

# THE TECH

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BOSTON, MASS., WEDNESDAY, MAY 12, 1909

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## EXAM. SCHEDULE IS ANNOUNCED

Provisional List of Finals for Current Year is Ready

PERIOD BEGINS MAY 24

Following Schedule is Subject to Correction by Institute Bulletin Later

Year.	Subject.	Hour.
Monday, May 24.		
4	*Alt. Current Mach. 650.	2-5
3	*Applied Mechanics. 65, 66, 67, 69.	9-12
3	*Assaying. 432	2-4.30
3	*History of Science. 761.	2-4
4	*Hydraulics. 330, 331, 332.	9-12
3	*International Law. 185.	2-4
3	*Mining Engineering. 458.	9-12
3,4	*Theoretical Chemistry. 610.	9-12
3,4	Theory of Warship Design 915, 916.	9-12
Tuesday, May 25.		
4	*Ap. Mech. 80, II, III, X, XIII, XIII-A.	9-12
4	*Ap. Mechanics. 82, VI.	9-11
3	Argument & Debate. 145	9-11
3	Business Law. 186	2-4
4	*Elec. Eng. Lab. 693.	2-5
3	English Literature of XIX Century. 157.	9-11
3	European Civilization and Art. 177.	9-11
3	History of Science. 761.	9-12
3	Labor Problems. 196.	9-11
4	*Machine Design. 404.	2-5
3	Municipal Government. 181.	9-11
G	Org. & Adm. of Pub. Ser. Corp. 698.	9-12
4	*Steam Engineering. 385.	9-12
4	Structures. 348, 350, 351.	9-12
Wednesday, May 26.		
4	Alt. Current Mach. 650.	9-12
3,4	Alternating Currents. 656.	9-12
4	Applied Chemistry. 646.	9-11
3	Bacteriology of Water and Sewage. 748.	2-4
3	*Economic Geology. 859.	2-4
3	Electrical Engineering. 653, II	9-12
G	Geology of Igneous Rocks. 877.	9-12
4	Industrial Chemistry. 580.	2-4
4	Industrial Management. 409.	9-11
4	Metallurgy. 442.	9-12
3	Mining Engineering. 458.	9-12
3	Organic Chem. Lab. 598.	9-10
4	*Organic Chemistry. 592.	9-12
4	*San. and Hyd. Eng. 334.	9-12
3	Ship Construction. 901.	9-11
3	Structures. 345, 346.	9-12
4	Theoret. Biology. 701.	9-12
4	Theoret. Physics IV. 829, 830	9-12
G	Water Power. 343.	9-12
Thursday, May 27.		
3	Anthropology. 720.	9-11
3	Applied Mech. 70, II.	9-12
3	Applied Mech. 71, XIII, XIII-A.	9-11
3	Applied Mech. 72, III, X.	9-12
3	Applied Mech. 74, IV.	9-12
3	Assaying. 433.	9-11
3,4	*Dynamo Electric Machinery. 661.	2-4
4	Electrical Engineering. 657.	9-12
2	*English Literature. 150.	2-4
3	*Geology Dynamical. 855.	2-4
4	History of Chemistry. 645.	9-11
4	*Hydraulic Measurements. 333.	2-4
4	Hydraulic Motors. 338.	9-12
4	Hydraulics. 331.	9-11
2	*Mathematics. 30.	9-12
2	*Mathematics. 32.	9-12
4	Municipal Lab. Methods. 755.	9-12
3	Organic Chemical Laboratory. 599.	2-3
2,3	*Organic Chemistry. 590.	9-11
4	*Sugar Analysis. 573.	2-4
Friday, May 28.		
4	Applied Mechanics. 81, II, XIII, XIII-A.	9-12
2	*Architectural History. 490.	9-11
2	*Descriptive Geometry. 107.	9-12
3	*Elements of Electrical Engineering. 683.	2-4
3	*Elements of Electrical Engineering. 655.	2-5
2	English Literature. 150.	9-11

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## SPRING HANDICAP MEET SATURDAY

Is Final Move to Get Team in Shape for Inter-collegiate

MASS MEETING FRIDAY

Kanaly Expects all Men who Have Done Track Work to Enter—Chance For All

Coach Kanaly is making every effort to get a team in shape that will make a creditable showing in the intercollegiate track meet May 21 and 22. His latest move is to hold a handicap meet on Saturday. This is a new wrinkle and should be a big help in developing the team. Mr. Kanaly was disappointed in the small number of men who started in some of the events in the spring meet last week, especially where the individual trophies were offered. This may be because some of the new men were scared out by the fear that too many star men would appear for them to have any chance.

Everyone will have an equal chance in the handicap meet, as the handicaps will be arranged so that no race will be won till the finish, and most of the finishes will be exceedingly close. All entries should be in by Thursday night for the handicaps to be properly arranged.

There are two principal objects in holding this meet. In the first place, the men who are to compete in the intercollegiate will be picked at this time. In the second place, the squad needs every incentive to do faster work on the track, and the field events are in miserable shape. Tech's chances of winning the intercollegiate, which were fairly good at the beginning of the year, will have to be postponed till next season. The meet Saturday should give a good indication of what kind of a track team Tech will have next year, as the men who were depended upon to bring honors this spring to the Institute have been a great disappointment. The men that really do take to heart the desire of doing something for Tech will continue to do their best, and with the assistance of those who are to come along next year, it is certain that Tech will have to be reckoned with before the New England intercollegiate championship is decided.

Captain Gram, as chairman of a committee appointed by the Athletic Association, has arranged for a mass meeting at the Union on Friday at 1:30 P. M. Dr. Rockwell and a few others will speak, and some of the cheers and songs will be rehearsed. A cheer leader for the intercollegiate will probably be chosen. It is hoped that the Union will be packed.

## PRES. ELIOT HONORED

The highest honors of Japan were bestowed upon Charles W. Eliot, Harvard's retiring president, yesterday when Ambassador Kogoro Takahira decorated him with the Japanese Order of the Rising Sun. Dr. Eliot is the sixth person in this country who has received the insignia of this order, which corresponds to the Grand Cross of the Legion of Honor in France and to the Order of the Bath in England. Two other residents of Boston enjoy the distinction of wearing this royal order. One of these is Lieut. Commander Goro Tomonaga, a student at the Institute in the Naval Architecture course, whose brilliant naval record in the late Russo-Japanese war won for him his insignia. The other is Charles M. Baker, M. I. T. 1878, a member of the firm of Chase and Barstow, brokers, to whom the order was given in recognition of the aid he rendered Count Kaneka, who represented Japan's financial interests in this country during the Russo-Japanese war.

## BIG FUTURE FOR CHEMICAL FIELD

Dr. Nichols Says Chemistry Will Reach Importance of Engineering

INSTITUTE COURSES

Aim is to Give Broad Training—Demand for Men Greater Than Supply

By Dr. H. P. Talbot.

In a recent speech Dr. W. H. Nichols, President of the General Chemical Co., made the statement that, in his opinion, chemistry and chemical engineering are destined to play a part in the development of this and other countries during the next fifteen to twenty years equal to that which electricity and electrical engineering have played in the recent past, and that there is no apparent reason why this country should not become pre-eminent in this field of development.

Dr. Nichols is eminently qualified to speak with authority, and he is by no means alone in his predictions regarding the future importance of chemical science, both pure and applied. The service which chemistry can render in the development of the commercial interest of this country, in particular, and also in the safeguarding of the welfare and comfort of municipal communities, has been very inadequately appreciated, and but little utilized. Increasing pressure of competition, with simultaneous increase in the demands for the refinement of products on the part of the consumer, have called attention to the need of a more accurate control of raw materials, conditions of manufacture, and finished products, and all this is largely the task of the chemist. Added to these are two other factors which are equally or more important, namely, the necessity for greater economy in the consumption of raw materials, fuels and the like, and a greater public demand that waste materials shall be so disposed of as not to become a source of offence or harm to others.

But it is not within the confines of our present chemical knowledge that the greatest development is to be expected. Chemical changes at high temperatures have been only slightly investigated as yet, and those at low temperatures are still less known. The influence of catalytic agents, the role of the colloids, the utilization of the energy of radio-active bodies, are a few of the potentially important—but still relatively undeveloped—factors in the chemistry of the future, not to mention the many fundamentally important principles which are being worked out along the border line between physics and chemistry, nor to consider, in the light of the experiences of recent years, the probability of the discovery of now unthought of phenomena of equal import.

In these predictions for chemistry as a science are to be realized, it can only be thought the utilization of an increasingly large number of trained men. These must be in part teachers whose duty and keen pleasure it is to educate and train others in order to maintain the supply of men; others must be trained for efficient service in the development of the science as investigators, not alone in institutional laboratories, but in government and technical laboratories of research, of which an increasing number must be established and which offer most attractive opportunities for productive effort in advancing the confines of both pure and applied science. The control of sanitary conditions also demands many and able workers, and broad opportunities are open before the capable man in this field. The course in chemistry has been carefully planned to provide for these and other lines of work, for which a fundamental chemical training is re-

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## SOPHS WHITEWASH FRESHMEN RIVALS

First Game in Inter-Class Series Results in 1911 Victory

NO HITS OF GLAZE

Fielding and Bating of 1912 Team Is Very Weak—Hufsmith Excels for 1911

1911 yesterday took the first game of the sophomore-freshman series by a score of 7-0. The playing of both teams was ragged at times, but the sophomores managed to win out by bracing up in tight places.

Several times the freshmen failed to score because of the star playing of Hufsmith. The game was practically won in the first inning. Hufsmith was hit by a pitched ball and stole second. A single by Odell and a triple by McLoughlin scored two runs.

The summary:

1911	bh	po	a	e
Capt. Hufsmith, 2nd	1	0	4	0
Odell, 1st	1	12	0	0
O'Neil, 3rd	0	1	2	0
McLoughlin, cf	1	2	0	0
Williams, c	0	10	0	0
Parker, ss-p	1	1	0	1
Harrington, lf	0	1	0	0
Metcalf, rf	0	0	0	0
Glaze, p-ss	1	0	5	2
Totals	5	27	11	3

1912	bh	po	a	e					
McAvoy, 2nd	1	0	0	1					
Eicher, ss	0	0	1	1					
Chery, c	0	8	0	1					
Foster, 3rd	0	0	0	0					
Allen, cf	0	2	0	0					
Torrey, 1st	0	7	0	1					
Coulson, lf	1	3	0	0					
Sloan, p	0	2	4	1					
Taylor, rf	0	2	1	0					
Totals	2	24	6	5					
Innings.	1	2	3	4	5	6	7	8	9
1911	2	0	0	0	3	1	1	x	7

Runs:—Hufsmith, Odell 2, Williams, Parker 2, Metcalf.

## TWO ANNUAL DINNERS

Two of the professional societies hold their annual dinner tonight.

The Mining Engineering Society will have its dinner at the Lombardi Inn tonight at 6:30. Mr. Edmund Billings of the Boston Civic League, who was sent over to Messina at the time of the earthquake in order to manage the Massachusetts fund, will speak on the earthquake probably from a geographic standpoint. Profs. Richards, Warren, Locke, Bugbee, Hofman and former Prof. Lodge will be present and are expected to speak.

The Chemical Society, too, will hold its annual dinner tonight at 6:30 in the two upper rooms of the Union. Drs. (Continued on page 4.)

## CALENDAR

WEDNESDAY, MAY 12.

4:15 P. M.—Lecture on Wireless Telegraphy, 22 Walker.

5:00 P. M.—Senior Portfolio Committee, Union.

5:15 P. M.—Dining Room Committee, Union.

6:30 P. M.—Chemical Society Dinner, Union.

7:00 P. M.—Mining Eng. Society Dinner, Lombardi Inn.

THURSDAY, MAY 13.

4:30 P. M.—Class Day Committee, 11 Pierce.

FRIDAY, MAY 14.

4:15 P. M.—C. E. Society Meeting, 11 B.