

CHEMICAL SOCIETY VISITS DRUG PLANT

Process of Manufacturing Perfumes is Explained to Members — Party Divided Into Small Groups Each Conducted by Guide

SECOND TRIP MAY BE MADE

Forty-five men yesterday took advantage of the opportunity offered by the Chemical Society to visit the plant of the United Drug Co., manufacturers of the well known "Rexall" products. The party assembled at the plant at 2.00 P. M. and was divided into five sections, each under a guide. All parts of the big concern were visited, the duties and co-ordination of each being carefully explained so that it gained a comprehensive idea of the working of the whole plant.

First the preparation rooms where the ingredients for different drugs are distilled, filtered and mixed were visited. There were large vats labeled "Hair Tonic," "Cream of Almonds," and many other familiar names. Delivery pipes led the preparations from these vats to the filling stations on the floor below, where bottles were being filled automatically at the rate of fifty a minute.

All of the blue "Rexall" cartons and boxes are made on the premises. Special presses stamp the cardboard in two colors and cut the material into a form which may be readily folded up into boxes. Here also the metal for toothpaste and cold cream tubes is stamped and pressed into shape. These tubes are left open at the bottom until the preparation is forced into them, when they are sealed by a special machine.

A great deal of the United Drug Company's business is merely that of distribution, as in the case of stationery and rubber goods, none of which is made in the plant. All the perfumes, however, are manufactured here, and constitute the most important part of the business. The head of this department gathered all the men into his laboratory and gave a short talk on the method of preparation.

All the scents come from France and Switzerland. Most of the scents are prepared from the natural flowers, but a large amount are made synthetically. The natural cultivated jasmine, for instance, is subjected to treatment with petrol, which dissolves the flower wax containing the perfume. This solution is evaporated until only the perfume-carrying wax is left, and this is shipped to America. A thousand pounds of jasmine flowers will make on an average one pound of wax. When the wax reaches the United Drug Company it is treated with alcohol, the perfume itself is dissolved out, and the wax is used for making soaps of the better grade. The alcohol solution, called the essence, is then mixed with musk or ambergris, perfume mordants, to make the perfume which is sold at the retail store. Most perfumes are made in this way, but some of the better grades are manufactured from scents shipped from France in the so-called "concrete" form, worth sometimes as much as one hundred dollars an ounce.

The United Drug Company is the largest user in America of Otto of Rose, a natural perfume, except the American Tobacco Company, which uses the perfume for the manufacture of snuff.

After seeing the packing and shipping department, the inspection was completed, having lasted about an hour and a half. A second trip will be conducted in the near future if it is found that more men wish to see this plant.

MUSICAL CLUBS

The competition for the second position of Assistant Manager of the Musical Clubs was begun Monday afternoon at the candidates' meeting. About seven men reported to Manager Kingsbury, who outlined the nature of the season's work and the conditions of competition. He also stated that there was still an opportunity for men to try out for the position by reporting at the office of the Musical Clubs in Room 1-075.

BUCENTAUR RETURNS TO BOSTON

Technology's Sacred Barge Completes Second Trip in Three Days

At noon yesterday the Technology Bucentaur, again abandoned by its Admiral, broke loose from the landing in front of the New Institute, and was swept down the Charles River Basin by the strong west wind. This is the second time in three days that Technology's super-dreadnought has broken away from its anchorage.

Early last Saturday morning the Bucentaur broke loose from its moorings on the Cambridge side of the Charles, and aided by a favorable wind, stood off from the shore and headed for Boston. The wind, blowing at about forty miles an hour, drove the boat across the flood in the record time of thirty minutes. Arriving at the Boston Esplanade, the Bucentaur maneuvered itself around, and, heading up stream, drew up against the bank. Technology's battleship remained here at the mercy of wind and wave until the War Department, noting its helplessness, had it brought back to Cambridge and moored at the landing in front of the Tech Buildings.

Boston, however, continued to exert its influence on the famous craft, and yesterday when a strong gale swept across the river, the Bucentaur again set out for the "Hub." This second trip was completed in about forty-five minutes, the sacred barge arriving off Arlington Street at 1.00 o'clock.

The first voyage of the season was completed in three hours, which is two weeks, three days, and six hours better than any previous round trip.

Up to the time of going to press the Bucentaur had not been brought back to Cambridge.

T. C. A. HOLDS CAMPAIGN

Seven Hundred Dollar Budget Must Be Raised in Three Days

Today is the second day of the T. C. A. Financial Campaign, and those students who have not as yet contributed to the fund which is to be raised are requested to do so immediately. This year's budget, which amounts to \$700, is larger than those of previous years, but this is merely a proof that the association is broadening the scope of its service. As a result of this expansion the association calls upon the student body for increased financial aid.

The T. C. A. is as much an All-Institute activity as any other organization connected with Technology and deserves the support of the undergraduates. It warrants the student co-operation not alone for its connection with the Institute, but mainly for what it does for Technology students.

The T. C. A. is a non-sectarian organization. It has no dues, first, because everyone cannot support it equally, and, second, because its work is a benefit to all students and everyone should be given the opportunity to help. By paying one dollar and a half the student secures membership privileges at the Boston Y. M. C. A., the Cambridge Y. M. C. A., and at the Boston Y. M. C. Union. Collectors have been appointed in each of the different sections and in the fraternities. It is the wish of the officers of the T. C. A. that the students will respond immediately to the soliciting.

WIRELESS SOCIETY

New Members Admitted—Plans for the Coming Year Discussed

At the meeting of the Wireless Society, held last Monday evening, ten new men were admitted to membership to the society. A committee was appointed to investigate the details and expense of a soundproof room for a receiving set and P. A. De Mars, '17, was elected Chief Electrician. He is to have charge of the design and installation of a panel set which is to be constructed by the members to facilitate the efficient arrangement of sending apparatus. The society hopes to have the switchboard completely installed before long. A permanent antenna will be constructed so that the sending and receiving sets will be ready for operation at all times.

A letter was read from W. J. Henry, '18, ex-president of the society, who is now with the General Electric Company, which contained several suggestions for the improvement of the work of the society.

C. E. SOCIETY

Professor E. M. Spofford to Talk on Quebec Bridge This Evening

This evening at 8.00 o'clock the Civil Engineering Society will hold its first smoker of the year at the Caf in the basement of Building 2. At this time Professor E. M. Spofford, head of Course I, will talk on the failure of the longest span bridge in the world, the cantilever bridge at Quebec. This structure was become some time ago and has recently attracted considerable attention by the catastrophe which involved a loss of life and which happened while lifting the central unit of the bridge into place. Professor Spofford hopes to be able to secure some stereoptical slides of the work on the bridge with which to illustrate his talk.

At this time C. E. Atkinson, '17, and F. O. Kollon, '17, will each read a paper on subjects of general interest. This idea of reading student papers at the society's meetings is an innovation, but it is expected that they will prove a big success.

CLASS CREWS

Fall Schedule of Practice Arranged—New Men Needed

The class crews are practising daily getting into trim for the coming races. There will be a contest between the Sophomores and freshmen on Field Day and one between the Seniors and Juniors is also contemplated. Manager Littlefield, '17, wishes all candidates for crew and coxswain to report at the boathouse as often as possible with their class. If, however, men are unable to report with members of their class, they are to report at one of the other hours.

The following schedule for Fall practice at the B. A. A. Boathouse has been arranged:

Freshmen—Monday, Tuesday, Wednesday and Friday, 4.00-5.30. Saturday, 12.00-2.00.

Sophomores—Tuesday and Thursday, 4.00-5.30. Saturday, 1.00-2.00.

Juniors and Seniors—Tuesdays, 4.00-5.00. Saturday, 12.00-2.00.

The Crew Managers will take charge as follows: Monday, Warriner and Doten; Tuesday, Doten and Loucks; Wednesday, Hall and Warriner; Thursday, Sherman, Hall and Daube; Friday, Hall and Warriner; Saturday noon, Loucks, Sherman and Daube; Saturday at 1.00 o'clock, Loucks, Doten, Hall, Paube and Sherman.

Managers are to look after their own class crews when this is possible. All third and fourth year men will row together as temporary Varsity material. Manager Littlefield has issued a call for more candidates. This applies especially to the Sophomores, who up to the present time have only a few men out. New candidates should report at the B. A. A. Boathouse at one of the above practice hours.

COSMOPOLITAN CLUB

Mr. Charles Hurrey to Speak on the Student Situation in America

The Cosmopolitan Club will hold a social and business meeting tomorrow evening, October 19, at 7.30 o'clock in the Caf. This is the first meeting of the club this year and all foreign and American students interested in foreign work should attend. Students of Harvard and other colleges are also invited to attend.

Mr. Hurrey of the "International Committee on Friendly Relations with Foreign Students" will speak on the student situation in America with especial reference to the co-operation between American and foreign students. Dean Burton and Professors Seaver and Wickenden have also been requested to speak.

The Cosmopolitan Club at Technology is a branch of the General Cosmopolitan Club of America, an organization which is represented in all of the large colleges of America. There were about twenty-five nationalities represented in the society at the Institute last year.

ADVISORY COUNCIL

There will be a meeting of the Advisory Council on Athletics on Tuesday, October 24, at 8.00 P. M., at 295 Commonwealth Avenue, Boston.

REVISED NOMINATION LISTS OF THREE UPPER CLASSES

Expect Large Vote at Polls on Friday — Special Provision For Architects In Rogers — Class Dues Must Be Paid Before Voting

STRAW VOTE FOR NATIONAL PRESIDENCY

Next Friday from 8.30 A. M. to 4.30 P. M. the polls will open in the Main Lobby for the election of the officers of the three upper classes. For the benefit of the architects the polls will be open from 1.00 o'clock to 2.00 in Rogers Corridor. On account of the system of conducting the elections the architects will be allowed to vote ONLY at Rogers between 1.00 and 2.00, but may vote in the Main Lobby of the New Technology at other times.

On the ballots for the officers of the three upper classes will appear the names of the candidates for the presidency of the United States—Woodrow Wilson, Democrat; Charles Evans Hughes, Republican; Allan L. Benson, Socialist; Hon. J. Frank Hanley, Prohibitionist. In Friday's issue of The Tech will appear the arguments pro and con for each of the Republican and Democratic candidates. Communications favoring either of these men will be accepted if brief and to the point. Upper classmen not voting in class elections and freshmen may vote in this straw election, using for that purpose the ballot in the Friday issue of The Tech.

The results of the elections will be announced at a Mess Meeting in Room 10-250, "Smith" Hall, on Friday evening at 8.00 o'clock.

The election committee will meet at 3.00 o'clock tomorrow (Thursday) in the Tech Office.

Class dues must be paid to vote and may be paid at the polls. The collectors of Senior Class dues must report in the Main Lobby to H. B. Gardner, treasurer, today between the following hours: 8.45 to 9.00, 10.00 to 11.00, or 1.00 to 1.30.

The collectors of Sophomore dues must report between 8.45 and 9.00 tomorrow to A. E. Gainsey, treasurer, in Room 2-109.

The following men have withdrawn their nominations: Robert T. Collier, for president, 1918; Edward F. Deacon, for treasurer, 1919.

The list of the nominees is reprinted with corrections below.

FIELD DAY TEAMS

Relay and Tug-of-War Teams Closely Matched—Time Trials Held

According to the coaches the outlook for a freshman victory is much brighter than in former years, and it is even admitted by many upper classmen that the freshmen will put up a strong fight for honors on Field Day.

The time trials of the men competing for the relay teams was held last Monday, and while no times were disclosed, Coach Kanaly thinks the outcome of the race will be highly uncertain. The total time of the first twelve men to finish in the freshmen trials was only one quarter of a second faster than that of the present Sophomore class last year. Time trials were held last season at about the same date as those held this year, so that the 1920 men have had no more time in which to develop than the Sophomores had last year.

Coach Burton of the Sophomore tug-of-war squad claims victory on the basis of the present comparison of the two teams. Coach Kanaly, however, says the freshmen are a stronger class than the Sophomores. At the recent freshmen banquet, he claimed 1920 to be one of the most physically fit classes which has ever entered the Institute, pointing out that the freshmen were stronger in the back and arms than the Sophomores. Although only twenty-five men are reporting regularly every day, they are being put through some strenuous work. Five laps per day is the average run after practice, and the exercise is putting the squad into the pink of condition. After practice yesterday, F. W. Boley, '19, was elected temporary captain of the 1919 team.

1917 Nominations

The following are the nominees for the Class of 1917:

PRESIDENT—

John M. DeBell—Course XA, Kappa Sigma, Osiris, Beaver, Pi Delta Epsilon, Walker Club, K2S, Masque, Chemical Society, Editor-in-Chief Technique 1917, Associate Editor-in-Chief The Tech (2), Member Advisory Council The Tech (4), Institute Corporation (3), Executive Committee of Institute Committee (3, 4), Freshman Football (1), Technique Electoral Committee (2), Technology Orchestra (3), Chairman Student Service T. C. A. (4), Manager Technology Reunion Pageant Chorus (3), Glee Club (4).

Lucius T. Hill—Course XV, Lambda Phi, M. I. T. A. A., Class Football Captain (1916 class), Principal Tech Show, Technique 1916 Electoral Committee, XV Corporation.

Leroy A. Swan—Course II, Sigma Alpha Epsilon, Osiris, Beaver, Walker Club, Theta Tau, Masque, Mechanical Engineering Society, Technique 1917 Electoral Committee, Portfolio Editor, Technique 1917, Tech Night Committee (3), Chairman (4), Tech Show (1, 2), Musical Clubs (1, 2, 3, 4), Class Election Committee (2, 3), Undergraduate Reunion Committee (3).

VICE-PRESIDENT—

Dudley E. Bell—Course XV, Osiris, Beaver, Pi Delta Epsilon, Football (1, 2), Class Track (1, 2), Baseball (1, 2), Captain (1), Institute Committee (1), Tech Show (1, 2), Sporting Editor The Tech (2), Assistant Managing Editor The Tech (3), Treasurer M. I. T. A. A. (3), Class Treasurer (2), Blanket Tax Committee (3), Undergraduate Reunion Committee (3), Finance Committee (2, 3), Treasurer Summer Camp Minstrel Show (2), Musical Clubs (3), Corporation XV (3, 4), Civil Engineering Society, Technique 1917 Electoral Com-

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ALUMNI FIELD DAY

A big Field Day and general get-together meeting of the Technology men of Northern Ohio has been planned for Saturday afternoon and evening, October 28, 1916. As this is the first meeting of the year, W. H. Fleming, chairman of the committee, desires that all men keep the above date open and attend in order that the club gets a good start. The place, cost, and other details will be announced to the members later.

CANDIDATES FOR THE POSITION OF SECOND ASSISTANT PUBLICITY MANAGER OF TECH SHOW FROM THE FRESHMAN CLASS WILL MEET IN THE SHOW OFFICE IN THE BASEMENT OF BUILDING ONE, THURSDAY AT 5.00 O'CLOCK.

CALENDAR

Wednesday, October 18, 1916
4.00 P. M.—Freshman Crew Practice. B. A. A. Boathouse.
5.00 P. M.—Sophomore Tug-of-War Practice, Technology Field.
8.00 P. M.—Civil Engineering Society Meeting, Technology Caf.
Thursday, October 19, 1916
8.45 A. M.—Sophomore Collectors of Class Dues Report in Room 2-190.
4.00 P. M.—Sophomore Crew Practice.
5.00 P. M.—Election Committee, Tech Office. B. A. A. Boathouse.
5.00 P. M.—Sophomore Tug-of-War Practice, Technology Field.
7.30 P. M.—Cosmopolitan Club Meeting, Technology Caf.
Technology Caf.