SOPHOMORE BALLOTS NOW READY AT CAGE

Ballots Must Be in Friday Noon at the Cage with Dues Paid.

The 1914 ballot for class elections has been published, and is ready for use. In order that C. C. Duyer, who is president, is put on with a rubber stamp, the nomination was overlooked in preparing the ballot. The nominations for President are: A. C. Duyer, T. H. Gieseling, F. D. Owen and G. C. Shedd. Those for Vio-Prep, the only post of manager of I. Hurletht and W. R. McKeen. The men out for Secretary are: R. F. Bar- L.. IlUtrlburtt and W. R. MceNwen. The looked in preparing the ballot.

issue. One name, that of G. C. Shedd, has been published, and is ready for

Ballots Must Be in Friday Noon

SOPHOMORE BALLOTS

AERO CLUB HEARS STABILITY DISCUSSED

Lehmann Talks on Equilibrium Phugoid Theory Given By Thomas.

The Aero Club held its first open meeting this season yesterday after-

noon. The members gathered in the Union and later adjourned to the Law-

Hall Building. There were only a few members present, and F. W. Caldwell

occupied the chair.

The first speaker was Mr. Lehmann, president of the club. He discussed
collibration, the elements affecting it, and the construction of its distin-

guished. He accompanied his talk with diagrams, and a passed around among

those present Illustrations which he had collected.

Mr. Thomas then offered as his sub-

ject the theory of Phugoid Curves. This theory of the Union at the effect of

acclen change of wind velocity on the stability of a machine. In his talk he

request he made mathematical deduc-

tions of the curves, covering a large blackboard. Mr. Thomas made quite

a nice picture of his diagrams and conclusions.

The chairman then brought up for further discussion one or two points which

Mr. Thomas had touched upon, and the meeting adjourned.

The closed season will be held a week from tomorrow, an

AERONAUTICS - A. F. Nye and G. C. Shedd. The others

who get up

PRIENCE SINGLED OUT

E. T. Marceau is showing up well in

job as a waiter. He makes

AERONAUTICS

BOSTON, MASS., TUESDAY, OCTOBER 31, 1911

FIRST REHEARSAL FOR 'TECH NIGHT'

"The Three Romeos" Opens At Colonial—Starring Ethel Cadman.

Everybody at the State remembers "The Arcadiens" of "Tech Night," a year or so ago, and most of us read "The Philies," so in saying that Ethel Cadman is the "real" Arwen, and Shirley Kellogg of "little" fame in "The Philies," with Georgina Calme, heid the 3rd, is enough.

The "Three Romeos" is a light, eleven-cent musical, with enough dreams (not any of the airs in-

cluding) and a real plot. The lines are bright and the constant

play of both word and expression is

improved. For songs, all Tech needs now is that we have a piano to hear Ethel singing "It's Nice to Have Some One to Love You." Wo might add that she can play the piano and sing a "Rose" in a way that wows every heart, Georgia Greene scored big with her feature song, "Looking for a Girl Like You.

Shirley Kellogg is the same old girl, crazy as ever, and singing another number, this time with "Miss Leatherhugs" to refrain. And don't forget the "Philies" all go-

forth during the night, we'll leave that till then, but their performance—Yes! Those Chicago "Philies" here who know what are a Hindoo Quilt? Well, Fred says it is

"Yes, of course, you will hear "Philies" during Tech Night."

The musical effects are brilliant, and the stage, set as it is with flowers, handkerchiefs, "chats" is one of the best musical numbers ever heard, all the best of shows for "Tech Night."

GLEE CLUB MEMBERS

The Glee Club is a little ahead of the Mandolin and Guitar Club, in number as the final and inevitable cut was expected, and after the show the rival groups were made up of
career students who declined to remain candidates for membership.

Mr. Nye's voice is a basso, and hisitone is almost recognized as his regular asset. His influence in the club is extensive, and his best qualities are his sympathy and enthusiasm. Furthermore, his home is a musical one, and the committee has some stunts by class-

membens, which they are not ready to dis-

spose.

Tickets for the dinner are for as many

BIOLOGICAL DISCUSSIONS

The Biological Society is to hold a dinner on November 9th, when the al-


dinners. The dinner is to be preceded by the reading of the society, when some

regular business will be transacted.

Professor Bodigwicz, of the Biological Department, and Professor Porter, of the Department of Botany will

attend the dinner, and the next evening. It is hoped that Mr. Blanchet, of the Department of Botany, will be present, and desire to part


tickets immediately.

"Do you catch cold without your

case?—T. P. R."


divisions of the club, this year Mr. Nye,

The fellow who gets up in the Union, and not a member, is paid a butter half of every few minutes ought
to get a job as a waiter. He makes

"The Three Romeos"

"The Three Romeos"

Yale, is doing well. He has been

"Butch" and Vail are ex-

ceqcal quarterbacks, in the absence of Mitchell, who has been out with an

injured rib, Williams has shown

The committee in charge announces not only a dinner but also an inter-

esting program of speeches and a

a Tascadian dinner was held at the
close of the elections, but this year it

was omitted.

the committee charges are not only a dinner but also interesting division

and a Tarasacian dinner was held at the
close of the elections, but this year it

was omitted.

the committee charges are not only a dinner but also interesting division

school, so we'll leave that till

then, but their performance—Yes!

Those Chicago "Philies" here who

"Yes, of course, you will

hear "Philies" during Tech Night."

The musical effects are brilliant, and the stage, set as it is with flowers, handkerchiefs, "chats" is one of the best musical numbers ever heard, all the best of shows for "Tech Night."

GLEE CLUB MEMBERS

The Glee Club is a little ahead of the Mandolin and Guitar Club, in number as the final and inevitable cut was

expected, and after the show the rival groups were made up of career students who declined to remain candidates for membership.

Mr. Nye's voice is a basso, and hisitone is almost recognized as his regular asset. His influence in the club is extensive, and his best qualities are his sympathy and enthusiasm. Furthermore, his home is a musical one, and the committee has some stunts by class-

membens, which they are not ready to dis-

spose.

Tickets for the dinner are for as many

BIOLOGICAL DISCUSSIONS

The Biological Society is to hold a dinner on November 9th, when the al-


dinners. The dinner is to be preceded by the reading of the society, when some

regular business will be transacted.

Professor Bodigwicz, of the Biological Department, and Professor Porter, of the Department of Botany will

attend the dinner, and the next evening. It is hoped that Mr. Blanchet, of the Department of Botany, will be present, and desire to part


tickets immediately.

"Do you catch cold without your

case?—T. P. R."
THE TECH
Published daily, except Sunday, during the academic year by the Massachusetts Institute of Technology
Entered as second-class matter, Sept. 15, 1910, at the post office at Boston, Mass., under the act of Congress of March 3, 1879.
Managing Editor
H. W. Hall, Jr., '12, General Manager
K. W. Towe, '12, Editor-in-Chief
C. A. Cary, '11, Advertising Editor
A. H. Waith, '14, News Editor
A. J. Pastine, '14, Sports Editor
W. B. Leblanc, '13, Association Editor
G. Whitman, '13, In Charge of Student Union
News Board
A. J. Pastine, '13, Secretary

The teams started on their last practice yesterday in preparation for tomorrow's Field Day. The men on both teams are in good condition and before Friday will reach the top notch. 1910 had a mauler on hand who took all the kick out after the men through. The Sophomores will probably get their rubber in a day or two. The work yesterday consisted most in flag passing practice, sprinting and a jog at the end. 200-yd. dashes were run to decide the makeup of the teams. In doubles the backs were well bunched, while the Sophomores were scattered at the signal and then charged hard and together as a unit, demonstrating their power. Coach Kanny wants every man on both squads to report as soon as possible each day this week. He emphasizes the fact that each team must practice together as the line, and as much as the track men can, will put on the finishing touches.

BROWN BEAR STOPPED SHOR'T BY HARVARD

Game in Stadium Saturday
Shoed Great Improvement on Crimson.

Before twenty-five thousand people, in record-breaking crowd for this game, in the Stadium on Saturday, Harvard defeated Brown in a game that showed decisively that the Crimson was the master of the day. Upsetting all calculations and showing a most remarkable form over the work against Amherst, Captain Fisher's men went into the game, and in five minutes had easily demonstrated their power.

Brown, although having the best team last year, did not have the strength either of offense or defense to cope with the best of the Crimson's team. Sprackling played a hard game, fighting for every inch and every goal, but his line could not stop the attack, nor could they keep out their opponents running game which is decided will put on the finishing touches.

STONE & WEBSTER

Management Association
GENERAL MANAGERS OF PUB LIC SERVICE CORPORATION

STONE & WEBSTER

In charge of Wednesday issue

Association
H. B. Barrett, '14
R. A. Taylor, '14
R. H. Goddard, '12,

Technical House Committee have at their disposal a complete file of Techniques, for the keeping of which there is in the large room of the Union a bookcase. These Techniques have rested peacefully in the Cage for the past two years, and their appearance surely cannot be improved by keeping them there. If the key is lost why not send a few cants and time save a set of books which it would be impossible to duplicate? If it is pure negligence, would it not be a good plan for the one in charge of the books to get busy and do something?

Another thing the House Committee might add to the equipment which would add both the appearance of the Union and the users thereof is a brace up. The Scolls are getting the pass fairly well, and as soon as the line was a very great feature of the inm-

Page 3:

The work yesterday consisted most in flag passing practice, sprinting and a jog at the end. 200-yd. dashes were run to decide the makeup of the teams. In doubles the backs were well bunched, while the Sophomores were scattered at the signal and then charged hard and together as a unit, demonstrating their power. Coach Kanny wants every man on both squads to report as soon as possible each day this week. He emphasizes the fact that each team must practice together as the line, and as much as the track men can, will put on the finishing touches.

BROWN BEAR STOPPED SHOR'T BY HARVARD

Game in Stadium Saturday
Shoed Great Improvement on Crimson.

Before twenty-five thousand people, in record-breaking crowd for this game, in the Stadium on Saturday, Harvard defeated Brown in a game that showed decisively that the Crimson was the master of the day. Upsetting all calculations and showing a most remarkable form over the work against Amherst, Captain Fisher's men went into the game, and in five minutes had easily demonstrated their power.

Brown, although having the best team last year, did not have the strength either of offense or defense to cope with the best of the Crimson's team. Sprackling played a hard game, fighting for every inch and every goal, but his line could not stop the attack, nor could they keep out their opponents running game which is decided will put on the finishing touches.

STONE & WEBSTER

Management Association
GENERAL MANAGERS OF PUB LIC SERVICE CORPORATION

STONE & WEBSTER

In charge of Wednesday issue

Association
H. B. Barrett, '14
R. A. Taylor, '14
R. H. Goddard, '12,

Technical House Committee have at their disposal a complete file of Techniques, for the keeping of which there is in the large room of the Union a bookcase. These Techniques have rested peacefully in the Cage for the past two years, and their appearance surely cannot be improved by keeping them there. If the key is lost why not send a few cants and time save a set of books which it would be impossible to duplicate? If it is pure negligence, would it not be a good plan for the one in charge of the books to get busy and do something?

Another thing the House Committee might add to the equipment which would add both the appearance of the Union and the users thereof is a brace up. The Scolls are getting the pass fairly well, and as soon as the line was a very great feature of the inm-

Page 3:

The work yesterday consisted most in flag passing practice, sprinting and a jog at the end. 200-yd. dashes were run to decide the makeup of the teams. In doubles the backs were well bunched, while the Sophomores were scattered at the signal and then charged hard and together as a unit, demonstrating their power. Coach Kanny wants every man on both squads to report as soon as possible each day this week. He emphasizes the fact that each team must practice together as the line, and as much as the track men can, will put on the finishing touches.

BROWN BEAR STOPPED SHOR'T BY HARVARD

Game in Stadium Saturday
Shoed Great Improvement on Crimson.

Before twenty-five thousand people, in record-breaking crowd for this game, in the Stadium on Saturday, Harvard defeated Brown in a game that showed decisively that the Crimson was the master of the day. Upsetting all calculations and showing a most remarkable form over the work against Amherst, Captain Fisher's men went into the game, and in five minutes had easily demonstrated their power.

Brown, although having the best team last year, did not have the strength either of offense or defense to cope with the best of the Crimson's team. Sprackling played a hard game, fighting for every inch and every goal, but his line could not stop the attack, nor could they keep out their opponents running game which is decided will put on the finishing touches.

STONE & WEBSTER

Management Association
GENERAL MANAGERS OF PUB LIC SERVICE CORPORATION

STONE & WEBSTER

In charge of Wednesday issue

Association
H. B. Barrett, '14
R. A. Taylor, '14
R. H. Goddard, '12,

Technical House Committee have at their disposal a complete file of Techniques, for the keeping of which there is in the large room of the Union a bookcase. These Techniques have rested peacefully in the Cage for the past two years, and their appearance surely cannot be improved by keeping them there. If the key is lost why not send a few cants and time save a set of books which it would be impossible to duplicate? If it is pure negligence, would it not be a good plan for the one in charge of the books to get busy and do something?

Another thing the House Committee might add to the equipment which would add both the appearance of the Union and the users thereof is a brace up. The Scolls are getting the pass fairly well, and as soon as the line was a very great feature of the inm-

Page 3:

The work yesterday consisted most in flag passing practice, sprinting and a jog at the end. 200-yd. dashes were run to decide the makeup of the teams. In doubles the backs were well bunched, while the Sophomores were scattered at the signal and then charged hard and together as a unit, demonstrating their power. Coach Kanny wants every man on both squads to report as soon as possible each day this week. He emphasizes the fact that each team must practice together as the line, and as much as the track men can, will put on the finishing touches.

BROWN BEAR STOPPED SHOR'T BY HARVARD

Game in Stadium Saturday
Shoed Great Improvement on Crimson.

Before twenty-five thousand people, in record-breaking crowd for this game, in the Stadium on Saturday, Harvard defeated Brown in a game that showed decisively that the Crimson was the master of the day. Upsetting all calculations and showing a most remarkable form over the work against Amherst, Captain Fisher's men went into the game, and in five minutes had easily demonstrated their power.

Brown, although having the best team last year, did not have the strength either of offense or defense to cope with the best of the Crimson's team. Sprackling played a hard game, fighting for every inch and every goal, but his line could not stop the attack, nor could they keep out their opponents running game which is decided will put on the finishing touches.

STONE & WEBSTER

Management Association
GENERAL MANAGERS OF PUB LIC SERVICE CORPORATION

STONE & WEBSTER

In charge of Wednesday issue

Association
H. B. Barrett, '14
R. A. Taylor, '14
R. H. Goddard, '12,

Technical House Committee have at their disposal a complete file of Techniques, for the keeping of which there is in the large room of the Union a bookcase. These Techniques have rested peacefully in the Cage for the past two years, and their appearance surely cannot be improved by keeping them there. If the key is lost why not send a few cants and time save a set of books which it would be impossible to duplicate? If it is pure negligence, would it not be a good plan for the one in charge of the books to get busy and do something?

Another thing the House Committee might add to the equipment which would add both the appearance of the Union and the users thereof is a brace up. The Scolls are getting the pass fairly well, and as soon as the line was a very great feature of the inm-
FRESHMAN FOOTBALL
Men Ready for Fray

Team Strong on Offense and Has Good Kickers—Squad Is Rather Heavy.

The Freshmen are pushing for the final touches to the working of their already well-developed football team. Their line is fairly heavy, averaging about 165 pounds, and is well suited for the close game which they may play almost exclusively. The Sophomore, in general, the same kind of a game, so there is sure to be a close game next Friday.

The team has almost enough backs to make an eleven. Of those, Smith,елов, Mudge, and Hawco are the most promising. Others, who have not been with the squad for the last few weeks, are out again, and will be a valuable addition to the backfield. Lee is playing a star game at tackle, while Mcldvitt and Americk are doing some fine kicking. Howsell and Stewart are taking care of everything that comes around the ends.

Tossed as a whole, the 1915 team compares favorably with the Sophos. The Freshmen are stronger on the offensive than on the defensive, and it's likely they will have their disadvantage, as the Sophonumbera play a strong offensive game.

AGENCIES OPEN.
T. C. A. Offers Opportunities For Employment.

The Graduate Secretary of the Christian Association has on hand a few good opportunities to earn money for fellows endeavoring to pay their way through the Institute. Letters are received from time to time from firms wishing to introduce their goods, and apparently thinking that the Association is the readiest means by which they can obtain selling agents. The best the Association can do is to make it known as generally as possible that these opportunities are open and that all information it possesses will be gladly furnished to anyone contemplating undertaking any of this work. At present three firms offer commissions on the sale of various articles, including college and fraternity goods and a patent flexible bookplate; also Doherty Company desires agents to sell their Slide Rule Attachment for Engineers. Further particulars may be obtained by calling at the office of the Association, Room 5, Eng. School.

The Association has on hand a bulletin board just outside the office of the Association, Room 5, Eng. School, where notices posted on the bulletin board will inform students of opportuniites for fellows endeavoring to pay their way through the Institute.

Desirable Shoes for Students

CANN'S
Sea Food
Broiled Lisa Lobsters
a Specialty

COES & STODDER
Desirable Shoes for Students

Coes & Stodder
Desirable Shoes for Students
10 TO 14 SCHOOL ST.

You'll Need that
HEAVY OVERCOAT
For the Football Game
Order Now and Don't Be Disappointed

TWENTY-FIVE DOLLARS UPWARD,

BURKE & CO., Inc., TAILORS
18 School Street, Boston
7 Main Street, Andover
543 Washington Street, Boston
Hanover, N. H.
1246 Massachusetts Avenue, Cambridge
PLYMOUTH THEATRE

TEL. 1300 5th Ave.

ELIOT ST. NEAR TREMONT

Oldsmobiles and Materials

I.
The Right of Way

Down Town 'II'lAMATIC

Plymouth

Author

With JANE COWI

SHUBERT THEATRE

Tel. 1910, Beacon St.

THE BLUE NEW THEATRE PRODUCTION

MAJESTIC THEATRE

Tel. 447-5 M.

THE GAMBLERS

BY CHARLES KLEN.

Author of "The Music Man" and "The Lion and the Mouse.

WFB JAME COWI and GODRA CUPPER

Castle SQ.

Daily 2 and 8

Tel. Tremont 5

Mr. John Craig Announces

The Right of Way

Prices 5c, 10c, 15c, 25c.

Drawn Town Yerlet Office--15 Winter Street

All Goods Required by

Students at

Maclachlan's

502 BOYLSTON STREET

Drawing instruments and Materials, 

Fountain Pens Text-Books

OLD COLONY TRUST COMPANY

Capital and Surplus, $12,500,000,00

Main Office, Court Street

Branch Office, Temple Place

SAFE DEPOSIT VAULTS AT BOTH OFFICES

THE TECH, BOSTON, MASS., OCTOBER 31, 1911

COLLINS & FAIRBANKS CO.

YOUNG MEN'S HATS

RAIN COATS

AUTO COATS

333 Washington Street, Boston

CATALOG 45 MAILED UPON REQUEST

Classified Advertisements and Notices

HERRICK, COPELY SQUARE

Choice Seats for all Theatres

Phone D. B. 2345

Rev Number Connecting Five Phones

2305

Large sale of Surveying Instruments by a widow of a Tech man. A new Girty Transit, V. J. Young Level, 4 Steel tapes in good order, and 2 Chronometers (Atwood & Starrett) are in the lot. Information may be had by leaving name at Tech Office for L. H. Lehmaner, Adv. Man, or writing to John H. Hughes, Tidbiton, Pa.

LOST.

Bunch of keys at Tech Entrance. Small Yale, No. 11, 64. Presto light and several others. V. R. Wardwell, Cape.

Do you patronize our advertisers?

GENTLEMEN—I call to your attention that I will pay more for cast-off clothing than any one in the city of business. A trial will convince you. Send postal to Max Koerner, 3 Bow Street, or telephone Cambridge, Mass., 302.

There is room for several more men in the News Department of THE TECH.

FOUND-A raincoat. Owner may have the same by applying at the office.

LOST—A bunch of keys at Tech Flhall. Reward for return to Cage. October 21, 1911.

By vote of the Faculty the exercises of the Institute will be suspended on Friday, November 3rd, after 12 o'clock, for Fall Field Day.

A. L. MERRILL, Secretary.

LOST YOUR RAINCOAT?

The Institute has a number of valuable raincoats in its office that he would like to have claimed. (By the owners of course.) Will the men to whom they belong be kind enough to come around after their belongings and find some other place to store them?

BROWN-HARVARD GAME

Continued from page 2

It is to show came out to the second quarter, when, with the ball two yards from the goal line, Sprackling threw a clear pass to Asbaugh right on the line. Then on the next play he repeated the same. On the other side of the line, netting forty-five yards on the two plays, the playmen saw in the Stadium this year. Harvard tried the pass four times but never with the success shown by the fowmen. They could not bring a pass to the sohnet, the throwers failed to bring a gain through the thrown tackles.

Richards School of Dancing

110 WASHINGTON AVE. RICHARD'S HALL

Lessons by Appointment Only

Receptions Friday Evening

Tel. 4475—M. B. B.

A. G. MORSE, Tailor

Owing to an open fall I will make all my $40.00 and $45.00 suits at $38.00 for thirty days.

15 BOYLSTON STREET, BOSTON, MASS.

Rooms 14 and 15

Telephone, Oxford 109

BACK BAY BRANCH

State Street Trust Co.

130 MASSACHUSETTS AVENUE, BOSTON

Safe Deposit Vaults

Credits interest monthly on accounts of $300 and over

MAIN OFFICE: 38 STATE STREET