CHEMICAL SOCIETY HAS
BIG REVIVAL MEETING

Over A Hundred Present Last Evening—Talks Given
On Independence Of American Industries
--Professors Give Addresses.

MAYOR TO SPEAK

Boston's Chief Executive Will
Address Catholic Club.

As announced on the bulletin
boards, the mayor of Boston will be
the speaker at the regular supper
and meeting of the Catholic Club
that evening. Mayor Curley is one
of the best orators of the country
and as a man well versed in politics
he is in a good position to tell of
the details of running the govern-
manship of a municipality such as
Boston.

As a subject of interest to the ma-
jority of students and one that His
Honor can well explain, he will
chose to speak of some of the intri-
cate details connected with the man-
agement of a municipality such as
Boston.

It is usually difficult to secure
busy public men for such events as
the meeting tonight, but Mayor Cur-
ley has assured C. A. Blodgett, the
President of the Club, that he will
be present unless something happens
to the city. In an interview last eve-
nong President Blodgett said: "To-
morrow's meeting will be one of the
most important of this year. We
have obtained a speaker who is going
to make us listen closely to every
word. I hope that every club mem-
ber will be present. It is to be un-
derstood that the meeting is open to
anyone connected with the Institute."
The supper will begin at 6 o'clock
sharp.

SOPHOMORE BASEBALL

Candidates for the second year
baseball team are to report for prac-
tice today. As announced in Mon-
day's issue of The Tech, a diamond
on one of the playgrounds of the
City of Cambridge has been obtained
for the men to work on. To reach
the grounds take any Commonwealth
avenue car and transfer or walk
across the Cottage Farm bridge and
turn a short distance past the Ford
plant along the River Road. As the
field is to be used alternately by the
Sophomores and freshmen, all second
year men must be at hand today at
4.00 sharp.

SOPHOMORE RELAY

The 1917 Relay team will hold a
meeting Friday at 1.30. All members
are requested to be present at the
Union at the appointed time.

MILITARY INSTRUCTION

Camps for Students

Prospects For A Successful Season Exceedingly
Bright.

The track squad has started its
outdoor season in earnest with a
squad of fifty men doing regular prac-
tice. Coach Komy is working the
men out at the new field and has
some good material out of which to
form a team to represent the Insti-
tute in the spring meetings. The team
has a hard schedule which includes
Holy Cross and Brown, as well as
the two intercollegiates, and the in-
terclass meet, which will probably
be held April 17.

The field events are the weakest
although the jumpers are above the
average. The weakest running event
is the 440. This is caused by the
loss of Pension by graduation and
Tom Guething through the four years'
rule. The most promising candi-
(Continued on Page Three)

WILLIAM H. WALKER
Head of Course Ten

The speakers of the evening were
Professors F. J. Moore, W. K. Lewis,
P. H. Thorp, and W. H. Walker,
head of the Chemical Engineering
Department, all of the Institute; and
Professor J. F. Norris, head of the
Chemistry Department of Simmons
College. Professor Norris was for-
merly Assistant Professor of Organic
Chemistry at Technology.

At the opening of the meeting T. F.
Spear, the President of the Chemical
Society, stated that the So-
(Continued on Page Four)

SWIMMING TEAM

A meeting of the Swimming Team
will be held in the Union at 5 p.m.
this afternoon. The following are to
report: H. D. Bevins, A. H. Bond,
W. C. Foster, R. N. Gay, H. P. Geis-
ler, W. L. Graves, J. M. Haxley, G.
S. Gould, F. Hazard, N. V. S. Mum-
ford and E. M. Newton.

The purpose of the meeting will
be to elect a captain, manager and
assistant manager for next season.

WORLD-FAMED SPEAKER

G. Sherwood Eddy, Missionary
In Asia, At Technology On
April Thirteenth.

One of the best T. C. A. talks of
the year will be held April 13 when
Mr. Sherwood Eddy of Edge large
will speak before the students. Great effort has
been spent in securing this man, who is undoubtedly the greatest Chris-
tian Association speaker in the world. He is to speak before the Boston City Club the same evening with ex-President Taft.

Mr. Eddy, for the most part, has done missionary work in Asia and has recently conferred with Yuan
Shih-Kai, president of China, at the
invitation of the president. For sev-
eral years Mr. Eddy has been giv-
ing a series of addresses at the lar-
gest educational centers of Asia, es-
pecially China. These addresses have
been given at the request of officials
who have visited recesses in the
schools in order that all pupils might
attend them. Governors, in several cases, have built at their own ex-
 pense pavilions holding from three
to five thousand persons.

In the past few years Mr. Eddy has
been invited to give a series of four
or five talks in several of the Amer-
(Continued on Page Two)

THE TECH

WEDNESDAY, MARCH 24, 1915.

VOL. XXXIV. NO. 104.

BOSTON, MASS., WEDNESDAY, MARCH 24, 1915.

PRICE THREE CENTS

(COURT TWO SOCIETY

Mr. Fairbanks, Refrigeration Ex-
pert To Give Talk.

There will be a meeting of the
Course Two Society this afternoon at
four o'clock in 11 Engineering B, at
which Mr. Fairbanks, chief engineer
of the Quincy Market Cold Storage
& Warehouse Company, will speak.

The talk will deal in general with
the practical side of refrigeration, in-
cluding a description of the design and con-
struction of the large ammonia
compressor at the Sagamut's Wharf
Station.

(Continued on Page Two)

CALENDAR

Wednesday, March 24, 1915.

16.00—M. E. Sec. Meeting, 11 Eng. B.

4.30—Rowing Club Meeting, Union.

Room A.

4.30—1915 Class Day Committee. Room B.

4.30—Swimming Team Meeting, Union.

6.00—Catholic Club Meeting, Union.

Room A.

Thursday, March 25, 1915.

1.30—T. C. A. Talk, Union.

4.00—1915 Baseball Meeting, Gym.

4.00—1917 Baseball Practice, 11 Eng. B.

2.30—1916 Class Day Committee, 16 Eng. B.

6.00—Student Council, Union.
REFRIGERATION TALK
(Continued from Page Six)

Mr. Fairbanks has been in the refrigeration business for many years.
He has made numerous improvements on machines, and has designed a 1000 ton machine in a single unit which involves many unique economic features. A fair idea of the size of the plant he represents may be gained from the fact that it supplies eight hundred separate services, using over six miles of piping. In hot weather, as much as fifty million gallons of brine are circulated daily.

Mr. Fairbank's talk will be illustrated by sixty lantern slides, and he will be glad to answer any questions with regard to refrigeration.

EDDY TO SPEAK
(Continued from Page One)

leal university. Last year he addressed the students at the University of California and at Pennsylvania State College. At the latter school about seventeen hundred students heard each of his four lectures. On February 14 of this year he was at Yale, where about one thousand were present at the meetings.

Mr. Eddy has received a great deal of publicity in the Outlook and other current magazines. His very wide experience and popularity will make him the most interesting speaker of this year's series.

Reverend G. R. Maguire will give a talk tomorrow in the Union. The subject selected is "Three Crosses." Reverend Mr. Maguire is a fellow of the Royal Geographic Society and has spent several years in Africa as a missionary and explorer. His many interesting experiences in the heart of Africa will probably find place in his talk tomorrow.

CROSS COUNTRY RACE
First And Second Year Men In Annual Competition.

The spring Cross Country race between the Sophomores and the freshmen will be held next Saturday afternoon. The Track management has secured the use of the old New England course at Franklin Park, which was also used for the Intercollegiate Meet last fall. The Refectory at the Park will provide necessary dressing quarters. Entries for this event may be made either in the book at the Union or at the Field locker building.

To make it more interesting to the undergrads who usually run over the track, the Intercourse meet will be held at the same time. Freshmen and Sophomores are to be scored in their particular course run as well as in the event of the day.

FRESHMAN BASEBALL
Last Monday only a few candidates for the 1915 baseball team showed up for practice. Tomorrow the men will meet at the gym at four and from there will go to the Columbus Avenue playgrounds in a body for practice. After practice elections for captain will be held. It is important that every man show up, as the first game comes a week from Saturday.
knowledge to be obtained and the broadening influences of intimate contact between men of different colleges and military values of the camps was described as lying in the wide dissemination of military knowledge and in the training of a number of men from whom volunteer officers could be picked in time of need. A number of officers of the regular army were assigned to the camps for instruction purposes and detachments of regular troops were ordered to attend for the same purpose. The students were to be organized into infantry companies under command of regular officers. The uniform was specified as the field service uniform of the army, with the exception of the hat cord. A special hat cord designed and furnished with the uniform. Since no Congressional appropriation was obtainable the students were required to pay their own expenses. These were made as small as possible by locating the camps near centers of population, by furnishing uniforms at low cost as possible, and by supplying rations at Quartermaster's prices. Full equipment was furnished free of charge, together with blankets, tentage and other necessaries.

The number of camps held in 1911 was two, one being at Gettysburg, Pa., the other at Monterey, Cal. The number of students was relatively small, there being 159 at Gettysburg and 63 at Monterey. When, however, the novelty of the plan is considered, the number of students shown is of true light. These men devoted a considerable part of their summer vacation in the trying out of a new scheme, their only reason for attending the camps, the only reason for attendance being an active interest in the subject. Results to say the results obtained from the first camps were very rapid. Statements made by the officers were to the effect that the men learned as much in one week as an ordinary enlisted man learns in six months. This spoke very highly for the instruction given and for the interest exhibited by the students. Probably the chief reason for the rapid advancement was the fact that the men not only had the training given enlisted men but they also had the training given to officers. Thus they obtained a better conception of the underlying principles of military science and tactics.

Instruction was given in all branches of the service, and, as far as was possible, the men were allowed to specialize in any desired branch. As soon as enough work in the various orders of drill had been done to enable simple company movements to be executed without confusion, extended order and tactical work were taken up. The combat work was graded from simple illustrative maneuvers to more complex "combats" in which the student companies were opposed against the regular troops. All these maneuvers the students here themselves very creditably and several times forced the regulars to retire.

The last two weeks of the Gettysburg camp were occupied in a march to Mount Grafton, Va., and in target exercises after arriving there. The march was divided into several stages, maneuvers being carried out over the entire distance. The rifle practice turned out very well, the number of students who had never handled a rifle before making a good pair.

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

Just About Time Enough

If you act quickly, to secure your remittance for Easter Sunday, but a few weeks ahead.

We are always fresh—we are not afraid to be honest with the public—and therefore admit that "times are hard."

Because of this fact—you have the greatest opportunity of your life, to secure your needs in our line at "way down" prices, your choice from the largest and handiest stock we ever had to show.

Get in today, and see if we can't prove it. P. S.—Ask about that $15.00 suit we can deliver.

BURKE & CO., Inc.

18 School St., Boston

Harvard Sq., Cambridge
Correct Easter Accessories

FOR MEN'S DRESS

ULTRA AND CONSERVATIVE MODES in Men's Neckwear from the hands of clever designers. During combinations as well as the more subdued tones $1.50 upwards

We specialize on correct neckwear for evening in Lawn, Dimp- ity and Silk.

SILK HALF HOSE in a variety of plain colors and black, and the silk is of extra good quality At per pair 50c upwards

GLOVES FOR STREET WEAR. Washable Chamois Gloves in Natural color with Black and Self colored embroidery At per pair $1.50

Gray Mocha Street Gloves with black embroidered backs, At per pair $1.50

Tan Cape Gloves, with full Prew seams and Spear back, At per pair $1.50

C. F. Hovey Company

Summer, Chauncy
and Avon Streets

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The PerfEct Pipe Tobacco

O.P.M. is mild, fragrant, slow burning, and

DOES NOT BITE THE TONGUE

THAT'S WHY IT'S PEFECT

It is ABSOLUTELY THE FINEST MIXTURE PRODUCED

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The New No. 5 Printype Oliver Typewriter makes an ideal machine for students' use. It is a marvel of simplicity, durability and ease of operation. Printype your notes and they will be twice as valuable to you. Easy terms if desired.

The Oliver Typewriter Company

146 Congress Street

Phone Main 192

THE TECH, BOSTON, MASS., WEDNESDAY, MARCH 24, 1915.

CHEMICAL SOCIETY

(Continued from Page One)

city proposed to hold gatherings of a similar nature throughout the term, to keep men in touch with cur- rent problems, and exert a general broadening influence.

Professor Moore, the first speaker, discussed the possibility of developing the coal tar industry in this country, under the stimulus given by the present war. He first reviewed the growth of the German industry, which is at present supreme, saying that its success was due largely to its purely scientific basis, the per- permanence of the Germans, patriotism by the government, and administration by chemists, not financiers. Professor Moore then enumerated the objections to the introduction of dyestuff in preparation, and proceeded to refute most of them. The coal tar industry, he said, is now begin- ning to realize the importance of home production, and will more and more develop such a project. Its own field, therefore, is fairly promising from the financial standpoint.

The one essential from the techno- view point, according to Professor Moore, is competent chemists; chemists for general organic research, specialists in certain operations, phys- ical chemists to study catalysts, and plant design experts. As an example of the continually changing condi- tions which demand constant atten- tion, he cited the case of artificial in- dustry. With the industry developed in a purely scientific manner, he be- lieved we might favorably compete with foreign production. Success de- pends largely on the men who are now studying in institutions like Technology.

Professor Lewis then spoke on "Moderation." He said that a cen- tury individuality was overthrown. Now the tendency is toward the oth- er extreme, and organization con- stently overshadowed the individual. He urged that the students be loyal to the organization but at the same time not to permit it to destroy their individuality. In the same manner they should treat the Chemical So- ciety with moderation, not allowing it to occupy too much of their time, but at the same time take an inter- est in it.

The next speaker, Professor Thorp, have his opinion of the probable duration of the war and its effect on the German chemical industries. He believed that since the ships had blocked Germany and had cut off supplies of all kinds, the German chemists would have to solve the problem of producing in their own country the substances that they needed. As an example he would have to find a new way of preparing nitric acid since the supply of Chile salt peter was cut off. In all prob- ability they would devise a method of preparing it from atmospheric nitro- gen.

The food supply will last for a long time because of the improved meth- ods of agriculture by which all of the soil is utilized to get the best re- sults. The only way in which the food supply would be endangered would be by invasion. Thus it would seem that Germany could do without

CREW IS NOT BEING WELL SUPPORTED

Prospects Bright For The Season

—Very Little Enthusiasm

Has Been Shown.

The enthusiastic interest in rowing, which for the last two years has run very high, seems to be lacking this year. So far the men have been cut on the water twice and practice on the machines has been very limited, but since the last two weeks, yet despite this fact, the showing made so far, as re- gardsthe number of men who have come out, he has been anything but cheerful. Although the time which the men have at their disposal is ex- cellently limited, in fact more so than in other colleges, last year saw an average, forty men out for places each day. In addition, the boathouse is not as conveniently lo- cated as could be hoped for. There is no hope of making rowing a Var- iety sport until more men come out and support the crew and insure the financial success.

Coach Stevens is giving his time gruits for the third successive season, and can hardly be expected to come around to the fellows and ap- peal to them individually. The in- terests of the crew would be to keep the number up, and focus his, efforts on the organization but at the same time place the men in their places each day. In addition, the boathouse is not as conveniently lo- cated as could be hoped for. There is no hope of making rowing a Var- iety sport until more men come out and support the crew and insure the financial success.

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MILITARY CAMP
(Continued from Page Three)

of the camps consisted in the giving of recommendations for future command and the filling of the same in the War Department. The cards filled showed in addition the exact military status of all students completing the course and their degree of efficiency. The success of the previous camps led to an increase of 300% in attendance at the 1914 camps. At Burlington there were 350 students, at Asheville 120, at Ludington 108 and at Monterey 85. This showed beyond a doubt that the values of the camps had been recognized by the college students of the country. The board of college presidents issued a statement to the effect that they heartily approved of the movement and would give it their firm support.

The National Rifle Association took cognizance of the movement by offering individual medals and team trophies. Cornell won the team trophy, with Princeton second and Stevens Tech third.

The standard of work done at the camps was higher, if possible, than that at the previous camps. The discipline was more exacting and the general layout of the work approximated service conditions more closely. At the Asheville camp, for example, where all of the commissioned and non-commissioned company officers were selected from among the students, all of the clerical work incident to the administration of a battalion was carried on. The students at that camp were organized into a battalion of two companies, with headquarters. The regular army officers on duty at the camp attended to the general supervision of the work leaving the details to be worked out by the students.

A part of the instruction at all the camps consisted of a practice march of several days duration. At the Asheville camp this consisted of a march to Hendersonville and return, a distance of 54 miles. The trip out was taken in easy stages, with maneuvers along the way. On arrival at Hendersonville the student companies and the regulars, accompanying them, participated in a parade and then went into camp for the night. The next day the return march was begun. The original intention was to make a short march and then have some maneuvers. Just after the march was started however a torrential rainstorm began. In a few minutes all of the equipment was soaking wet and it was therefore decided to continue the march directly into Asheville, rather than subject the men to the discomforts of a night under wet blankets. The march was completed in eight hours and fifty minutes, elapsed time. Of this, seven hours and five minutes was consumed in the actual marching. The remainder was used in ten minute rests each hour and in a stop for the preparation of dinner. This march established a record for raw recruits and, indeed, one of which regular troops would not be ashamed. There was not a straggler during the march and there were no injuries after effects.

(Continued on Page Six)
RIFLE CLUB ELECTS

Keating Chosen President—Dunn Captain—No Trip Friday.

At a lengthy meeting of the Rifle Club Monday noon, A. E. Keating, '17, was elected President by a narrow margin to succeed E. J. Casellman, '15. C. T. Dunn, '15, was elected Captain. Casellman has been president and captain for the past year, but the pressure of other work necessitated his resignation as an official of the Rifle Club.

Owing to the small number of men going out last week, there will be no Friday trip of the club this week.

A list of those eligible for the Saturday trip will be posted on the Union bulletin board tomorrow and those desiring to go are requested to check off their names at once. As the party is limited to fifteen men, members are requested not to sign up after that number have checked off. Members after whose check a number is placed will understand that they are to call at the South Armory Saturday before 2:30 to take out the rifle of that number. The train leaves the North Station at two o'clock.

The president requests that all members leave a note at the Cape at once indicating any preference in regard to rifle. Information as to how days of the week would suit their convenience, and whether or not Saturday can possibly fit their schedules. The president purposes to assign each man a definite rifle.

SPRING CONCERT

Judging from the large sale of tickets to the Spring Concert of the Combined Musical Clubs, the new system of selling is proving popular with the students. The saving of fifty cents is appreciated by the majority of the men. Beginning Friday, April 9th, and every noon thereafter, tickets may be exchanged at the Union for reserved seats. The preliminary dance orders will be cut by Friday of this week. The twenty preliminary dance orders will be out after, tickets may be exchanged at the Cage. Copies of the War Department bulletin can be obtained. Copies of the War Department bulletin can be obtained.

FACULTY NOTICE

The regular weekly meeting of the Class Day Committee will be held at 4:30 in R 20 instead of 11 B.

IT PAYS TO PATRONIZE

THE TECH ADVERTISERS

HERRICK COPLEY SQUARE

Choice Seats for all Theatres
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MILITARY CAMP
(Continued from Page Five)

of work accomplished by the students it may be supposed that there was no time for relaxation and good times. Such, however, was not the case. The afternoon and evenings were usually free for those who wished to go to dances or teas and occasional dances were given at the camps. At all of the places where camps were held the city authorities co-operated with the officers in securing for the students the rooms in the central and the opportunity to meet the best people of the city.

The camps proposed for the summer of 1914 are as follows, one at Plattsburg Harnells, N. Y., one at Ludington, Mich., one at Chickamaugaw, Ga., and one at Port Windell Scott, Cal. The camps at Plattsburg will have the advantage that it is to be located near one of the finest summer resorts in the country. The one at Chickamauga, Ga., will be on the ground covered by the battle of Chickamauga and will offer opportunity to study the tactical principles involved in that conflict. The city of Chattanooga, Tenn., is only a few miles from the site of this camp. Of the camp at Port Windell Scott it is only necessary to say that it will be but a stone’s throw from the San Francisco Exposition.

The work to be taken up will be substantially the same as that done at the previous camps. The dates for the camps in the eastern and central parts of the country will be July 5 to August 8 inclusive. The dates for the California camp will be from June 25 to August 1, inclusive. The expenses will be: for uniform five to ten dollars, for meals during the period of the camps seventeen dollars and a half, deposit, returnable at the end of the camp, five dollars.

In addition there will be the expenses for travelling to and from the camp, the amount of which will be dependent upon the locality in which the men live and to which they go. No limitation is placed upon the choice of camp, although from the standpoint of expense it is best to attend the camp nearest the home of the man in question.

Additional information may be obtained from the undersigned by leaving a note at the Cage. Copies of the War Department bulletin can also be furnished, as well as blank applications for attendance and information as to railroad rates and travelling arrangements.

FACULTY NOTICE

Alternating Current Machinery—There will be an examination in Alternating Current Machinery of the Fourth Year, Second Term, on Saturday afternoon, April 5th, 2 to 4 p. m., in Room 36 of the Lowell Building.

Christy Mathewson
Famous Baseball Pitcher, says:
"Tuxedo gets to me in a natural, pleasant way. It's what I call honest, honest, companionable tobacco—the kind to stick to."

Tuxedo Keeps You In Good Trim

Christy Mathewson, lovingly known as "The Old Master," is probably the greatest pitcher baseball has ever known. This wonderful athlete is noted for his clear headed common sense, his quick wits, perfect physical condition, and absolute control over his nerves. His use and endorsement of Tuxedo prove that this inspiring and healthful tobacco is helpful to mind and body.

Tuxedo
The Perfect Tobacco for Pipe and Cigarette

just sort of ooze its gentle way into your life and suddenly you realize its powers for good—because it puts peace in your mind and a happy taste in your mouth. Tuxedo's flavor is so enticingly mild and delicately fragrant it will not irritate the most sensitive throat.

All the bite and sting have been removed by the famous "Tuxedo Process." This exclusive process of refining the very best Kentucky Burley tobacco has been widely imitated, but without success.

YOU CAN BUY TUXEDO EVERYWHERE

Convenient, glassine-wrapped, moisture-proof pouch $ . . . 5c Famous green tin, with gold lettering, carved to fit pocket 10c

In Tin Hamond, 40c and 80c In Glass Hamond, 50c and 90c

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Tillman 4-8-15