

THE TECH

DAILY

VOL. XXIX. NO. 12.

BOSTON, MASS., TUESDAY, OCTOBER 12, 1909

PRICE ONE CENT

PURPOSES OF CLEOFAN BY MRS. RICHARDS

"The Association Of Technology Women" Alumnae Society

Considerable interest is naturally connected with the presence of the twenty odd young women students at a school like the Institute of Technology, which is so largely devoted to male students, and the teaching of scientific work. During past years they have organized a club called the Cleofan with a view to mutual social benefits and helpful cooperation. On account of their small numbers in comparison with the male student body, the members of the Cleofan are rather reticent about the plans and objects of their society and do not wish to say anything which will attract especial attention.

Ellen H. Richards, A. M., S. B., instructor in sanitary chemistry and wife of Prof. R. H. Richards, is the only woman instructor at the Institute. Mrs. Richards is an honorary member of the Cleofan and is in charge of the activities of the society. She has authorized the publication of the following statement concerning the women's club connected with Technology:

"The Cleofan is the name of the society for undergraduate women students, both regular and special. It is intended, as its name implies, to be a helpful social force, both to its own members who meet once a week, and to the general Institute public. It gives the use of the Margaret Cheny Reading Room for faculty teas and for many other suitable occasions. Registration is not complete, but several college graduates are among the entering students.

"The association of Technology women," on the other hand, is an organization of past women students, of whom there are some six or seven hundred. This society cooperates with the Cleofan as hostess in many social entertainments, and is always ready to be called upon for service."

At present the officers of the Cleofan are: President, Miss Flora Johnson; secretary, Miss Mary A. Fulton; treasurer, Miss Elizabeth B. Babcock.

MECH. ENG. SOCIETY

Competition For Shingle Design Five Dollar Prize Offered

The Mechanical Engineering Society offers a prize of five (\$5) dollars for the best design for a shingle for the Society. The competition is not restricted to members, but is open to anybody. The design must be worded as follows: This is to certify that..... is elected a member of The Mechanical Engineering Society of the Massachusetts Institute of Technology, this..... day of..... 19.....

Pres.
Sec.

The design is to be on 8 in.x10 in. paper, and may be in two colors. The paper on which it is to be printed, is to be a light grey sheepskin. The design must also contain the seal of the Society, which will fill a circle 2 in. in diameter. All designs to be handed in at the Cage before Nov. 1, addressed to ARTHUR P. TRUETTE, Sec.

For further particulars, see the Secretary.

GOLFERS TO ORGANIZE SALISBURY LEADS TEAM

Work For Season Planned Good Chances Open

Plans are being laid for the organization of the golf club, and the men hope soon to have their outline of the season's work completed. The preliminary meeting of the golf club will be held Thursday, at 1:00 P. M., in 22 Rogers. It is hoped that all men who are interested in golf will be present.

Of last year's golf team, W. C. Salisbury 1911, is the only one still in the Institute, so a large part of the work of organization will naturally devolve upon him. The last season in golf was fairly successful, and there are hopes for a good one this year. The fall tournament last year was very good and considerable interest was shown by the number of entries. Salisbury expects an equally successful meeting this fall. Definite plans will be made as soon as possible. It is expected that many new men will report, as there are excellent chances for any new men on the team.

NEW COURSE STARTED REPLACES Op III, Course VIII

To meet the demand for men properly trained in electro chemistry, Course XIV has been established as a distinct course, in place of Course VIII, Option III. This is the first course of its kind offered in this country and is being rapidly developed by Prof. Goodwin, who is in charge of it.

Industries which involve using electrical energy as a source of power in effecting chemical changes and, conversely, those where chemical energy is transformed into electrical energy, are increasing steadily and rapidly. Cheap electrical power obtained from water power centers like Niagara Falls, makes possible the manufacture of many substances which have up to the last few years, been unknown or else manufactured only at great cost. The calcium carbide, aluminum, graphite, carborundum and caustic soda industries are instances of the remarkable progress in electrical lines. The refining of metals as well as the reduction of ores, as shown by the rise of the electric furnace in obtaining high grade steel illustrates the application of electricity in chemistry.

Electrochemistry is an experimental science and involves a thorough knowledge of the principles of theoretical and applied electricity, of theoretical, analytical and applied chemistry, and requires the ability to apply this knowledge to unsolved problems. Great emphasis is placed on the fundamental principles of physics and chemistry.

The course, however, is quite broad and gives its graduates abundant opportunities not only as electrochemists, but also in engineering lines.

RIFLE PRACTICE.

Ten men took part in the rifle practice at Wakefield, Saturday, and in spite of a slight haze, good shooting was done.

Capt. H. R. Wilbur 1910, president of the rifle club took high score with 19 at 200 yards, 22 at 300 and 23 on the 500 yard range. H. D. Kemp 1912, had the second high score, with 22, 19 and 22. The following scores were made at the 200, 300 and 500 yard ranges respectively: Robert Portal 1913, 21-18-22; G. W. Bakeman 1912, 20-21-10. W. W. Lang 1912, 18-19-22; M. S. Tod 1910, 18-20-17; R. Arcy 1913, 21-8-21, E. M. Symms 1911, 18-21-11; E. G. Brown 1912, 15-15-0.

TIGERS STILL SNARLING FALL PREY TO PIRATES

Wagner's Remarkable Playing Marks Pirates' Win

Profiting by "Ec-yah" Jennings' mistakes in his choice of twirlers, Pittsburg won a second victory over Detroit in the remarkable series for the championship of the world, at Detroit yesterday, by a score of 8 to 6.

Although battered hard throughout the contest, Maddox, the Pittsburg pitcher, kept his hits well scattered until the seventh. The Tigers then started a rally which threatened to wipe out Pittsburg's early lead of six runs, but Pittsburg put the game out of the home team's reach by adding two more runs in the ninth inning.

The honors of the day fell to the mighty Hans Wagner. In five trips to the plate, he made four bingles and stole four bases. He also played a remarkable fielding game, accepting seven chances without an error, and was directly responsible for five of Pittsburg's eight runs.

Bush and Delehanty excelled for Detroit, the former making four singles, and the latter two doubles and a single.

The Pirates bombarded Summers at the outset, and drove him from the box in less than half an inning. Five runs were scored on hits by Byrne, Leach, Wagner, Abstein and Wilson, a base on balls to Miller, and a wild pitch by Summers. Willett here relieved Summers.

Another was added by the Pirates in the second, when Willett hit Leach and Clarke, and Wagner, after forcing Clarke at second, worked the double steal with Leach, the latter scoring.

Maddox went along finely until the seventh, when hits by Delehanty, T. Jones, D. Jones, Bush and Cobb, with an error by Miller sandwiched in, netted the Tigers four runs.

Jennings then sent Ralph Works, a colt, to the mound with disastrous effects, as the Pirates put the game out of the Tigers' reach by scoring twice in the ninth as a result of hits by Byrne, Leach and Wagner.

Detroit made a game rally in its half of the ninth, but fell short of the desired goal. Abstein's error and hits by Bush and Cobb netted the home team two runs.

The score:
1 2 3 4 5 6 7 8 9 R H E
Pittsburg—5 1 0 0 0 0 0 2—8 11 2
Detroit —0 0 0 0 0 0 4 0 2—6 12 3
Batteries: Maddox and Gilson; Summers, Willett, Works and Schmidt.

1911 CLASS MEETING CALLED TO-DAY AT NOON IN H. H.

To get the members of the class of 1911 in meeting convened, President Salisbury has resorted to the novel expedient of corraling his class-mates in Huntington Hall this noon, by keeping them there after they have just finished the last lecture of the morning in the aforementioned place. The object of the meeting is primarily to infuse a little life into the men as a unit and then to urge the payment of class dues.

Class pipes will occupy a minor place in the proceedings of old business. Sample pipes will be shown to those who have not already placed orders.

Reports of last years officers will be heard; new business will then be introduced as a reminder that all should unite for the elections which begin at

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LOWELL INSTITUTE LECTURE COURSES BEGIN

First Course Commences To-day Many Prominent Lecturers

Lectures at the Lowell Institute begin tonight in Huntington Hall. The program for this, the 71st season, is nearly complete. In all but the theological course, the topics, lecturers and times have been decided upon.

Five free series are offered by the Lowell Institute. First there is the course of public lectures in Huntington Hall which is sub-divided into ten courses, each dealing with some topic of general interest. The second course is an evening school for industrial foremen. Course III is a teachers school of science. In King's chapel lectures on current topics in theology are given and the fifth course consists of collegiate studies.

Huntington Hall Lectures.

Probably the most popular is the series of lectures in Huntington Hall. Admission to these is free, but tickets must be obtained from the Curator, 491 Boylston street, Boston. Ten connected courses of lectures are given by different prominent men. Occasionally, special lectures will be given at which no seats are reserved.

The second course will be six lectures by Hon. William Everett, LL.D., on "The English Orators of the Eighteenth Century." Doctor Everett will deal with Chatham, Burke, Fox, Sheridan, Erskine and William Pitt, considering one at each lecture. This course begins Oct. 18, and the lectures will be on Mondays and Thursdays at 8:00 o'clock.

The first lecture course will be Rev. George Washburn, LL.D., formerly president of Robert College, Constantinople, who will speak Tuesday and Fridays, beginning Oct. 12. The subjects of his lectures will be as follows: 1. "Development of the Eastern Question to the Creamean War." 2. "The Twenty Years Which Undid the Work of the Treaty of Paris." 3. "The Treaty of Berlin and the Balkan States." 4. "Sultan Abdul Hamid." 5. "The people of Turkey." 6. "The Probable Future of the Ottoman Empire."

Dr. Herbert Fisher, M.A., of Oxford, England, will lecture Mondays and Thursdays, beginnings Nov. 8, on "The Republican Tradition in Europe." He will deliver eight lectures as follows:

1. "The transmission of Classical Ideals from the Fall of the Roman Empire to the French Revolution." 2. "The Rise of the First French Republic." 3. "Characteristics of Republicanism in France." 4. "Influence of Republican Ideals in Germany, Italy and England, 1789-1815." 5. Rise of the Second Republic in France." 6. "The Republican Movements in Germany and Italy, 1848-1849." 7. "The Third French Republic." 8. "Strength and Weakness of the Republican Principle in Europe."

The fourth course consists of four lectures on Tuesdays and Fridays, beginning November 16, by Prof. Stephens of the University of California, on the San Francisco earthquake. The lectures deal with the earthquake and its human aspects, the fire, the ruins and the relief work.

On Tuesdays and Fridays, beginning Nov. 30, Prof. Parker of Harvard will lecture on "The Human Sense Organs and Their Evolution." Prof. Parker will speak of the sense organs of the skin, the ear, the eye, and the senses of smell and taste.

On December 8, Mr. Copeland of Harvard will lecture on "Dr. Johnson and His Friendships," in observance of the Bicentenary of Dr. Johnson's birth.

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