

THE TECH

VOL. XXX. NO. 101

BOSTON, MASS., WEDNESDAY, MARCH 8, 1911

PRICE TWO CENTS

AUTOGENEOUS WELDING PROCESS EXPLAINED

Mr. Henry Cave, of Springfield, Mass., Gives Lecture Before Mechanicals

DEMONSTRATION GIVEN

Apparatus for Generating Oxy-Acetylene Flame Sent From Factory

Yesterday afternoon, Mr. Henry Cave, president of the Autogeneous Welding Equipment Company, of Springfield, Mass., gave a lecture and demonstration of autogeneous welding in Room 11 Engineering B, under the auspices of the M. E. Society. About one hundred and forty men were present, including members of the mining, electrical, civil and chemical engineering societies, and the faculty of these courses.

After a very interesting talk on the process of welding and cutting by the oxy-acetylene flame, illustrated by excellent lantern slides, Mr. Cave's assistant demonstrated the welding of steel and aluminum plates and the cutting of thick steel plates. The apparatus for generating the oxy-acetylene flame was sent here especially for the lecture and the workings of it were explained.

An exhibit by this company is being maintained at the Boston Auto Show where the application of welding on automobiles and aeroplanes is shown.

The lecture was one of the finest and most interesting that have been given this year and the M. E. Society is due much credit for obtaining it.

MECHANICALS TO TAKE

TRIP TO BEVERLY

Plant of the United Shoe Machinery Company To Be Visited

Friday afternoon, March 10, is the time set for the next one of those popular excursions as run by the Mechanical Engineering Society. The plant to be visited at that time is that of the United Shoe Machinery Company at Beverly, Mass.

This Company is known throughout the country as leaders in their particular line of work. Men acquainted with their works have urged the officers of the Mechanical Engineering Society to plan a visit to them, believing that such a visit would be of incalculable benefit to the students. Such a trip has now been planned for the date mentioned, officers of the Company co-operating to make it a success.

The part that will be of greatest interest to the party will be the machine shop. This modern reinforced concrete building is completely filled with the most expensive and varied line of special machinery that it is possible to secure. Everything that can be made by the use of a jig, has a jig provided for its manufacture. Some of the largest, if not the largest and most complex jigs in the country will be seen in daily use at this plant.

As has been the case on all former trips, the Department will be represented by several members of the instructing staff. The party will take an express for Beverly which leaves the North Station at 2.15. The regular fare is 40 cents each way. The men intending to go on the trip are asked to sign up on one of the lists posted. If 25 signify their intention of attending, the secretary will obtain a 50-ride ticket which will bring the expense down to 55 cents per man for the round trip. Men will meet at station at 2.00 p. m.

DINING ROOM HAS RECORD ATTENDANCE

Report For Year Shows Good Start Toward Wiping Out Deficit

COMMITTEE CHANGES

H. M. Davis To Be Chairman Of Entertainment Committee

The following reports have just been issued by the Union Committee: Dining Room

Wk. End.	Attend.	Profit	Loss
Feb. 4	2,398	\$57.89	
Feb. 11	2,633	54.48	
Feb. 18	2,737	33.82	
Feb. 25	2,185		\$2.75
March 4	2,705	62.80	

Profit for 5 weeks	\$206.24
Profit to date	532.36
Equipment and supplies	322.76
Net profit to date	209.60

Profit to date, Candy and Cigars	\$375.64
Flags	31.16

Total profit	\$616.40
Less expense Social Rooms	270.25

Net profit to date \$346.15
This will be applied toward wiping out the deficit of last year.

Last week's attendance at the dining room was a record breaker partially on account of the great Hook Night. On Friday evening there were ninety at supper which is an extraordinary number for the Union.

A change in announced in the Entertainment Committee. H. M. Davis has been elected chairman of it. Under the supervision of the committee the Chocolate Soldiers Minstrel troupe may have the use of the Union a week from Friday. This was decided only after some discussion of the matter.

For the social rooms the House Committee will provide for the rest of this year the monthly magazine called "College News." They will also try to get a duplicate set of magazine binders.

F. H. Achard, whose election to the House Committee was only recently announced, has been transferred to the Entertainment Committee. Lucian W. Burnham, 1914, has been elected to the House Committee.

MUSICAL CLUBS GIVE A CONCERT AT WAVERLY

Notice of Meeting Tomorrow For Important Business

Last evening the combined musical clubs went out to Waverly, Mass., where they gave a concert in Waverly Hall, after a last rehearsal in the Union just before the train left. The full membership went on the trip.

The program, of nine numbers, was well rendered and enthusiastically received by the audience, the vocal Quartette's selection being especially well enjoyed.

The program was as follows:—

1. Dear Old M. I. T. Glee Club
2. Madame Sherry Mandolin Club
3. Solo. Wilson, 1911.
4. Reading. Harry Briggs.
5. Flash Galop. Banjo Quintette
6. The Cat with the Baritone Vocal Quartette
7. Reading. Harry Briggs.
8. The Gypsy Prince. Mandolin Club
9. Stein Song Glee and Mandolin Clubs

Tomorrow afternoon, at 4.30 in the

REFUSE DISPOSAL OF CITY OF BOSTON

Commissioner Rourke Discusses Bid Before City Council

\$10,000,000 FOR TEN YEARS

Material will be disposed of at N. E. Sanitary Product Co. on Spectacle Island

At the meeting of the Executive committee of the City Council on Monday afternoon, Commissioner Rourke of the Public Works Department discussed with them the proposal of the Boston Disposal Co. to dispose of the city's refuse for ten years for approximately \$10,000,000. By the terms of the bid the company agrees to take care of all the refuse and garbage except from East Boston and Roxbury for \$234,000 the first year, with an increase of 2.1 per cent for each of the following nine years. Five receiving stations, three on the waterfront and two inland, will be established, and to these the city will cart all the garbage and certain forms of refuse before the company will take care of it.

The material will be disposed of at the plant of the New England Sanitary Product Company on Spectacle Island; it was stated that the disposal company had agreed to buy out the New England concern, and so would be assured of a means of getting rid of the great amount of material.

The cost to the city under the terms of this contract Commissioner Rourke stated to be about 54 cents per ton, while under the present system the cost is 74 cents. The possible alternative discussed was the erection of a municipal incinerating plant, which would be leased to the company contracting to dispose of the refuse and garbage in that manner.

CATHOLIC CLUB

MEETING AT UNION

Dr. T. F. Harrington Will Address Club on "Practical Value of Health."

The Catholic Club will hold a meeting in the Union tonight at 8.15 p. m. Dr. Thomas F. Harrington of the Boston Public School Health Board will speak to the Club on the "Practical Value of Health." It is expected that the speaker will deal especially with the absolute need and importance of good health to young men and he will undoubtedly emphasize the dangers which are the causes of ill-health and unsuccessful careers. Dr. Harrington has had remarkable experiences in his long practice and is well equipped to give his hearers some very valuable advice. It is hoped that the members will turn out in full force and give the Doctor a "Royal Welcome" typical of the Tech men.

The Ha-ha's a little late, drew a good deal of real laughter. Prof. T. thought that his oysters had not been shelled.

Union, a very important meeting of the Musical Clubs is called. The special business is concerning the coming concerts, particularly the Symphony and Spring Concerts. Tickets for the latter will be distributed. Also the Club pictures are ready to be given out at that time.

UNION COMMITTEE RECOGNIZES CHOCOLATE SOLDIERS

Minstrel Show Will Be Under Supervision of Committee

IDENTITIES KEPT SECRET

In Spite of Hounding Tech Cub Reporters Union Committee Keeps It Dark

After a heated discussion at the meeting of the Union Committee today it was voted officially to recognize the Chocolate Soldiers' Minstrel Company and to extend to them the use of the Union for their performance on Friday evening, March 17. By virtue of this action the committee complied with the precedent established at the time of the opening of the Union that this Union should always be used for the benefit of the Student Body. Therefore The Chocolate Soldiers' Minstrel Show will be held officially under the supervision of the Union Committee.

The next question is, who are the Chocolate Soldiers' Minstrels? They evidently have made themselves known to the Union Committee but how they have done this and still elude the aggressive Tech reporters (in fact, everyone from Managing Board to the Heelers) is a question *The Tech* is at a loss to answer. And what is worse it hurts the reputation of *The Tech*. To think that a movement of as great importance as this and which is bringing the entire student body to a fever heat of excitement should so baffle the editors of such a paper is a stigma which will take years to live down.

The latest minstrel dope which came by special delivery in today's mail tells the whole story in a nut-shell.

THE PENNSYLVANIA STATE COLLEGE

The following letter, received by Secretary Merrill may be of interest to some Tech men.

As a preparation for college teaching, five scholarships are offered annually in The Pennsylvania State College of the value of six hundred dollars each to men and *women graduates of any college of good standing. In return for the stipend, the holder must render a limited number of hours service in class-rooms or laboratory and must make at stated intervals to the dean of the school to which he is appointed reports of progress in such investigation or research as will lead to a higher degree in this or another institution. One fellowship each is assigned to the schools of Agriculture, Engineering, Liberal Arts, Mining, and Natural Science, selection being made by the faculty of the school prior to April first each year. Inquiries may be made and papers submitted, especially contributions in print, directly to the dean of any school. Address State College, Pa.

* Home Economics.

CALENDAR

Wednesday—Mar. 8

4.15—Gym Team Practice—Gym.

Thursday—Mar. 9

5.00—Technique Board Mtg.—Union.

8.00—Mining Eng. Soc. Mtg.—11Eng.

B. 7.30—Gym. Team Exhibition—South Station.

8.15—Catholic Club Mtg.—Union.

Thursday—Mar. 9

4.00—Musical Clubs Mtg.—Union.

4.30—Orchestra Rehearsal—Union.

Friday—Mar. 10.

8.00—M. I. T. C. C. Hop—Tuileries—Commonwealth Ave.

1.00—House Com. Mtg.—Cage.

1.00—Tech Board Mtg.—Union.

4.15—Gym. Team Practice—Gym.

1.00—Hare & Hounds Club Mtg.—Union.

Saturday—Mar. 11.

8.00—Cosmopolitan Club Mtg.—Union

BATTALION HOP, FRIDAY EVENING.

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WEDNESDAY MARCH 8, 1911

The recommendation of the A. A. that the hockey team be awarded the "T" this year is well taken. The team had a very successful season in spite of their difficult schedule, but more than this, the spirit which they developed as a team and the individual grit that they showed throughout the season marked them as an exceptional team, worthy of the highest honor that we as their Institute can give them. We believe that every student here is anxious to see the letter awarded to them by the Advisory Council.

In certain of the second-year lecture periods this week, the lecturer has had to stop for a time on account of the boisterous behavior of several individuals of the class. The few men, who are so discourteous to the lecturer, who are so inconsiderate of their fellow-students, and who are so puerile in their actions, have no business in attending a serious lecture course. They should be barred entirely from such courses until they are serious enough to appreciate and profit by them. The man who feels that the darkening of the lecture hall is his cue to appear in amateur impersonation of members of the feline and canine families, should take an I. C. S. course, where he can perform at home to his heart's content. At least, should he not attend lectures where his demonstrations will interrupt an able lecturer and his interested audience. Untimely exhibitions are not appreciated and serve merely to "bespeak the vacant mind."

MINSTREL DOPE FOR TODAY

I am disgust! Some freshman reporter of *The Tech* is attempting to deceive his readers with advance dope on the Grand Night of the Chocolate Soldiers. Did you read that front-page article yesterday? Well, forget it! Hardly a word of it is true; fabrication from the top to the bottom of the sheet.

Believe me, dear fellow-studes, the correct items on the coming event are to be found daily in this column; take everything you may read elsewhere with a large grain of salt. The reporter in question claims that he interviewed me. If he did I didn't see him! Then he proceeds to give what he states are the most important facts but which, if anything, are mere vague guesses. As to the members of our organization being former Tech Show men,—there's nothin' to it. We don't wish for a minute to deride the quality and ability of Tech Show men,—they are all right, but there are others. We have them,—the pick of 1500 students. But the make-up of the Chocolate Soldiers will never be discovered by *The Tech* or anyone else,—until St. Parick' day in the evening.

As ever,
The Advance Agent.

HARE AND HOUNDS RUN SATURDAY

Sophomores and Freshmen Should Start in First of Season

Saturday the first hare and hounds run of the season will be started at 3.30 from the Gym. In order not to tire the runners too much for the first run it will be only between two and three miles long, and the pace set will not be very fast. The men will all go in one bunch, instead of two squads as is sometimes the case. Some of the upper classmen will go with the men to advise them and overlook their work.

The freshmen and sophomores should come out for this run, as it will be excellent training for both the intercourse and the freshman-sophomore interclass meet, which will be held in April, the former a couple of weeks before the Junior week, and the other a week later.

As soon as the weather becomes suitable and all the frost is out of the ground, the hare and hounds runs will take place in the country, ending at the field as usual. As announced the election of officers will take place Friday at 1.00 in Room A, of the Union.

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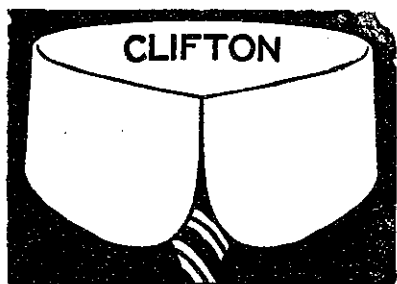
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ALUMNI NOTES

At the recent meeting of the Technology Alumni Association of Buffalo, Mr. Schuyler Hazard, Chief Engineer of the excavations for the new Pennsylvania Station in New York gave an illustrated talk on the Station. Afterwards the following officers were elected: W. H. Watkins, '95, Pres.; R. F. Morgan, '99, Sec.; W. L. Spaulding, '05, Treas.; Ex. Com. H. A. Boyd, '80, F. Vogel, '98.

Arnold W. Brunner, '79, of New York City, won the award for the plans of the new State Department building which is to be erected in Washington. Mr. Brunner is architect for the cities of Cleveland, Baltimore, Grand Rapids and Rochester. He is ex-president of the New York Chapter of the American Institute of Architects, and for two years was a member of the Art Commission of New York City.

Even among his classmates, few were aware of the benefactions of Linwood O. Towne, '78, to deserving young men who were struggling for an education. In his will, which was recently probated in Salem, a provision is made for continuance of this assistance to men studying at educational institutions with courses uncompleted until they shall be graduated, or decide to leave to take some employment. These men will not be asked for payments on loans advanced where such payments would handicap the men too soon after getting employment. It also provided that the beneficiaries will not be pressed for payment of notes if not convenient, until five years after they have been graduated.

Charles L. Bates, '03, I, Assistant Division Engineer of the Canadian Pacific Ry. is in Boston for a month's vacation. For the past four months Mr. Bates has been in charge of the location of a new line connecting Regina, the capital of Saskatchewan, with Prince Albert, the most northerly city in that province. This line will probably be constructed during the coming summer, in which case Mr. Bates will be the Engineer in charge.

FINAL ARRANGEMENTS FOR MILITARY HOP

Entire Floor of Hotel Tuilleries Including Promenade To Be Engaged

Final arrangements have been made by the dance committee of the Battalion with the management of the Hotel Tuilleries for the Hop. The entire floor will be given over to the affair. There is, besides the ball-room, a large side room, a dining-room and a promenade. In many corners there are palms, and Tech decorations will be prominent.

Most of the officers have decided among themselves that they would not get flowers, and the committee prefers that they be not brought, as they are likely to spoil the dancing. The tickets are still being sold, and it is hoped that all who are undecided will decide quickly and get tickets immediately.

CORNELL DROPS HARVARD TO PLAY MICHIGAN

Cornell Schedule for next Fall. All but Two Games to be at Ithaca.

Cornell's football schedule for next season has just been announced by the athletic council of that college. The season opens on September 27, and ten games will be played, all but two of these in Ithaca. The Michigan game takes the place of the Harvard game on November 11.

The schedule is as follows.
Sept. 27—Allegheny in Ithaca.
Sept. 30—Colgate in Ithaca.
Oct. 7—Oberlin in Ithaca.
Oct. 14—Pennsylvania State in Ithaca.
Oct. 21—Washington and Jefferson in Ithaca.
Oct. 28—University of Pittsburg in Ithaca.
Nov. 4—Williams in Ithaca.
Nov. 11—Michigan in Ithaca.
Nov. 18—Chicago in Chicago.
Nov. 30—Pennsylvania in Philadelphia.
The spring baseball Southern trip schedule was adopted and includes from April 6 to 10, games with the Washington Americans, Georgetown University, Baltimore Eastern League, Dartmouth, April 11, and South Orange Athletic Club, April 12.

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SECOND YEAR
Mechanical Engineering Drawing
Exercises for Course VI, section 1, begin on Wednesday, March 8, and for sections 2 and 3, on Friday, March 10.

DRAWING DEPARTMENT

Current Work Week of March 6, 1911
Descriptive Geometry
The problems given will be 23, 24, & 25. Time allowed 2 hours, 30 minutes.
Mechanical Drawing
Study Plate 4 (The Bicycle Chain and Sprockets). Time allowed 3½ hours.

1913 BASKET BALL
Picture to be taken Thurs., March 9 at Notman's, 3 Park Street, at 1.15 p. m. Following men be there with suits: Muther, Capt., McCarthy, Hart, Murdock, Sampson, Hudson, Capen. (102-2†)

Mrs. Russell Sage has presented Vassar College with \$100,000 with which to erect a new dormitory.

Two skulls have been placed on exhibition at the University of Michigan that are supposed to be 15,000 years old.

Assistant Professor G. A. Reisner of Egyptology at Harvard has discovered from recent investigations that the ancients used ink.

Two prizes of fifty and twenty-five dollars, endowed by George M. Sargent, of Evanston, are given each year to the two students of North-western University who excel in public speaking.

NOTICE
Physician will take into his family, two students; room with board if desired. Would consider a student during illness. Best of references from former Tech graduates. Call at 194 Huntington Avenue, Cor. Cumberland Street.—Suite A or Phone 3801-J—Back Bay, for particulars.
Mrs. George W. Galvin

NOTICES

Mechanical Engineering Society nominations for officers due at the Cage on or before 5 P. M. Tuesday, March 7. See M. E. bulletin board in Eng. A for particulars.
Foster Russell, Secretary.

NOTICE

CAPE COD CANAL TRIP

All Civil Engineers who intend to go Must sign the lists posted in the drafting rooms. Everyone else who desires to go should apply to O. D. Powell, Secretary, at once. Trip will be in April. Cost about \$2.00. Further particulars later.

ROOMS
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MUSICAL CLUBS
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Friday, March 10, at 8
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Saturday, March 11, at 2
CARMEN
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