

THE TECH

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PRICE THREE CENTS

BASKET BALL STARTS TODAY.

SCHEDULE COMPLETED. FIVE MEMBERS OF THE TEAM ARE BACK THIS YEAR.

Kanally will Coach the Team.

This afternoon the basketball season opens with the first regular call for candidates. Practice starts at the gymnasium at 4.30 o'clock.

Last year the basketball team did very good work scoring 302 points during the year against 430 scored by their opponents. All of the games were very close and a great many were played against very strong teams.

Philip M. Wentworth 1908, is captain of the team this year. Last season he played a fine game at guard and he will probably occupy the same position again. Charles W. Whitmore 1908, has been re-elected manager of the team, and has nearly completed the schedule for the year. Five members of last year's team are back at the Institute this year. They are Captain Philip M. Wentworth, 1908; Newman B. Gregory, 1908; William J. Pierce, 1908; Russell H. Nichols, 1909; and Edward L. Cahill, 1910. These men will make a team in themselves, and with some of last year's substitutes to work in as second men, the prospects look very encouraging.

The track coach, Frank M. Kanally, will coach the team this year. In addition to his work on the cinder path he has had a great deal of experience in basket ball. He will take up the work actively at the close of the Cross Country season, which concludes with the Inter-collegiate meet at Princeton on November 27th.

WENTWORTH AND PARKER WIN DOUBLES

Singles Well Under Way.

Philip M. Wentworth and T. B. Parker easily defeated P. R. Fanning and C. Scheuer in the finals of the Fall Tennis Tournament doubles. The singles have been dragging along for a good while and are not yet completed.

Owing to the poor condition of the courts at Tech Field a great many of the matches were played on outside grounds. This has occasioned considerable delay.

The summary of the matches played to date follows:

Doubles:

Preliminary round:—Wentworth and Parker defeated McClintock and Shell, 7-5, 3-6, 6-3. First round, Wentworth and Parker defeated V. B. Whittemore and partner, 7-5, 6-3. P. R. Fanning and J. Scheuer defeated M. O. Price and D. V. Williams 6-1, 2-6, 6-2. Final round, Wentworth and Parker defeated Fanning and Scheuer 6-3, 6-1, 6-2.

Singles:

Preliminary round:—D. V. Williams defeated M. C. Sherman, 6-3, 6-3; P. M. Wentworth defeated H. Lockett, 6-4, 6-3; H. F. Shan defeated E. S. Russell 8-6, 6-4; H. R. Draper defeated M. D. Price 7-5, 6-3; H. S. Cornell defeated B. Dewey 6-4, 5-7, 6-4; F. W. Corill defeated H. H. Whithead 6-2, 6-4; T. B. Parker defeated S. Scheuer 6-3, 6-4; P. R. Fanning defeated H. S. Howard 6-1, 6-3.

First round:—L. Coffin defeated C. S. Williams 6-1, 6-4; D. V. Williamson defeated I. T. Haslan, 6-3, 6-3; Wentworth defeated Shaw 6-4, 8-6; Draper defeated Cornell 6-1, 6-2; Parker defeated Corill 6-2, 6-1; A. R. Knipp defeated W. B. Myers 6-2, 4-6, 6-3; M. T. Whiting defeated J. B. Whittemore 7-5, 6-1.

Second Round:—Coffin defeated Williamson 6-4, 6-4; Whiting defeated Knipp 7-5, 6-1.

MODEL OF INSTITUTE ESTABLISHED.

The Nova Scotia Technical College, modeled after the Institute, will be established in Halifax. Work will commence as soon as the building and plant are ready. It will be established and maintained by the provincial government and tuition will be practically nothing.

TECH GRAD BEGINS LOWELL LECTURES TUESDAY.

PROF. CALKINS TO TALK ON PROTOZOA.

Is Tech 1890 Man, and Now Professor at Columbia.

Professor Gary N. Calkins, Ph. D., graduate of the Institute in the Class of 1890, will open tomorrow evening an interesting series of lectures before the Lowell Institute, on "The Protozoa."

They will be: The lowest Forms of Animal Life, Nov. 12; Habits and General Physiology of the Protozoa, Nov. 15; Protozoa and Protoplasmic Old Age, Nov. 19; Protozoa and Problems of General Biology: Fertilization and Growth, Nov. 22; Protozoa and Parasitism, Nov. 26; Protozoa and Pathology: Malaria and Sleeping Sickness, Nov. 29; Protozoan Parasites of Dysentery, Hydrophobia, and Smallpox, Dec. 3; Some Doubtful Protozoan Diseases, Dec. 6.

To be given in Huntington Hall at 8.00 P. M. Doors open at 7.30, and close at 8.00 o'clock. Tickets may be secured free of charge, at the office of the Lowell Institute, 491 Boylston street, or by applying by mail to the Curator of the Lowell Institute, 491 Boylston street, Boston, enclosing a stamped, addressed envelope.

Professor Calkins is known all over the country as one of the top rank men in biology and protozoology. He was for several years professor of invertebrate zoology at Columbia University, and was appointed last spring to the new chair of protozoology at the institution. This new professorship is the first of its kind in the United States and the second in the English speaking world. The first in University College, London, was founded only last year.

Professor Calkins has published the best general work in English upon the Protozoa, the lowest form of animal life, besides many special papers and monographs. He is regarded as the highest authority on Protozoology in the country, and has made important discoveries upon the probable parasitic origin of the cancer, discoveries that have aroused everywhere the keenest interest of medical and sanitary experts.

1896 ISSUES "DECENNIAL CATALOG."

Is Handsome and Well-Edited Book with Statistics and Information.

The "Decennial Catalogue" of the Class of 1896 has just been issued. It contains an account of the '96 decennial celebration at Ipswich, the class constitution, statistics, and the class record. The book is late because requests for information were not answered promptly. Besides being of great interest to '96 men, the book should engage the attention of any undergraduate since it gives him an idea of his probable condition ten years after graduation.

After the foreword, in which the committee on publication tells of its troubles in getting men to fill out the information blanks, is an illustrated account of the '96 decennial celebration held June, 1906, at Ipswich. There a number of the class of 1896 spent some enthusiastic days renewing their youth and class spirit. Next is given the constitution, which seems well fitted to keep the class together.

The statistics are of interest. Of the class seventy per cent. are married. Men sent the amounts of their incomes in secret envelopes. The smallest salary is \$728; the highest, \$20,000; for specials, \$3,548. No comparison has been made with respect to courses, in fact nowhere has note been made of a man's course. One man in the class is a Mormon.

The class record contains the individual record of each member of the class. This data such as occupation, public honors, etc., is of special interest to '96 men. On the last page is the necrology.

On the whole the book is exceptionally handsome and well edited and is a noteworthy example of what a class can do to keep its members together after graduation by keeping up their interest in the class and the Institute.

FIELD DAY NIGHT NOT DESIRABLE.

SO SAYS PRESIDENT NOYES.

Field Day Dinner at Union Enthusiastically Attended.

Saturday night, the Field Day participants met in the best of good-fellowship at the Union. Class prejudices were forgotten, and after a fine dinner and excellent speeches from Pres. Noyes, Dean Burton, Major Wheeler, and Prof. Talbot, everyone joined in singing, led by the jovial toastmaster, Major Briggs.

Major Briggs presented the football used in the Field Day game to Capt. Manson, who accepted it with a short, fitting speech.

Then came the fine old custom, the passing, from hand to hand, the Field Day Cup, each man drinking and giving his name and numerals. Pres. Noyes, the first Tech president from Technology drank first.

The addresses given were most interesting, showing that the Institute has men from every part of the country and world.

The addresses and numbers were from Boston 6, Belmont, Brookline 6, Cambridge 4, Dedham, Dorchester 7, Easton, Haverhill, Holyoke, Hyde Park, Jamaica Plain, Lowell 2, Milton, Natick 2, Newburyport, Newtonville, New Bedford, Pittsfield, Somerville, South Boston 3, Springfield, Taunton, West Newton 4, Winchester, in Massachusetts:

From outside of the state: Baltimore, Chicago 4, Florida, Hartford (Conn.) 3, Helena (Mont.), Indiana, Kansas, Kentucky, Los Angeles, Michigan, Missouri 2, New York 8, New Jersey, Norfolk (Va.), Ohio 3, Pennsylvania, Salt Lake City, Seattle, Texas, and Wisconsin. From outside the country, Canada, Ireland 2.

President Noyes spoke in favor of the athletic system at the Institute. For the faculty he said, "While many of us believe in Field Day, few of us believe in Field Night. The mere fact that the hoodlums of Jamaica Plain and Brookline took this as an occasion upon which they could mingle upon an equal basis with Tech men, is sufficient ground for our feeling against it."

Dean Burton compared the old-fashioned college life with the ideal life at the Institute; the irresponsibility of the average college undergraduate with the self-responsibility desired here; and expressed the wish that the ideal might lead to a less undesirable "night before" next year. Major Wheeler spoke of the value of physical training both to body and mind.

Major Briggs and Prof. Talbot spoke of their interest in athletics, and joined with the previous speakers in the appeal for the abolishment of the Field Night combat.

23 MEN OUT.

Hares and Hounds have Rough Run in Fells. Fast Finish.

Twenty-three men went out on the Hare and Hound Chase from the Malden Y. M. C. A. Saturday afternoon. Eames 1908 and McCreddie 1911 laid a six and one-half mile trail over very rough ground through the Fells.

The hounds were divided into two squads, the fast and the slow. In the former were the cross country men.

A very close mile race was run to the finish, the first six men finishing in the order: Howland '08, Ellis '09, White '11, Batchelder '08, Stephenson '09, and McCarthy '09.

Ellis and Stephenson found the bags. Time of hares:—44 min. Time of hounds:—47 min.

1906 CHANGES IN ADDRESS.

H. S. Bailey, 226 11th St., S. W., Washington, D. C.

R. J. Barber, Globe Optical Co., 403 Washington St., Boston.

L. Bent, Independent Powder Co., Carthage, Mo.

Arthur W. Cheney, 53 E. 75th St., Chicago, Ill.

HAS FINE LOCOMOTIVE TESTING MACHINE.

RAILROADS LOOK TO PURDUE FOR RECENT DEVELOPMENTS.

A Railroad Museum Started With Many Engines and Models.

Purdue University has a splendid reputation with railroad men. The world of railroad engineering as a general thing looks there for the latest developments in locomotive work. One reason for this is that Purdue has in the equipment of its mechanical engineering department a railway museum and a plant of progressive design that has attracted much attention, the locomotive testing plant. Also at Purdue is a modern automobile testing plant.

The locomotive testing plant is equipped to take a locomotive so that its action may be studied and its performance tested at any speed and load under track conditions. When mounted in the testing plant the locomotive is fired and controlled precisely as if it were on the road.

The details of mounting are: 1, supporting wheels for the drivers; 2, brakes acting on the supporting wheels; and 3, a traction dynamometer to indicate the pull exerted by the locomotive. All parts of the mount are adjustable to receive any locomotive whatsoever, and the plant is in track connection with the Lake Erie and Western R. R. Thus far, four different locomotives have been tested and from time to time others will be available for the use of students.

The friction brakes, four in number, (Continued on page 2.)

ALUMNI.

'06 Man Instructor at Y. M. C. A.

Ex-'04 Man Marries.

S. E. Gideon, '06, instructor in mechanical drawing, will take charge of architectural drawing at the evening classes at the Boston Y. M. C. A. this winter.

Miss Edna A. MacRobert, daughter of Mrs. Fitz E. Riggs of Gloucester, was married on Nov. 2 to Willard V. Morse, ex-'04, of Anguascalientes, Mexico. Mr. Morse was taking a special course at the Institute in mining engineering in 1902. The bride is a graduate of Smith College, '06. Mr. and Mrs. Morse left for Mexico where the former occupies a responsible position as superintendent of the American Refining and Smelting Company at Anguascalientes.

PRESENTS LANTERN OF IMPROVED PATTERN.

Mrs. Pickering Has Made Generous Contributions to Tech.

Mrs. Henry Pickering, who has previously made generous contributions to the Dormitory Fund and to the libraries of the Institute, has presented Technology with an electric projection lantern of the most improved pattern, which will soon be permanently installed in Huntington Hall.

MRS. RICHARDS ADVISES ALUMNAE.

Tells Women to Cultivate Reliability in Engagements.

Mrs. Ellen H. Richards of the Institute spoke at the Public Library before the members of the Association of Collegiate Alumnae last week. She said, "Reliability in business engagements and reverence of law must be impressed upon the girl students of today to fit her for the work of tomorrow. The most desirable tendency for professional and technical women of the next twenty-five years to cultivate is that of honorable fulfillment of her engagements even at a cost to herself. She should not make them lightly, but having undertaken a piece of work she should feel the full responsibility of carrying it out to the end."