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I deal: of interest on the part of a number

A. W. Mudge, 1914... S. M. Ginsburg 1914

A. T. Gibson, 1913 ..... Circulation Mgr.

S. E. Bates, 1911 ...... General Manager.

Mass., 29, 1910,

be exceeded by only one building in the

be 750 feet high or about 50 feet higher

come out for

technation only. Special Rates to

with ideas who is too lazy to

enthusiasm of a baseball fan, and to these

who are working for the paper with all the

however, the active interest of more men

of Institute men.

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Subscriptions $2.00 per year in ad-

Single copies 2 cents.

Subscriptions within the Boston Postal

District and outside of the United States

must be accompanied by postage at the rate of one cent a copy.

Printed by Macqua Printing Co.,

Wellesley, Mass.

WEDNESDAY MARCH 22, 1911

The Tech Boosters' Dinner at the Union

last night was spirited and showed a great deal of interest on the part of a number of

Institute men. The Tech still wants, however, the active interest of more men

with constructive suggestions, and a little

push to make their share of the paper a

success. There are at present a few men

who are working on the paper with all the

enthusiasm of a baseball fan, and to these

men, it is irritating rather than inspiring

thought of it. There are still over forty

others damming up and down as if it to

keep warm. What such a case; and many passers-by have wondered

what was going on, but few probably

have guessed rightly. The men jumping

up and down were the cold footed, and

those starting upwards the indomitable

members of Professor Hoosmer's classes

in Astronomy, a third year subject taken

by Course I students.

The students have been out, in groups of ten or twenty

facing the direction and the time:

the directions by means of a North and

South line located by an observation on

Polaris (the Pole Star) and its western

elongation, and the time by means of

observations or various stars to determine

the time at which they crossed the

North and South Lines. Grave errors in the

watches of many of the would be astron-

omers have thus been discovered.

Besides many men will excuse recent cuts on

the ground of these watch errors.

One man's watch disagreed with the com-

puted time by twelve hours.

PROF. SHIMER TO LECTURE

ON GEOLOGY OF EUROPE

Prof. H. W. Shimer, of the geological

department, is preparing to deliver a

course of lectures next year on the geology of

Europe. During the summer of

we traverse the continent from Naples to

Norway with a run into France and across to

Great Britain to complete the material

for this course.

The glove store that car-

ries a good line of

FOWNES

GLOVES

is to be depended on.

CLASS DAY COMM. POLLS

CLOSE AT 4:00 TODAY

Over Forty Ballots not yet Called for at the Cage

Seniors, today is your last chance
to vote in the Class Day Committee election, as DO IT NOW, while you are thinking of it. There are still over forty

others damming up and down as if it to

keep warm. What such a case; and many passers-by have wondered

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The glove store that car-

riers a good line of

FOWNES

GLOVES

is to be depended on.
Theodore Metcalf Co. 1837 Apothecaries 1911

Prescriptions our Specialty

Try our Aquine Soap.

Violet, jolly for roughness of skin

Alkaline and Antiseptic Spray

as mouth wash

Soda, Cigars, Candy, Toilet Requisites

535 Boylston Street

A homely, first-class hotel

founded at New England

conditions, dating from

Gen. Warren, yet

nurthforked

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comfort &

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Long distance

hot and cold

water in every

room. Keep con-

stantly clean by our

vacuum plant. Rooms

$1.00 a day and up.

The Girls Are Fond Of These

Tech Emblems

Greatest Variety

Lowest Prices

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8 School Street BOSTON

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in Patronizing our Advertisers Please Mention The Tech

THE TECH, BOSTON, MASS., MARCH 22, 1911

Continued from Page 1

AUTogeneous WELDING...

The equipment consists of a cylinder of
dissolved acetylene and a cylinder of
oxygen, the necessary reducing valves,
rose connections to the torch, the torch
itself and the tip wherein the mixture
is produced, and at the end of which the
flame burns. The acetylene cylinder
being used for portable work, whereas
the Davis High Pressure Generator is
used for stationary work, the Acetylene
in being produced from calcium carbide.
A peculiar feature is that it is possible
to obtain the material from which a
flame 5000 degrees of temperature is
burnt, and that the material is merely
common brass. The flame does not
actually touch the brass, it being projected
in an intesinatal distance away from
the pressure of the gases, and that small
amount of heat is reduced back into
the tip and carried off by the cool
gasses passing through.

It is possible to save not only consider-
able on the value of the part, but also
large sums of money, due to the reduction
in time required to obtain a new part,
which is often of very much more im-
portance than the saving of the part itself,
the saving to be made by this means, is
well illustrated by the welding of a broken
automobile frame as compared with
other methods of repair. An automobile
frame can be welded in a few hours at
approximately small cost, but other
methods are necessary if it is necessary to strip down the
air, and either replace the member with
a new one or put in a “halolette”. It
is then necessary to reassemble the car,
to test it out with the possibility that adjust-
ments have been disturbed which materi-
eally affect the correct running of the car,
and it can be seen that in the case of a
commercial vehicle, that the time thus
expended is a very serious loss in addition
to the extra cost of carrying out the work.

The process being extensively used
by street railway companies for the repair
of broken motor cases and also for filling
in the concave joints of the tracks pro-
duced by the hammer of the wheels at
the joints.

We have welded in teeth of a gear
twenty-two inches in diameter, fifteen inches in diameter,
weighting these teeth, six and a half inch
and fifteen feet in diameter, weigh-
in the concave joints.

Another extensive use for this process
is in cutting steel and wrought iron by
a jet of oxygen. It is not possible to cut
iron by this means, owing to the free
combustion of the metal in twenty days.
There were over a thousand tons of twisted metal
which the contractors undertook to remove
in thirty days, and owing to labor con-
straints they could not get sufficient men
to remove the parts by ordinary means
inside of six weeks, and they were under a penalty of three hundred dollars a
day over the thirty days, so they pur-
chased a Davis Bournoville “High Pres-
sure Positive Mixture” Cutting Equip-
ment and with eighteen men, removed
this metal in twenty days.

The heat from the oxygenacetylene flame
can be used for a number of purposes,
other than welding and cutting, such as
making short heats either to straighten
bars or to bend them. It can also be
used for heating or heating a spot of
metal which is on aAuthorize with a jet of oxygen. It is not possible to cut
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THE TECH. BOSTON, MASS., MARCH 22, 1911

MAJESTIC

Readings at 3:30 and 8:30
Rida Johnson Young's Screaming Fante
Comedy

YOUNG MEN'S HATS for every occasion.
Collins & Fairbanks Co.
383 Washington St.

NOTICES AND CLASSIFIED ADS.

THIRD YEAR
CHIPPING AND FILING

FORGING
Exercise in Forging for Course II, Sections 2 and 3, and in Chipping and Filing for Section I, will begin on Friday, March 24th.

Exercise in Chipping and Filing for Course XIII will begin on Thursday, March 31st.

Walter Humphreys, Registrar.

DRESS CLOTHES A SPECIALTY
124 Tremont St., Boylston St., Boston.

THE NIGGER

Castle Sq.  Daily 2 and 8

Mr. John Craig announces
For the First Time in Any Stage—The New Prize Play

END OF THE BRIDGE

FOR SMART CLOTHES at popular prices

C. A. PATTEN & Co. Merchant Tailors
43 Tremont Street, Carney Bldg.

J. C. LITTLEFIELD

Smart and effective tailors the latest textures and the most fashionable suits. Prices that are right.

[ INSERT DRAWING CLOTHES A SPECIALTY Beacon Street, Boston ]

Tech athletes can get reduced rates at Major Clark's Summer Camp, Orr's Island Maine. All kinds of land and water sports. Write for particulars.

Major Clark's Summer Camp, Orr's Island Maine. All kinds of land and water sports. Write for particulars.

Third Year

Standing Prize Play by Florence Lincoln, THE

Music at The Union

EVERY EVENING

A FOUR PIECE ORCHESTRA

WILL PLAY EVERY

WEDNESDAY AND FRIDAY EVENINGS

6 to 7

All Goods Required by Students at

Maclachlan's

502 Boylston St.

Drawing Instruments and Materials, etc.

Kodaks & Supplies

Fresh Films Always in Stock

SOLATIO M. TAYLOR

$6 Brannfield St., Boston

Preston's Coffee House

Open All Night.

355 Boylston St. (Opp. Coppely Sq.)

MR. A. J. SHEAFE

MASTER OF DANCING

SHEAFE'S HALL

30 Huntington Avenue

Music at the Union

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SHEAFE'S HALL

30 Huntington Avenue

Private Lessons Daily by Appointment

SCHOLARSHIPS

March 20, 1911.

Each applicant for a scholarship (except a Safe scholarship) for the ensuing year, should hand in his application blank at the Registrar's Office, and leave his name before April 4th. A special card enclosed in an envelope, at the Registrar's Office. (Blanks and cards may be obtained at the Registrar's Office.)

Applications dated since January 1st need not be duplicated but the applicant should notify Professor Dewey in writing if he desires to apply for a scholarship for next year. With the name state the class, course and all free hours for consultation. Each applicant will be notified through the "Cage." The "Cage" is to be turned over to the Manager on first day of class day committee on Tuesday, March 22nd. As the balance will be turned over to The Tech soon after that date.

The Manager.

NOTICE TO ADVERTISING DEPT.

The Advertising Manager expects to meet all the men in his department at the dinner tonight. Meeting will be over by eight o'clock.

MUSICAL CLUBS

Joint rehearsal of Glee and Mandolin Clubs, Thursday, 4.10 sharp.

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