

THE TECH

VOL. XXXIV. NO. 61.

BOSTON, MASS., WEDNESDAY, NOVEMBER 18, 1914.

PRICE THREE CENTS

TAG DAY RAPIDLY APPROACHING

The spirit of TAG DAY has been caught by the students at large judging from the enthusiastic ejaculations of co-operation and support the event will be a rousing success. The committee has been swamped with offers from frosh who are willing to gracefully cut freehand and peddle TAGS for the Cause. The M. I. T. Janitors Union has unanimously resolved to cast off their dusky dusty dusters to collar refractory and unpatriotic students who feel the sudden effects of the business depression. "Stew" Colton has agreed to increase the bichloride in the fish cakes of would-be evaders. The Wheel and Axle Cop at the corner of Boylston and Clarendon has been supplied with several thousand with which to impose fines upon slothful studes who find it necessary to hold

(Continued on Page Six)

CIVIL ENGINEERS

Trip To Fort Andrew Friday—Talk Next Week.

Members of the Civil Engineering Society will make a trip to Fort Andrew Friday afternoon. The party will meet at Long Wharf at two o'clock, taking a government boat to the Fort. Lieutenant Foote will show the company over the grounds, and it is expected that there will be a dress parade in honor of the party. All members of the Society who intend to go on this trip should sign up with Thomas, Tobey or Hastie. The steamer will return to the city at 5.30.

On Friday evening, November 27th, a meeting of the Society will be held in the Union, when Rev. Dr. Powers of Gloucester will speak on "What We Owe to Germany." The Society invites all students to attend.

FRESHMAN NOMINATIONS

The list of freshman nominations published in last Monday's issue remains the same with the addition of two more candidates: William Ryan for President and A. R. Evans for Treasurer. Ballots will be mailed to the members of the class this afternoon. They are due at the Cage before Wednesday, November 25, at 2 p. m. Any who do not receive ballots by mail may procure them at the Cage after Friday noon. Those who have not paid their class dues may do so at the Cage when they turn in their votes.

ANNUAL SHOW DINNER TOMORROW EVENING

New Coach To Speak—Name of This Year's Book To Be Announced.

Preparations for the Kommerz Dinner tomorrow night are practically completed. This is the first Tech Show event of the year and those in charge declare that there is every indication that it will be a pronounced success.

The only thing that prevents Manager Lord from making the list of speakers a record one is the war in Europe. It was at first thought possible to have all the leading characters of "A Royal Johnnie" on hand,

(Continued on Page Three)

MUSICAL CLUBS GIVE YEAR'S FIRST CONCERT

Franklin Square House Recital Well Received—Hawaiian Trio Encored.

The Combined Musical Clubs gave their first concert of the season last evening in the Franklin Square House. The audience was enthusiastic over the work of the Clubs. The bit of the evening was the Hawaiian trio, composed of McDaniels, Wells and King. They were obliged to give several encores. The Glee Club Quartette and H. G. Mann, who gave some readings, were both well received numbers. The concert was followed by a dance. The program follows:

(Continued on Page Six)

SUMMER CAMP REUNION HELD LAST EVENING

Professor G. E. Russell Acts As Toastmaster—Large Number Present.

The Summer Camp Reunion took place last evening and almost all of the Camp Crowd were present. Steward Colton furnished an excellent venison dinner which was served at 6.30. A unique way of providing after dinner smokes was the placing of a corn cob filled with tobacco at each place.

Professor George E. Russell acted as toastmaster. Speeches were made by a number of those present including some of the faculty, even O. B. Pyle being called on. The faculty was represented by Dean Burton, Bursar Ford and Professors Spofford, Robbins, Breed, Hosmer and Howard.

The minstrel show which occurred last summer was acted again, much to the enjoyment of all. "Dip" McClure was received with enthusiasm when he again sang, "Just Plant a Watermelon on My Grave." "Rusty" White told a story about the lady reporter and the bear. There were also shown a number of pictures which were taken last summer at the camp.

(Continued on Page Six)

STUDENTS CONVOCATION

May Be Held Tomorrow In Huntington Hall.

President Maclaurin is taking advantage of the presence in Boston of Mr. Henry M. Waite, '90, city manager of Dayton, Ohio, to arrange if possible for a students' convocation in Huntington Hall. Mr. Waite is headed for Boston to address the

(Continued on Page Three)

CALENDAR

Wednesday, November 18, 1914.

11.00 A. M.—First Edition of December Monthly Out.

4.00 P. M.—Chess Club Meeting. Room A. Union.

4.00—Swimming Team. Boston Y. M. C. A.

5.00—Fencing Meeting. Union.

5.00—Civil Engineering. Chipman Hall, Tremont Temple.

5.00—Gym Team Practice. Gym.

8.00—Organization of Machine Gun Company. Cambridge Armory.

Thursday, November 19, 1914.

1.15—Hockey Team Meeting. 22 Rogers.

1.30—T. C. A. Talk. Union.

5.00—Gym Team Practice. Gym.

6.30—Kommerz Dinner. Union.

7.00—Mechanical Engineering Society. Rooms A and B, Union.



PARKINSON AND HILLER AS SIMPSON AND THE PRINCESS ELAINE IN "A ROYAL JOHNNIE."

T. C. A. TALK

The next T. C. A. talk will be given in the Union tomorrow at one-thirty by the Rev. Paul Revere Frothingham of the Arlington Street church. The subject will be "The Object of Education."

GYM TEAM PRACTICE

Today and tomorrow the Gym Team will meet in the gymnasium at five o'clock for practice.

BUSINESS EXPERIENCE

Men who wish to obtain business experience may consult the Advertising Manager of The Tech in the upper office any day between five and six o'clock. The advertising department at present consists of only three men and the Advertising Manager. Besides offering the opportunity of gaining a position on its business staff, The Tech pays a commission on all new ads obtained.

KOMMER'S DINNER--TOMORROW NIGHT--6.30

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.

Published tri-weekly during the college year by students of the Massachusetts Institute of Technology.

MANAGING BOARD

A. H. Waitt, '15.....General Manager
E. A. Weaver, '15.....Editor-in-Chief
S. Keith, '16.....Advertising Manager
W. T. Knieszner, '16.....Circulation Man.
H. P. Claussen, '16.....Treasurer

NEWS BOARD

G. W. Wyman, '16.....Assignment Editor
J. M. DeBell, '17.....Institute Editor
B. N. Stimets, '16.....Assistant
E. F. Hewins, '16.....Societies Editor
J. G. Fairfield, '16.....Assistant
H. P. Gray, '16.....Athletic Editor
G. H. Stebbins, '17.....Assistant
H. E. Lobdell, '17.....Exchange Editor

NEWS STAFF

W. F. Johnson, '17 H. S. McQuaid, '17
A. E. Keating, '17

BUSINESS BOARD

R. J. Cook, '17 F. S. Conaty, '17
B. F. Dodge, '17

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

OFFICE HOURS

(Daily except Saturday)
General Manager5.30 to 6.00 P. M.
Managing Editor6.30 to 7.30 P. M.
Advertising Manager.....5.00 to 5.30 P. M.
Treasurer5.00 to 6.00 P. M.

Subscriptions, \$1.50 per year, in advance. Single copies, 3 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.

WEDNESDAY, NOVEMBER 18, 1914.

IN CHARGE OF THIS ISSUE.

Editor: H. E. Lobdell, '17.
Associate: J. G. Fairfield, '16.
Assistants: A. E. Keating, '17; F. A. Stearns, '17; A. D. Nute, '17; R. E. McDonald, '17; K. M. Lane, '17; J. W. Damon, '18; F. H. Wells, '18; E. P. Travis, '18.

The Kommers Dinner officially opens the year's work of one of Technology's most important activities; the one, in fact, which does the most toward supporting the athletic teams of which we are all so proud. This year, more than any heretofore, is one in which athletics are likely to lack financial backing. For this reason, if for no other, Tech Show deserves heartier support this year than it has ever received before. Let us all boost for the Show in general and for the Kommers Dinner in particular.

We have been coolly informed by a member of the freshman class that we omitted from the list published Monday the name of a nominee for class treasurer. The name is not included in the official list of the Ballot Committee, which is the final authority in such matters. Anyone having a complaint to make should, of course, submit it through the regular channels, instead of giving The Tech false information for publication.

CHAUNCY HALL CLUB

The first meeting of the Chauncy Hall Club will take place at the Union Friday at 7.30. Mr. Kurt will be there to give the talk.

ENGINEERING AND SCIENTIFIC NOTES

An automobile highway corresponding to the Lincoln highway in this country, is now being built clear across Canada from the Atlantic to the Pacific.

The main telegraph, telephone and railway signal cables in the Canal Zone are being placed in an underground conduit system stretching entirely across the isthmus and adjoining the Panama Canal and Panama Railroad. Branches will be built from the main conduit to the most important points.

Containing 101 lights and over 3000 feet of insulated copper wire, controlled by one student who operates separate switches for each signal, the new football score-board that is being prepared for the Ohio Union is more complex than is necessary for a baseball electric score-board.

Howard Bryan, who is in charge of the construction, is being assisted in the erection of the board by Louis L. Matson, a junior in the department of Electrical Engineering. It is probable that Bryan will attempt to get the board patented, as there is no other similar score-board devised that is used for recording football scores.

INDOOR SEASON OPENS

Meeting For All Men Interested Next Monday Night.

The first meeting of the Indoor Track season will be held next Monday night at five o'clock in Room 11, Eng. B. Freshmen, who have any idea of substituting track work for Gym this winter are expected by the Track Department to attend. The names of all freshmen present will be taken and these men will be excused from one hour of Gym during the week. Coach Kanaly will explain to the freshmen the advantages of replacing Gym work by taking track.

COMMUNICATION

To the Editor of The Tech,
The fact that O. C. Lorenz was nominated as a candidate for two offices was due to a misunderstanding on the part of those who nominated him and was not in any way his fault. Lorenz is running for President only. The nomination committee was not advised of this in time to prevent the publication of both nominations.

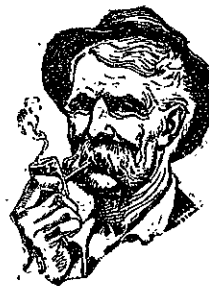
Yours respectfully,
K. REID, '18.

Y. M. C. A. FORUM

Next Sunday afternoon the Y. M. C. A. Forum will be addressed by Reverend George Hodges, D. D., Dean of the Episcopal Theological School, on "Why Should We Give Thanks?" Miss Barbara Straton, soprano, and the Association Orchestra will furnish a musical program. Technology men are welcome to attend.

Gym Team Practice. Today and tomorrow. 5 p. m.

YOU can of'en
teach a feller
a lot mo' over a
fren'ly pipe o'
VELVET than
you can from the
rostrum.



Velvet Joe

For there's man to man friendliness in the Kentucky *Burley de Luxe*, which two years' ageing mellows into VELVET, The Smoothest Smoking Tobacco. 10c tins and 5c metal-lined bags.

Liggett & Myers Tobacco Co.

College Clothes

This season we offer an unusually strong variety of Overcoats and Suits as well as formal garments, modelled and tailored to meet the requirements of the keenly critical.

Made on the premises from exclusive Imported and Domestic Woolens.

Great Coats for the Great Game

STETSON HATS

Macular Parker Company

400 WASHINGTON STREET, BOSTON.

Richards School of Dancing
30 HUNTINGTON AVE.
Huntington Chambers
Classes Mon., Wed., and Fri.
Class and Orchestra, Sat., 8 O'clock
Private lessons by appointment
Tel. B. B. 6060

A homelike, first-class hotel,
proud of New England
traditions, dating from
Gen. Warren, yet
newly furnished
with every
comfort &
convenience

Long
distance
phone and
hot and cold
water in every
room. Kept
constantly clean by our
vacuum plant. Rooms
\$1.00 a day and up.

THE AMERICAN HOUSE
1515 THE MATHESSELLER
BOSTON

Moore's
makes the
ink behave

Starts writing
at a touch and
keeps on writing
smoothly and evenly.
Makes writing in class, "ex-
ams" or study much easier, for
you don't have to watch a Moore.
It always writes RIGHT. The
original "won't leak" pen, too.
127 styles and sizes from \$2.50.

For Sale at College
Bookstores and all
Dealers

Moore's won't leak

AMERICAN FOUNTAIN PEN CO., Mfrs.
Adams, Cushing & Foster, Selling Agents
000 Devonshire Street, Boston, Mass.

DINE AT THE
Winter Garden
HOTEL WESTMINSTER

Special attractions every evening
before and after the theatre. Con-
tinuous music. Singing.

Students'
Clothes

J. C. LITTLEFIELD

High Class Tailor

12 BEACON STREET

Evening Clothes a Specialty

FRESHMEN IN ANDOVER CROSS COUNTRY RUN

Race To Be Held This Saturday—Freshmen From Five Colleges Entered.

Saturday afternoon the freshman Cross Country Team will go to Andover to compete in the annual run over the course there. Freshmen from Harvard, Dartmouth, Penn. State and Colby have entered teams, while the varsity teams of Worcester Academy and Andover will also compete.

The course is 3 3/4 miles, for the most part level and with good footing. The only difficult place is a hill about a mile from the start. Last year Colby won the meet, but it is doubtful if she can repeat her performance this year. As for the chances of Technology winning this year, Coach Kanaly says that he is unable to give any opinion, because most of the training has been at the New Field, the condition of which is hard to compare with that of the Old. The Technology freshmen placed fifth last year, and from the time trials, they were a little faster than the team representing 1918.

The following seven men will compete for Tech: Lippert, McVicker, Campbell, Mumford, Hamilton, Bond and Greeley. The first five men to finish for each team will score, Bradley will be unable to run on account of the I. C. A. A. A. meet at New Haven, and his loss will be keenly felt by the team.

HOCKEY TEAM MEETING

Season's Schedule Includes Yale, Harvard and West Point.

There will be a meeting of all candidates for the Hockey Team in 22 Rogers at 1.15 on Thursday, when the work of the team for the coming season will be outlined. It is hoped that money may be obtained from the Athletic Association to pay for the services of a coach, in which case Mr. Ralph Whitten will probably be selected. At present games have been "closed" with Yale, West Point, Harvard, Mass. "Aggies" and Williams. Games are pending with Dartmouth, Cornell, Columbia and Springfield Training School. The management is also endeavoring to arrange a game in New York with either Princeton or the St. Nicholas Rink Team. This year, by a new ruling of the Athletic Association, it will be possible for men making the team to win their T's if a certain percent of the college games played are won.

The Arena will open soon after December first and practice will start then. The competition for Assistant Manager will likewise start at this time and will continue until about the twentieth of December.

Business Experience may be obtained. Call at the Upper Office of The Tech at five o'clock any day this week.

Advertising Candidates for The Tech, Upper Office. Five to six any day this week.

KOMMERS DINNER
(Continued from Page One)

but it was soon found that Simpson Parkinson, the leading man, had joined the English army. He is fulfilling as nearly as possible the role which he played last year. As Jack Simpson, a care free student, was suddenly called upon to face great dangers in a foreign land, so Parkinson in real life has left Technology and may see active service in Europe at any time.

Hiller, who took the part of the princess whom Simpson finally married, will be present, as will the majority of the other members of the cast. They will assist the heads of the different departments of the management in explaining the competitions which will be held later in the year, and will also probably tell of some of the good times which they have enjoyed as members of the Show.

The new coach, Mr. Samuel Hume, is expected to be one of the most interesting talkers. He has travelled extensively and has been connected with some of the leaders in the dramatic line. He is a college graduate with an A. B. and an A. M., but he is still young and still has plenty of pep.

Mr. Howard, who led the orchestra last year and who has been engaged for the coming year, may be expected to tell of some big things that are to happen in the musical line here this year. He expects to start work within a very short time after the Dinner.

Plans for the Show as a whole will be given by General Manager Lord, who was Business Manager last year. He will also announce the name of the successful author and the name of the book accepted. A number of books have been entered in the competition and the majority of them are exceptionally good. As it is considered a great honor to be the author of the Tech Show, the result is always looked forward to with much curiosity and interest.

The Business Department has made all arrangements for appeasing the appetites and the thirsts of a larger number of men than have ever yet attended a Kommers Dinner, and has provided tobacco in various forms as well. The Dinner will start at half past six. Tickets may be obtained by any student at the Cage or from the members of the Management.

CONVOCATION
(Continued from Page One)

joint meeting tonight in Tremont Temple of the Boston Society of Civil Engineers and the Boston sections of the American Society of Mechanical Engineers and the American Institute of Electrical Engineers. He is still on the "wing" at the time of going to press, so that the arrangements for the convocation have not been absolutely made, but the probable time of the convocation will be Thursday noon. Mr. Waite is the first man to tackle the problems of a large municipality in a purely business way, and is doing this irrespective of the feelings of political factions.

L. P. Hollander & Co.

Boylston Street and Park Square
Boston

MEN'S Clothing and Furnishings that combine the conservative, refined stamp of a gentleman with absolute authoritative style.



Sit down and figure it out—College allowances go farther when spent for good clothes at a moderate price.

Suits and overcoats such as ours, for example.

If they fail to give all the service you think they should—"your money back."

The smart style and the fit you see before you order.

At the Tech Office, Tech Union, all day this Friday, November 20th.

ROGERS PEET COMPANY

Young Men's Outfitters
NEW YORK CITY

THE TALBOT COMPANY

Boston Representatives
395 WASHINGTON ST.

Students' Cast-Off Clothing
and other personal effects
bought by

KEEZER

360 Columbus Avenue
Near Dartmouth St.

Highest prices paid for same.

Phone, Write or Call
Open Evenings to 9 o'clock
B. B. 6843

Stone & Webster

CHARLES A. STONE, '88
RUSSELL ROBE, '88
ELIOT WADSWORTH, '91
JOHN W. HALLOWELL
EDWIN S. WEBSTER '88
HENRY G. BRADLEE '91
DWIGHT P. ROBINSON '92

SECURITIES OF PUBLIC SERVICE CORPORATIONS

STONE & WEBSTER ENGINEERING CORPORATION
CONSTRUCTING ENGINEERS

STONE & WEBSTER MANAGEMENT ASSOCIATION

GENERAL MANAGERS OF **PUBLIC SERVICE CORPORATIONS**

147 MILK STREET, BOSTON
NEW YORK CHICAGO

HONESTLY---WHAT'S YOUR OPINION?

You know we may be biased, and perhaps stubborn—but can't help it—in our firm conviction—that Dress Garments—should above all others, any way—be especially designed and made for the individual. Studies adjectives and glowing phrases never did—don't now—and never will supply the requisites to this end.

Our \$50.00 Full Dress Suit has been accepted as the standard by the best dressed gentlemen of New England for many years.

BURKE & CO., Inc.

TAILORS

18 School Street, 843 Washington St., Boston
Harvard Square

C. F. Hovey Company

Summer, Chauncy
and Avon Streets

BOSTON
M A S S.

New Fall Furnishings For Men

Open-End and Reversible Four-in-Hands, of Bara-
thea, Rep, Crepe and Fancy Silks; a wonderful assort-
ment of colors and patterns . . . 50c upwards

Fownes' English Tan Cape	Fall Weight Merino Underwear,
Gloves, hand finished, at,	in white and natural,
per pair ----- \$1.50	\$1 per garment upwards

English Sweater Jackets, in	Negligee Shirts, made of per-
gray and heather mixtures,	cale, in white with colored
in men's and outsize. Regu-	stripes; a shirt made to sell
lar \$5.00-Sweaters \$3.50	for \$1.50, and an exception-
A Fine Sweater to Wear	al value at this price. Now
Right Now.	\$1.00

Paul Revere Trust Co.

Main Office, 50 Devonshire St.
Corner State

Branch Office, 601 Boylston St.
Copley Square

The convenience of our location at the corner of Dartmouth and Boylston Sts. should appeal to the students of Technology who are desirous of opening a check account. We are able and willing to handle their banking affairs with consideration and efficiency.

IT PAYS TO TRADE WITH OUR ADVERTISERS

COMPANY OF COLLEGE MEN TO BE FORMED

Study Of Machine Gun To Be
Taken Up With Massa-
chusetts Infantry.

This evening at eight o'clock, in the Cambridge Armory, there will be a meeting of all Technology and Harvard undergraduates interested in joining a machine gun company to be formed in connection with the Eighth Massachusetts Infantry. The Cambridge Armory is on Massachusetts Avenue, just beyond River Bank Court and the new Technology buildings.

This company will not be put through the ordinary drill routine, but will be given actual practice with the new Benet-Mercier rapid fire gun. Col. F. A. Graves and Captain F. J. Burnham will outline the plans for the organization and work of the company which is to consist of only college men. Capt. Burnham and Lieut. W. W. Austin of the Massachusetts State Regiment, who have been officially detailed to this company, and Lieut. William Renwich of the Harvard Law School will teach the technical operation of the weapon. The organization has been authorized by the War Department which has decided to add one such company to every regiment of the National Guard, and if there should be a war, these companies would play an important part.

DECEMBER MONTHLY OUT

Issue Delayed By Press Accident
—Articles Of Interest.

The December issue of the Technology Monthly and Harvard Engineering Journal will be placed on sale this noon. Owing to an accident to the presses, the entire issue had to be reprinted. The first edition will be received at eleven o'clock, and the second during the afternoon.

This issue contains articles by Harvard and Technology men. The table of contents includes "Problems of the Contractor" by L. C. Wason, '11; "Some Effects of the War on Textiles" by C. H. Clark, '21, Editor of the Textile Manufacturers' Journal; "Scenes about Copley Square" by K. H. Day, '17; "On the Lower Andes" by E. E. Sarti, '16; Field Day Pictures, by the Photographic Staff. The issue contains 56 pages, printed on dull-coated art paper.

ELECTRICAL SOCIETY

On Monday afternoon, November 23rd, the Electrical Engineering Society will visit the International Engineering Works at Framingham. This plant makes the well known Robb Fire Tube Boiler. The members of the Mechanical Engineering Society and Civil Engineering Society are invited. The Society requests that the men sign up in Lowell Corridor as soon as possible as the number in the party is limited. Further announcement as to the exact time and place of starting will be determined later.

WRIGHT

&



DITSON

Fall and Winter
Catalog Mailed
on Request

For superior articles for all athletic sports, insist upon those bearing the Wright and Ditson trade mark.

Uniforms, Sweaters, Jerseys

FOR

Football, — Basket-ball, — Hockey,
All Winter Sports.

WRIGHT & DITSON

344 Washington St., Boston Harvard Sq., Cambridge
391 Main St., Worcester Providence
New York San Francisco Chicago

HERRICK COPLEY SQUARE

Choice Seats for all Theatres
PHONE B. B. 2328
Connecting Five Telephones

C. A. LANGTON

PRESCRIPTION

OPTICIAN

Use

Screwless Eyeglass

And

Spectacle Mountings

419 BOYLSTON ST., BOSTON

See The Tech

FOR

Clothes Trade

CARL A. ZAHN

Barbering Manicuring

Chiropody

Razors, Brushes, Perfumery,

Haberdashery

THE PLAZA COPLEY PLAZA

New York Boston, Mass.

NEW GREENBRIER

White Sulphur Springs, West Virginia

THE CLOTH TOP BOOT

IS THE FEATURE OF THE SEASON



SHOES FOR MEN THAYER McNEIL COMPANY

16 West St. 47 Temple Place

Trinity Court Bowling Alleys

TECH BOWLING HEADQUARTERS
Established 1898 Opposite the Union

Two minutes' walk from all Tech Buildings. Unexcelled facilities; the most fastidious Bowler can enjoy this fascinating and healthful pastime.

Alleys reserved and screened for private parties.

Come in and enjoy a little fun and exercise between periods.

CLASS PIPES

SCHRYVER'S SEGAR STORE

44 School Street, Boston

We carry the

B. B. B., S. S. S., G. B. D.,
etc. pipes in all styles

10 PERCENT DISCOUNT TO TECH STUDENTS.

The Tech Has
Moore and Waterman

Fountain Pens

For Sale

TECH UNION BARBER SHOP

Located at the

Hotel Westminster

Handy to the Institute. Up-to-date, fashionable hair cutting by skillful barbers. The best hygienic and most perfectly ventilated shop in the Back Bay. Hoping you will convince yourself by giving us a trial we are,

Yours very truly,

THE TECH UNION BARBER SHOP.

RECORD OF PROGRESS OF THE UNITED STATES

Population Quadrupled — Social Conditions Improved.

An epitomized record of the nation's growth in area, population, and resources is contained in a pamphlet just issued by the Department of Commerce through its Bureau of Foreign and Domestic Commerce, entitled "Statistical Record of the Progress of the United States, 1800-1914." In all cases where the statistical data permit, the tables cover more than a century; the later inauguration of certain lines of statistics necessarily restricts, in those cases, the period covered.

Since 1850 the population of the United States has more than quadrupled, being approximately 100 million at the present time. In the same period, however, foreign commerce has grown from 318 million to 4259 million dollars and the per capita value of exports from \$16.96 to \$23.27. National wealth has increased from 7 billion dollars in 1870 to approximately 140 billion; money in circulation, from 279 million to 3419 million; and New York bank clearings from approximately 5 billion to over 98 billion dollars, while for the entire country bank clearings have grown from 5 1/2 billion in 1887, the earliest year for which figures are available, to 174 billion in 1913.

Evidences of improved social conditions among the people are also found in the "Statistical Record." For example, 19 million children are now enrolled in public schools and about 200,000 students in colleges and other higher institutions of learning, and the total expenditures on behalf of education now approximate \$500,000,000 a year, the result being a rapid increase in general intelligence and a marked decrease in illiteracy. Over 22,000 newspapers and periodicals are disseminating information among the people, and the report shows a steady growth in the number of libraries in the country. In 1850 depositors in savings banks were 251,000 in number; today the number is 11 million with deposits, exclusive of those in other savings institutions, aggregating four and three-quarter billion dollars, or more than 100 times as much as at the middle of the last century.

The number of miles of railway in operation increased from 9021 in 1859 to 258,033 in 1912. In the last quarter-century the number of passengers carried has increased from 492 million to 1004 million, and the volume of freight handled from 632 million to 1845 million short tons. Nearly 20 billion pieces of outgoing mail matter are handled annually by the Post Office Department, which disbursed in this important public service last year 262 million dollars, or \$2.70 per capita.

FENCING MEETING

An effort to revive the formerly popular sport of fencing a meeting will be held this afternoon at five o'clock in the Union. The possibility of making fencing a Varsity sport will be considered.

COSMOPOLITAN CLUB

To Hold A Dance At Hotel Tulleries Friday Evening.

Rev. J. W. Van Kirk gave a very interesting talk to the Cosmopolitan Club last Monday afternoon. He traced the Cosmopolitan Movement from its very start up to the present day and ended by reviewing the present situation in that connection. He also presented a flag that he has devised for a unified humanity; this flag is based on scientific facts and received great commendation from the last Peace Conference at The Hague.

The Cosmopolitan Club Dance will take place at the Hotel Tulleries on Friday evening at eight o'clock. The committee hopes that this year's dance will prove as successful as those of past years. Tickets are now on sale at \$2.50 a couple, and may be obtained from any member of the Committee in charge or from any officer of the Club.

CHEMICAL SOCIETY

Charles Almy, Jr., To Talk On Vulcanized Rubber.

The Chemical Society will meet next Friday night at 7.45 in 31 Engineering A. The talk, which will be given by Mr. Charles Almy, Jr., chemical engineer of the American Vulcanized Fiber Company of Wilmington, Delaware, will be interesting as vulcanized fiber is every day assuming greater importance as a substitute for rubber and other plastics. Samples of vulcanized rubber will be exhibited to illustrate its properties and uses. All men taking chemical courses are invited by the Society to attend.

FOUND ARTICLES

Articles enumerated below have been found. Owners of same may obtain them at the Office of the Supt. of Bldgs. and Power, 26 Trinity Place.

- Answers to Exercises.
- First Year English.
- French Grammar.
- Essentials of German.
- Die Chemie in Taglichen Leben.
- Notebook.
- Compass.
- Pair of Gloves.
- Fountain Pen.
- Knife.
- Watch Fob.
- Pencil.
- Ring.
- Glasses and Case.

Fencing Meeting in the Union at five today.

The Latest Dances

H. E. MARSHALL HALL

Of the Chalif School, N. Y.,

PRIVATE AND CLASS
INSTRUCTION

SOIRE DANSANTS SATURDAY, 8 P. M.

Subscription \$1.00 a Couple

SALON DE DANSE

295 HUNTINGTON AVE., BOSTON.

Tel. Back Bay 3728

Opp. N. E. Conservatory of Music.

BEST PRICES

ON

DRAFTING INSTRUMENTS
PAPERS, TRACING CLOTH,
TRIANGLE, T SQUARES,
SLIDE RULES, PENCILS, etc.
-PAINTS, VARNISHES AND
HARDWARE

WADSWORTH HOWLAND & CO.

Incorporated

222 CLARENDON ST.

Also

84 WASHINGTON ST..

The Academy of Dancing

333 Massachusetts Ave., Boston.

Near Huntington Avenue.

Instruction in Modern Dancing.

Studios for Class and Private Instruction Under the Supervision of Mr. Zenas Crocker and Mlle. Laura Carter.

For private or class instruction apply by mail or telephone B. B. 4688

Why not telephone the

Union Supply Company

92 Blackstone St.

for your provisions.

Personal attention given to all orders and prompt delivery.
Phone Richmond 909.

High Grade Anthracite Coal

for Domestic Uses.

Our Crozer-Pocahontas Bituminous supplied to the Institute.

CHARLES W. YORK CO.,

50 Congress St., Boston.

St. James Dining Room

92 St. James Ave.

Full Course Table D'Hotel Lunch25

Served from 11.30 to 2.30

Breakfast, served from 7-925

Dinner, served from 5-735

21 MEAL TICKET \$4.50.

PATRONIZE
TECH ADVERTISERS

The Original
TECH BARBER SHOP
 At 22 Huntington Ave.
 OVER HAYES' DAIRY LUNCH



Tech Union Dining Room

42 TRINITY PLACE

Run on a Co-operative Basis for
 Benefit of Students.

Buy a Book of Coupons and Save
 10%

TAG DAY

(Continued from Page One)

up the traffic in their haste to scoot
 in before the nine o'clock.

Even the Psychic Department has
 got the straight dope. "Chollie" Cross
 has put Mr. Taylor and Mr. Benson
 at the door of 22 to spot 'em. Furth-
 ermore the lock WILL NOT BE
 TURNED UNTIL SIX MINUTES
 AFTER THE HOUR.

But to talk about the tag itself, it
 is going to have your numerals on it
 and thus the committee can tell
 which class is the most patriotic.
 From Doc Dewey's dope it looks as
 if the Junior Class had the most
 money to throw but perhaps the oth-
 er classes just don't believe in letting
 this get out.

ALL GOODS REQUIRED BY
 STUDENTS AT
Maclachlans
 502 BOYLSTON STREET

Drawing Instruments and Ma-
 terials, Fountain Pens, Text
 Books

Students' Laundry Work

I am prepared to do plain laundry
 work at a reasonable price. I will call
 for and deliver the work at the cage.
 Apply to

R. A. GREENE

The Cage, Tech Union

MR. FRANK E. MORSE

TEACHER OF SINGING AND COACH

162 BOYLSTON ST.

STEINERT HALL BOSTON

Young Mens Hats
for Every Occasion

COLLINS & FAIRBANKS COMPANY
 383 WASHINGTON STREET - BOSTON

With three offices, conveniently located
 in different sections of Boston, the
 Old Colony Trust Company offers exceptional
 banking facilities for Technology men.
 Modern safe deposit vaults at all offices.



SATISFACTION AND REAL ECONOMY

ARE THE RESULTS OBTAINED IN BUYING THE
 BEST OF MEATS AND PROVISIONS
 YOU CAN ALWAYS GET THAT KIND OF

WESTON-THURSTON COMPANY

Stalls 20, 22, 24, New Faneuil Hall Market
 BOSTON, MASS.

Richmond, 540

—TEL.—

Richmond, 521

DON'T FORGET THE ADDRESS

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

COPLEY SQUARE PHARMACY

E. G. BOSSOM, PROP.

HUNTINGTON AVE. BOSTON

Established in Cambridge in 1895

L. PINKOS

College Tailor

338 WASHINGTON ST.,
 BOSTON, MASS.

HARVARD SQUARE
 CAMB., MASS.

I invite your inspection of my new line of FOREIGN SUIT-
 ING and COATINGS which is the largest assortment shown in
 this city for young men at prices which will fascinate you.

The best dressed men in Tech for the past fifteen years have
 been my customers, why not you?

A SPECIAL DISCOUNT OF TEN PERCENT TO ALL
 TECH MEN.

L. PINKOS, Tailor

ARROW TANGO SHIRTS

are an evening dress
 necessity.

The bosoms are
 tucked, puffed, plea-
 ted or "mushroom."

\$2.00 and up

Cluett, Peabody & Co., Inc. Makers

Students' Bags

LARGE ASSORTMENT

BEST QUALITY

PRICES REASONABLE

E. F. MAHADY COMPANY

OPTICAL & PHOTOGRAPHIC
 SUPPLIES.

671 Boylston Street.

Opp. Public Library.

MUSICAL CLUBS

(Continued from Page One)

- Glee Club, The Kavanaugh
- Mandolin, Norwegian Slumber Song
- Reading, H. G. Mann
- Glee Club Quartette, The Shoogy Shoo
- Banjo Club, The Sporty Maid
- Glee Club, a In Picardie
b Lullaby
- Hawaiian Trio, McDaniels, King, Wells
- Instrumental Trio, Titl's Serenade
- Mandolin Club, Popular Medley
- Glee Club, Stein Song

SUMMER CAMP

(Continued from Page One)

These helped to bring to the minds
 of those present the many interesting
 times they had enjoyed. One of the
 many interesting incidents of the eve-
 ning was the presentation to Profes-
 sor Russell of a large pipe which
 made the other pipes seem quite
 small.

The committee in charge of the af-
 fair was W. Farthing, '16; R. H.
 White, '16, and T. F. McSweeney, '16.

MISS ALICE DIAZ

Has reopened her studio at 24 New-
 bury street, Boston. Coaching in all
 the new dances a specialty. Class
 and private lessons. Tel. B. B. 7253.