anglo-American Dance; Feb. 15, Latin-American Night; March 8, Japanese Night; April 5, or May 3, final Joint Night.

It has been customary for the club to have Ladies' Nights occasionally, and because of the marked success of these gatherings, Mr. Lehmaier proposed, through Mr. Salibi, that all National Nights be made Ladies' Nights. This measure met with unanimous approval.

Because of omissions in the send-

(Continued to Page 2, Col. 2.)

JUNIOR BALLOTS NOW READY AT CAGE

Ballots Must Be at the Cage By Friday at 4 P. M., With Dues Paid.

The 1914 ballots are now ready at the Cage, and also are being distributed in many of the class rooms. They are due at the Cage next Friday, November 1, by 4 P. M. All ballots or any communications for the committee in charge of the elections are to be addressed to the 1914 Ballot Committee, the Cage. All class dues must be paid before the election or the vote is void. Dues may be paid to any class officer, or may be enclosed with the ballot.

The files of THE TECH give information of most of the candidates. Of the men nominated for class president, R. C. Doremus was on the Technique Electoral Committee and the Glee Club. J. C. Morse was a member of the Technique Electoral Committee, and is Statistician of Technique, 1914. A. T. Wyman was class treasurer last year, was a member of the Electoral Committee, and is Art Editor of Technique, 1914; he was also a member of the class relay team.

Those nominated for vice-president are: D. O. Dunn, who was a member of the Glee Club; H. B. Richmond, who is vice-president of the Wireless Club, a member of the Committee on Excursions of the E. E. Society, and who was vice-president of the Gun Club last year; and P. E. Morrill, who is secretary of the C. E. Society.

For secretary, C. H. Ober was a member of the class tug-of-war team. A. R. Stubbs was a member of the class relay team, and was a member of the Institute Committee his first year. P. H. Taylor was secretary of the class last year, was a member of the class relay team, and is Assistant Publicity Manager of Tech Show.

Of the candidates for treasurer, T. J. Duffield rowed on the Varsity crew; L. F. Hamilton was captain of the winning company at prize drill last year, is major of one of the Institute battalions this year, and is a member of the Committee on Uniform Minute Books, appointed by the Institute Committee. A. D. Hiller

(Continued to Page 4.)

THE WEATHER.

Forecast for Boston and vicinity: Fair today; moderate variable winds.

CALENDAR.

Tuesday, October 29, 1912.

1.00—Wilson Parade Ticket Sale—Union.
1.00—"Tech Night" Ticket Sale—Rogers Corridor.
1.30—Progressive Rally—Union.
4.15—Orchestra Rehearsal—Union.
6.30—Episcopalian's Supper—Trinity House.

Wednesday, October 30, 1912.

1.00—Wilson Parade Ticket Sale—Union.
1.00—"Tech Night" Ticket Sale—Rogers Corridor.
3.02—Leave Back Bay Station for Hare and Hound Chase.
4.30—Biological Society Meeting—11 Eng. B.
6.30—Senior Dinner—Union.

BULL MOOSE MASS MEETING—TODAY—1.30 UNION

THE TECH

Entered as second-class matter, Sept. 15, 1911, at the postoffice at Boston, Mass., under the act of Congress of March 3, 1879.

MANAGING BOARD.

A. T. Gibson, 1913.....General Manager
S. H. Taylor, 1914.....Editor-in-Chief
A. H. Whitte, 1914.....Managing Editor
B. E. Adams, 1915.....Business Manager

NEWS BOARD

E. W. Mann, 1914.....Athletic Editor
M. Paris, 1914.....Institute Editor
P. J. Munn, 1915.....Institute Editor
H. Rogers, 1915.....Societies Editor

NEWS STAFF.

S. Berkowitz, 1915.....L. Lamb, 1914

Office, 42 Trinity Place.
Phone—Back Bay 5527 or 2180.
Night Phone—Back Bay 5527.

Published daily, except Sunday, during the college year by students of the Massachusetts Institute of Technology.

Subscriptions, \$2.00 per year, in advance. Single copies, 2 cents.

TUESDAY, OCTOBER 29, 1912

Men of 1913, do you realize that you are now bringing to a close a period of your lives which has been perhaps the most important of any that you will have to go through. You have been laying the foundations of your whole future lives, and you have been doing so in one of the finest educational institutions in the world.

You have been forming friendships which will be lasting, and many of which will curb your temptations or exhalt your ambitions and points of view. Each man has formed these friendships largely among his classmates, who have been, throughout these years of earnest study, his companions and helpers, and it is to them that his love and fond recollections will ever turn through many years of varied experiences and broadening interests.

The first Senior function of the year, a dinner, takes place on Wednesday of this week, and will be the first of a series which will bring the men of 1913 together as undergraduates for the last time. Now is the time for you to show your love for Technology and your class in giving your efforts to the success of its gatherings. This dinner will mean much to the men who attend, and it behooves every man to seize eagerly the wonderful opportunity which is still his during these last few months of Institute life, for knowing better the men with whom he has been so closely associated as a member of the Class of 1913.

BOORS.

Are any men among the undergraduates such boors that they have no feeling for the gifts of their predecessors and respect for the efforts of earnest well-wishers and doers in their behalf? We have observed on several occasions that several men have placed lighted cigars and cigarettes on the furniture in the Union and paid not the slightest heed as to the damage that was being done by the burning coil. The piano is burned in several places, and there are many other charred spots on the chairs and tables which are the results of thoughtlessness on the part of a few boorish students who, apparently, do not realize at least their obligation to the men who have gone before and made their present conditions at the Institute possible and those who are to come after.

TRINITY HOUSE DINNER.

The Brotherhood of St. Andrew wishes to remind all Tech Episcopians that they are urged to come to the dinner to be given by it at Trinity House tonight. Mr. Stanton King, who is at the head of the Sailors' Rest, will talk on "Work Among Sailors." The price of the dinner will be fifty cents, and the Brotherhood of St. Andrew assures the fellows that they will be more than repaid because the speaker is well known and is a very interesting talker.

PROPERTIES OF ARGON DESCRIBED LAST NIGHT

Sir William Ramsay Prepares Argon at the Lowell Lecture.

At the Lowell Institute lecture, last night, Sir William Ramsay continued his course of lectures on "The Discovery of the Gases of the Atmosphere." He said that a century had elapsed from the time of Cavendish's discovery of argon to its rediscovery by Rayleigh. It was while making accurate determinations of the density of nitrogen obtained from air and that obtained from chemical compounds that Lord Rayleigh found a discrepancy greater than that due to any experimental error. He invited other chemists to find a reason for this difference, and Sir William Ramsay was one who attacked the problem. He remembered hearing of Cavendish's experiment, and he told Lord Rayleigh of it.

Meanwhile Sir William Ramsay began experimenting with nitrogen of the air, and last night he exhibited in action his method of preparing argon. He passed the nitrogen over potassium hydroxide, phosphorus pentoxide, and red-hot copper, and then over magnesium, which burned with the nitrogen to form magnesium nitride. The gas that was unacted upon was the argon. He showed illustrations of the apparatus which produced argon pure on a large scale.

He then discussed the work that he and Rayleigh did to prove that this residue was not nitrogen, and that it was a normal constituent of the air. They determined its density, and found that the residual gas was heavier than nitrogen. Lord Rayleigh diffused air through pipe clay, and showed that argon could be sorted from nitrogen and oxygen. He also showed that it could be separated from the nitrogen through its greater solubility in water.

Sir William Ramsay then began to tell how it was shown that argon was an element, but he left the complete exposition of this until the next lecture. He said Sir Oliver Lodge asked him whether he had discovered the name of the new gas, and that remark led him to find a suitable name, argon (inactive).

The lecturer then described a few of the characteristics of the spectrum of argon, so that at the next lecture he might show those of the newer gases of the air. He also explained how the ratio of specific heat at constant volume to specific heat at constant pressure might be used to determine the number of atoms in a molecule of a gas, and how argon was shown to have monatomic molecules.

COSMOPOLITAN CLUB.

(Continued from Page 1.)

ing out of invitations, an Invitation Committee was created to attend to this duty, and the following men were elected to it: L. H. Lehmaier, E. Hurst and N. S. Salibi.

Mr. Salibi proposed that the office of secretary-treasurer be separated, and presented the name of Mr. J. M. Cadenas for the office of treasurer. To insure the success of the National Nights the National Chairmen were made responsible for their respective nights.

Mr. Chow presented the names of three men for admission, and a discussion as to the formalities of admission followed. It was decided that members have the right to propose new names, and should do so by leaving the names of the candidates with the National Chairman, who will in turn submit them to the National Chairmen for approval. In two weeks the candidates will be admitted or rejected. It is believed this method will eliminate the chance of admitting undesirable candidates.

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HOTEL BRUNSWICK

BOSTON

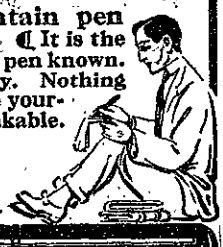
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Assets other Boston Trust Co.'s (Sept 4, 1912) 170,000,000

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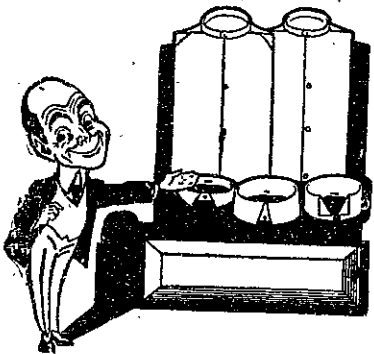
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The Attendance

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PARADE TICKET SALE.

Big Parade Saturday Night of
Wilson College League.

It is expected that nearly 2000 college men will be in line in the Woodrow Wilson College League's parade next Saturday night. The league expects to have representatives from the following colleges: Technology, Harvard, Boston University, B. U. Law School, Tufts, Amherst, Massachusetts Agricultural College, Williams, Clark College, Worcester Tech, Brown, and if possible to arrange it, Princeton. The Princetonians will be in town for the Harvard game, and if stop-over privileges for their tickets can be arranged, they will be in the parade.

The Wilson Club of the Institute hopes to have 500 men in line, and plans are now being made for that number. Distinctive red and gray uniforms, consisting of a sash, mason's cap, and torches will be provided for 50 cents, the cost of the materials. Men intending to enter the parade should sign up with one of the men selling tickets immediately, as the orders must be placed today. After tomorrow there will be little opportunity to get the paraphernalia. At present the following men are selling tickets for uniforms: H. D. Peck, '13; R. L. Thomas, '13; J. S. Gallagher, '14; F. C. Weiss, '13, and A. J. Pastene, '13. Many other men in different classes will be provided with tickets, and they will be on sale at the Union between 1 and 2 o'clock, for a few days, starting today.

The Tech Club hopes to beat out Harvard in the number of men in line, and so the low price of the regalia was decided on in preference to a dollar, which would have included somewhat more.

Red fire will be distributed in addition to the torches. The parade will go through the business section of the city, and will probably wind up on the Common, at the new band stand, with the reading of a letter from Woodrow Wilson and other speeches.

BULL MOOSE MEETING.

(Continued from Page 1, Col. 3.)

invited to attend, while all Progressives are expected to show their interest in the cause and in the Technology club by being present.

More men are needed to work at the polls in Beverly, as stated in a recent issue of THE TECH, and any man who is willing to work on election day and will give his name to the president of the Progressive Club, or some other officer, will be used. A call is also made for men willing to speak at rallies, especially those who can appeal to crowds of mill hands. All expenses will be paid of as many men as give their services.

WILSON RALLY.

(Continued from Page 1, Col. 2.)

causes of increased cost are worldwide. Mr. Whipple, while admitting that this is true in part, refuted its general application to this country by citing actual examples of American made goods being sold much cheaper abroad than at home.

Mr. Whipple then showed how a high tariff inevitably led to combinations or trusts, and how these two factors, working hand in hand, raise the price of goods to the consumer tremendously.

In conclusion, Mr. Whipple stated that in his belief, the Democratic party, with its nominee, Woodrow Wilson, would deal immediately and effectively with these problems, and hence deserved to come into power.

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White Bosom Shirts for Dress or Business....**\$2.00 up**

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Classified Advertisements and Notices

NOTICE—Any student holding keys for Field lockers please return as soon as possible. (Signed) F. H. Briggs.

H. W. DEW, Jr., 308 Newbury St.—Arrangements can now be made for a party of students to obtain room and board at the above address.

J. L. CHAMPAGNE'S All-College Dancing Parties every Wednesday and Saturday evenings. Lunda Gymnasium, 44 St. Botolph street, Boston. Refined patronage. (Tues-Fri)

GLEE CLUB TRIALS will be held Wednesday, Oct. 30, from 4.30 to 5.30, in the Union.

LOST—On Boylston street, about 5.30 P. M., Oct. 22, a 10-inch Kand E slide rule and case. Reward if returned to F. G. Perry, 28A Lowell Bldg.

1913 Class ballots may be obtained at the Cage. They are due at 4 P. M., Wednesday, October 30.
1913 ELECTIVE COMMITTEE. (19-St)

PRECISION OF MEASUREMENTS.
The lectures in Precision of Measurements for entering College Students will be held on Mondays and Fridays at 4 P. M., in Room 23, Walker Building, during the first five weeks. (8-11) H. M. GOODWIN.

FREE TICKETS to the Museum of Fine Arts for the year 1912-13 will be issued to students upon application at the ticket office at the entrance to the Museum. (6-11)

FOUND—A rain coat and fountain pen. Owner can have same by applying to the Bursar's Office. F. H. Rand.

FOUNTAIN PENS—Call at THE TECH office and see our line of first-class fountain pens at low prices, any morning, 8.30 to 9.00.

NEXT SATURDAY, NOV. 2, is Emerson Night at Champagne's All-College Dancing Parties, 44 St. Botolph street. All Tech men and their ladies are cordially invited. **FREE PUNCH.**
(Tues. Oct 29-Friday, Nov. 1)

STUDENT VOLUNTEERS—Give your names to L. R. Talbot, T. C. A. office.

AN OPPORTUNITY for those contemplating entering into manufacturing in the line of pressed steel construction, covered by several patents. Entire monopoly of the United States. It only requires cash and energy for immediate success. No experimenting. **INVESTIGATE.** This is no visionary scheme. J. S. CANTELS, MALDEN, MASS. (29-11)

FACULTY NOTICE.
Candidates for Graduation.

October 28, 1912.
Notes in regard to status with reference to graduation have been sent to fourth-year students. Any student who has not received a note should consult me if he expects to be a candidate for graduation in June, 1913.
A. L. MERRILL,
Secretary of the Faculty.

PRIVATE HOME—One large room, 2 connecting rooms, beautifully furnished, fine library; preferably professors or graduate students. Convenient to all electric. 19 Howard Ave., Brookline.

LOST—Twenty-inch slide rule, on Thursday, Oct. 17. Will the finder please return the same to the owner, whose name is under the slide? Reward, \$2.00 in cash or a handsome favor. (Fri-Sat-Mon-Wed)

STUDENTS' ROOMS at 31 St. Botolph street. For perfectly kept, newly furnished and well heated rooms with bath, convenience, you can get a large room for two at \$5.00, or a small front room for \$3.50. (13-31)

STONE & WEBSTER

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RUSSELL ROBB, '88
ELIOT WADSWORTH, '91
JOHN W. HALLOWELL

EDWIN S. WEBSTER, '88
HENRY G. BRADLEY, '91
DWIGHT P. ROBINSON '92

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GENERAL MANAGERS OF PUBLIC SERVICE CORPORATIONS

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Engineering Corporation
CONSTRUCTING ENGINEERS

McMORROW
College Shoes for College Men
238 Washington Street, Boston, Mass.
OPPOSITE YOUNG'S HOTEL

JUNIOR BALLOTS
(Continued from Page 1.)
was a member of the Electoral Committee, the Tech Show Chorus, and was principal in the Show last year. A. V. Swift was a member of the winning class baseball team.
Of the candidates for the Institute Committee, T. H. Chase was a member of the A. A. his first year, and was manager of the class relay team. A. E. DeWitt is a member of the Class Pipe Committee and has been prominent in activities. A. H. Waitt has been a member of the Institute Committee from the class for two years, is Managing Editor of THE TECH, is a member of the Class Pipe Committee, and president of the M. I. T. Progressive Club.

Of the candidates for Executive Committee, F. A. Mackentepe has been a member of the class football team, the swimming team, and is a member of the Executive Committee of the Catholic Club. H. A. Mayer has been a member of the Class Executive Committee, for which he is now running, for two years, and is prominent in activities. W. R. McEwen is a member of the Glee Club and was a candidate for class president last year. G. E. Whitwell is Publicity Manager of Tech Show, this being the second year he has held that office; he is prominent in activities.

For the Athletic Association, C. D. Bryant has been captain of the class football team, member of the Electoral Committee, and a member of the winning class basketball team. C. E. Fox was a member of the Athletic Association last year, was a member of the Electoral Committee, a member of the winning class basketball team, and has been very prominent in track work, having been the star of several of the handicap meets. T. H. Guething was president of the class last year, is a member of the Varsity track team, has won the Institute letter and was a member of the class relay team; he holds the record for the 440-yard dash at the Institute. A. F. Nye is captain of the cross-country team, member of the Hare and Hounds' Club, and was a member of the Electoral Committee.

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