



# THE TECH

VOL. XXXV. NO. 20.

BOSTON, MASS., MONDAY, SEPTEMBER 27, 1915

PRICE THREE CENTS.

## TWO TECHNOLOGY MEN ON NEW NAVAL BOARD

Institute Graduates on Advisory Board With Other Men of Science.

At the recent appointments to the Naval Advisory Board, Willis Rodney Whitney, M. I. T. '90, and Lawrence Addicks, M. I. T. '99, were elected to serve as associates with Thomas Edison, Orville Wright, Henry Ford, etc.

Mr. Whitney is the Director of the Research Laboratory of the General Electric Co. at Schenectady. He is a graduate of Course V of the Institute and also received a Ph.D. at Leipzig in 1896. For a time he was Associate Professor of Theoretical Chemistry at the Institute. He was President of the American Chemical Society in 1910 and of the American Electro-Chemical Society a year later. He is a member of the American Society of Testing Materials, the American Institute of Mining Engineers, of the Chemique de Paris, and of the American Society of Arts and Sciences.

Mr. Addicks is a metallurgical engineer and was recently made the President of the American Electro-Chemical Society. After graduation he worked in a Mexican copper mine and was later assistant superintendent of the copper works at Raritan, N. J. For nine years after he was chief engineer and then superintendent of the U. S. Metal Refining Co. He is a member of the American Society of Mechanical Engineering, the American Institute of Mining Engineers, American Society For Testing Materials, International Society For Testing Materials, and is an associate member of the American Institute of Electrical Engineers. At present he is with the Phelps-Dodge Co., conducting experiments on low grade copper ore at Douglas, Ariz.

## T. C. A. SOCIAL FRIDAY

Among Speakers Will Be Dean Burton and Undergraduates.

The annual freshman reception given by the T. C. A. will be held next Friday evening in the Union. There will be an entertainment and refreshments will be served. Dean Burton and several prominent undergraduates will speak. These men will explain the various activities. Those upperclassmen who are advisors will be on hand in order to meet their men.

## INSTITUTE COMMITTEE

The first meeting of the year will be held Thursday afternoon at 5 o'clock in 8 Engineering C.

## FOURTH SEASON FOR CAMP OF PRACTICAL SURVEYING

Technology, Maine, A Busy Community During Seven Weeks Of Outdoor Summer School--- Railroad Is Put Through.

The 30th and busiest session of the Summer Camp of Surveying, held for students of courses I, XI and XV, option I, took place this year from July 27th to September 17th, inclu-



DEAN ALFRED E. BURTON  
The Founder of Summer Camp

sive. This is the fourth year of the permanent school at Gardner's Lake near East Machias, and henceforth the Institute property is definitely placed on the map as Technology, Washington county, the U. S. Post

Office Department having officially recognized the settlement through the establishment of a sub-postoffice.

The school opened with a registration of 93 students and the total number of inhabitants was 121, including professors, instructors and employees. No serious accidents occurred during the seven weeks and but one man was removed from camp on account of sickness.

The work done since 1912 was carried on to good advantage and many of the heretofore unmapped streams and lakes were plotted. The country in the immediate vicinity is unsettled and the location permits much original surveying. It is intended that the accumulated results will be incorporated into the future government map of the section. Such was the case, when, in the early history of the school, a survey of the country about Mt. Moosilauke, N. H., was made under the direction of Professor Burton. This work was recently made the basis of a U. S. Geological Survey map of the same region.

Professors and alumni agree that Technology is an ideal location for the camp. It is secluded and healthy and yet affords remarkable opportunities for practical work in all branches of surveying and hydraulics. The site, comprising about 850 acres, was purchased principally through the efforts of Albert E. Bemis, '93, after whom Bemis Hall, the "Tech Union of the Summer Camp," was named. The buildings, consisting of the drafting room, Bemis Hall, the dining room and the kitchens in one

(Continued on Page Six)

## TRACK TEAM WORK TO BEGIN TODAY

First Freshman Relay Practice—Cross Country Men Are Called Out.

The first workouts on the new track and field for the fall season will take place this afternoon. Coach Kanaly wishes all men who intend to take up track work this year to come out at their earliest opportunity. The cross country team will start practice today.

The coach wishes to impress upon the entering freshmen the importance of coming out at once for practice on the Field Day relay team. Tryouts will begin today at four o'clock at the Field.

## LIBRETTOS DUE FRIDAY

Preliminary Criticism Will Be Offered.

Books for Tech Show 1916 will be received at the Show office in the Union on Friday afternoon after four o'clock. It is not essential that librettos submitted at this time be complete as they will be returned shortly for revision and completion.

The first meeting of the management is to be held at five o'clock this afternoon, when the dates for the competitions will be decided.

AN ARTICLE OF PARTICULAR INTEREST TO NEW STUDENTS WILL BE FOUND ON PAGE FIVE OF THIS ISSUE.

## CALENDAR

Monday, Sept. 27, 1915.

- 1.00—President Maclaurin's Address to new students. Huntington Hall.
- 4.00—1919 Relay practice. Field.
- 4.00—Cross-Country Practice.
- 5.00—Show management meeting. Show Office.

Tuesday, Sept. 28, 1915.

- 1.00—News Meeting of all men on The Tech. Lower Office.
- 5.00—Cosmopolitan Club Officers and Executive Committee Meeting. Room B. Union.
- 7.45—Athletic Advisory Council Meeting. Engineers Club.

Thursday, Sept. 30, 1915.

- 5.00—Institute Committee Meeting. 8 Eng. C.
- 5.00—Rifle Club Meeting. 26 Rogers.

Friday, Oct. 1, 1915.

- 5.00—Tech Show 1916 Books due. Show Office.
- 7.00—T. C. A. Social. Union.

Saturday, Oct. 2, 1915.

- Hare and Hounds run. Newton.

## BLANKET TAX NOTICE.

At a meeting of the INSTITUTE COMMITTEE, held May 11, 1915, it was voted that every student be assessed the sum of three dollars (\$3.00), to be known as a BLANKET TAX, and upon payment of which he is to be admitted free to all athletic contests, with the EXCEPTION of the HOCKEY GAMES.

This tax is DUE and PAYABLE AT ONCE, and may be paid either at the BURSAR'S OFFICE or to any of the various student collectors.

## BLANKET TAX COMMITTEE,

CHAS. W. LOOMIS, Chairman  
J. P. UHLINGER  
D. B. WEBSTER

# THE TECH

Entered as second-class matter, Sept. 16, 1911, at the postoffice at Boston, Mass., under the act of Congress of March 3, 1879.

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MONDAY, SEPTEMBER 27, 1915.

On behalf of Technology The Tech welcomes the Class of 1919 will all the ardour and sincerity which prevails among the students of this beloved institution. It is a welcome that is profoundly congratulatory since you freshmen are to share in the traditions which are so dear to all Technology men. Today, in President's Maclaurin's address, you will get your first glimpse of the spirit which lies behind Technology, and there is not a man among you who can afford to miss this first milestone in his Institute life. Henceforth you have dedicated your lives to cooperate in the great work which the President has so clearly defined: The Massachusetts Institute of Technology—to train men liberally to be leaders in engineering, architecture, and science, and to give them the will and the power to serve the state by the scientific method and with the scientific spirit.

### TECHNOLOGY MONTHLY

The first issue of the Technology Monthly and Harvard Engineering Journal will be on sale in about ten days. The number will be of particular interest and a large sale is looked for.

Positions on the Monthly board are obtained entirely by competition, and are open to all undergraduates. The work comes under three departments: business, editorial and managing. No previous experience is required. The office is on the third floor of the Union and the management requests all men, especially freshmen, who are interested in trying out for positions to call there any day between 1.30 and 2.00 p. m.

### PROFESSOR WARE DIES DURING THE SUMMER

#### One Of The Pioneers Of American Architectural Education And Style.

The death of Professor William Robert Ware, who planned and organized the first school of Architecture ever established in the United States—that of Technology, which opened in 1866—occurred during the summer.

Graduating from Harvard in 1852, he received a degree of bachelor of science in 1856, and was honored by the University with the degree of J.L.D. forty years later. He began his practice of architecture in Boston in 1860 and continued the work of his profession until he was called to New York in 1881. Many houses in the portion of Boston which was built in these two decades show the refined quality of his design, and Harvard is indebted to him for its Memorial Hall. In 1865 he began the development of the Institute's school of Architecture and continued in this work until 1881 when he was called to the chair of Architecture at Columbia where he again founded a school, at the head of which he remained until he retired as Professor Emeritus in 1903.

Many of the most distinguished architects in America were his pupils, and all have honored him. His interests were world-wide, the architectural profession having recognized him by constituting him an honorary member of the Royal Institute of British Architects and a member of the National Academy of Arts and Sciences. In speaking of him Cass Gilbert, '80, has said: "My memory of Professor Ware is of a loving, gentle, kindly friend, a safe guide, a wise counsellor and a most charming companion. It is not too much to say that in his long life and career he was one of the most potential factors for good in American architecture."

### WESLEYAN CONFERENCE

#### Chinese Students Of M. I. T. Win Special Honors.

Chinese students from the Institute won first place in the track meet held Aug. 30th at Middletown, Connecticut. The event took place in connection with the 11th annual conference of the Chinese Students' Alliance. The M. I. T. team won first place with 42 1-2 points. The University of Chicago was second with 30 points and Cornell third with 16. S. S. Kwan, '18, of Technology, and W. K. Chang of Chicago were the individual stars, each scoring 27 points.

In a debate carried on in the Chinese language the Cornell team defeated Technology. The proposition was: "Resolved, that China should use the Boxer fund for sending students abroad toward the development of higher education at home." Cornell upheld the negative side. Y. T. Chang of M. I. T. won a silver cup and a gold medal in the individual awards.

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## FACULTY CHANGES AT TECHNOLOGY

### Appointments And Promotions Announced For The Coming Year.

In consequence of the retirement of Professor Arlo Bates, for twenty-two years a member of the English department at Technology, Professor Henry G. Pearson will become the new head of the department of English. Professor Pearson graduated from Harvard in 1893, and has been teaching at the Institute since that time. He is the author of the "Principles of English Composition."

President MacLaurin announces the resignation of Assistant Professor Harold A. Everett, of the Department of Naval Architecture and Marine Engineering. Professor Everett graduated from the Institute in the class of 1902, and after a year or two of special work with several shipbuilding concerns, took up his work as instructor at Technology. Mr. Everett has developed a number of new methods and devices for yacht measurements, having suggested the use of ordinary surveying methods for the determination of the lines of vessels on the ways. Mr. Everett is leaving his present post to become professor of marine engineering in the post-graduate department of the United States Naval Academy at Annapolis.

In the department of Economics and Statistics, the establishment of the course in engineering administration has made necessary a further increase in the instructing staff. The new member is Mr. Harry R. Tosdal, of Iowa. Mr. Tosdal has made a study of economics under Professors Bucher and Stieda, of the University of Leipzig and also at the University of Berlin.

Other appointments made for the present year are the following:

H. Langford Warren, lecturer on architectural history.

George Owen, (M. I. T. '94), assistant professor of naval architecture.

Royal M. Frye, A. B., instructor in physics.

Charles H. Calder, Horatio M. Lamson and Joseph C. MacKinnon, assistants in physics.

Elwyn E. Snyder, Jr., assistant in industrial chemistry.

Evers Burton, assistant in naval architecture.

Thomas H. Huff, assistant in aeronautical engineering.

George W. Simons, Jr., Howard C. Thomas and Andrew N. Wardle, assistants in civil engineering.

Horatio W. Brown, assistant in mechanical engineering.

Rupen Eksergian and Leon H. Webber, research assistants in electrical engineering.

Miss Helen Almy and Miss Cornelia S. Love, cataloguers in electrical engineering department.

Charles G. Cook and Otto E. Plath, instructors in modern languages.

C. J. Spear, assistant in physical training.

William E. Brown, instructor in public health administration.

## NEW CLUB FORMED

### Alumni In The Far East Form An Organization in Shanghai.

A new member has been enrolled on the list of Technology Clubs, The Technology Club of China. Monthly luncheons are held on the first Saturday of each month at the Carlton Cafe in Shanghai. The officers are: W. W. Stevens, '98, representing the Standard Oil Company of New York, president, and W. A. Adams, '08, China Realty Company, Ltd., 39 Nanking Road, Shanghai, secretary.

## TECHNOLOGY CLUB

On account of the removal of the Institute to Cambridge in the near future and the opportunity of disposing of the Newbury Street clubhouse at an excellent price, the Technology Club of Boston has decided to avail itself of the offer made by the Engineers' Club of the use of its clubhouse. The Technology Club still has its charter of incorporation, its full complement of officers, and exists in every sense except that it has temporarily transferred its members to the house of the Engineers' Club, located at No. 2 Commonwealth avenue.

### "BIBLES" AGAIN MAKE THEIR APPEARANCE

### Freshman Advisors At Work In Rogers—Call For English Instructors.

The Technology Christian Association began its official work for the year by assisting at the registration of students, particularly new men. The Tech "Bibles" were given to all students and copies of this handbook have been sent to all freshmen. This year's edition of twenty-one hundred copies has been published by the T. C. A. workers alone, unassisted by the Boston Y. M. C. A., as they have been in former years. The books this year have excited much favorable comment from upperclassmen, who pronounce them a great improvement on the previous editions.

The first call for volunteers for T. C. A. work has as its object the securing of about ten men to teach English to Cambridge factory workers. The work will require about two hours a week to be spent at a night school near the new Institute buildings. No knowledge of the pupils' language is required. The teaching is of the most rudimentary nature, objects being used almost wholly. The work begins next Thursday, making a prompt response to the call for volunteers desirable.

A meeting of the T. C. A. workers was held yesterday from 3 to 9 o'clock at the Boston Y. M. C. A. The purpose of this meeting was to outline the coming year's work and to assign to each committee its duties.

## FACULTY NOTICE

Organic Chemistry II (552)—All persons intending to enter this course are requested to meet me on Wednesday at four o'clock in Room 24 Walker. Hours for exercises during the term will then be selected.

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### ARROWROCK DAM NEAR COMPLETION

#### Highest Dam In The World Built Under The Charge Of Technology Man.

The Arrowrock dam near Boise, Idaho, of which Charles H. Paul, '96, Course I, is construction engineer in direct charge, is practically completed and has been in service during the irrigation season of 1915. This dam provides stored water for use in the irrigation of lands adjacent to Boise, Nampa, Caldwell and other towns within the limits of the Boise Project of the United States Reclamation Service.

The Arrowrock dam is the highest in the world, having a height of 348.5 feet from the lowest point in the foundation to the top of the parapet. It is 1100 feet long on top, contains 585,200 cubic yards of concrete and its crest carries a roadway 16 feet wide. The dam has a gravity section and is built on a curve of 660 foot radius. The spillway consists of a run 400 feet long and a concrete-lined discharge trench approximately 900 feet in length with a capacity of 40,000 second feet. In the run and trench lining are 25,400 cubic yards of concrete, all of which is reinforced.

This spillway run carries a movable crest of unique design which permits the storage of water six feet higher than the fixed crest, but drops automatically, very slowly, in case of flood, so as to give the full capacity of the spillway when needed, and rises automatically again when the flood has passed.

A log conveyor with a capacity of 1,000,000 feet per day permits the passage of logs to the mills below. These logs are hoisted to the top of the dam by a cable lift and taken to the river below the dam through a reinforced concrete chute 650 feet long, the upper 400 feet of which carries a bull chain with spurs or teeth set to hold against sliding. This carries the logs down a 62 1/2 percent slope and delivers them to a gravity chute through which they pass to the river. It is estimated that there is three billion feet of timber in the Boise Basin above the dam that must be handled in this way.

Preliminary to the construction of the dam it was necessary to construct a standard gauge railroad 17 miles long from Barber Junction on the Oregon Short Line to Arrowrock. This railroad has been in operation four years, and in that time it has carried 80,000 passengers and about 14,000,000 ton miles of freight. It is the only railroad in the country operated by the federal government and all tickets carry the signature of President Woodrow Wilson in facsimile.

A 3000 horse-power hydro-electric power plant was built to furnish power for the operation of the construction plant. This has furnished all the electric power needed for construction purposes, and in addition considerable of its surplus output has been sold to local companies. Its total output since May, 1915, has been almost 20,000,000 K. W. hours.

A sawmill was operated for almost two years in the timber about 17 miles above Arrowrock, and this fur-

nished 6,750,000 feet, board measure, of lumber, all of which was used for the building of the construction camp at Arrowrock, and to fill miscellaneous requirements on the work.

The excavation for the dam extended 90 feet below the river bed to the granite foundation, and a diversion tunnel 500 feet long with a cross section 30x25 feet carried the river around the work until the construction was far enough advanced to start the storage of water.

Regulating outlets in the dam are 20 in number, each being four feet and four inches in diameter. They are controlled by a 58-inch balanced needle valve on the upstream face of the dam. They are arranged in two sets of 10 each, the upper set being 150 feet above the river bed. Five sluicing outlets, each controlled by a 5x5 foot sliding gate, are also provided at river level. All these outlets are operated from control chambers inside the dam.

A system of inspection galleries of which the control chambers are a part give access to the dam at several elevations, the lowest of which is 230 feet below normal high water surface in the reservoir. The capacity of the reservoir is 244,300 acre-feet, or about 79,600,000,000 gallons. This reservoir is 18 miles long and extends up two forks of the river. When needed for irrigation the water is carried down 12 miles in the channel of the river to a low diversion dam and from there taken out over the land through a network of canals and laterals. In this way 234,000 acres of sagebrush desert is to be converted into gardens, orchards and farms.

The excavation amounted to 683,000 cubic yards, 1,350,000 pounds of reinforcing steel were used, and the gates and structural steel work required 1800 tons.

### FRESHMEN TO MEET IN HUNTINGTON HALL

#### President Maclaurin To Address The Class—Plans For Field Day.

Today at one o'clock in Huntington Hall the first meeting of the Class of 1919 as a body will be addressed by President Richard C. Maclaurin. Following this the meeting will be turned over to Walter Harrington, '17, the Temporary Chairman of the freshman class, who will explain the plan of government for entering classes as adopted and used for the first time with the 1918 class. The matter of the adoption of the uniform class constitution will be brought up.

Announcements will be made concerning the various Field Day teams and the time at which candidates can report for them as well as plans for the freshmen dinner.

### RIFLE CLUB NOTICE

The first meeting of the Rifle Club will be held Thursday afternoon at 4 o'clock in 26 Rogers, for all men except freshmen. The following Wednesday afternoon a meeting of all freshmen interested will be held immediately after drill in the armory.

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# FIELD DAY

## HOW IT ORIGINATED AND WHAT IT IS.

(This is the first of a series of articles of particular interest to freshmen. Succeeding articles, which will appear in future issues, will contain histories and detailed explanations of the various prominent activities of the Institute.)

The final cane rush between the freshmen and Sophomore classes occurred on November 15, 1900. The rush was much the same as in former years, the freshmen being given possession of the cane, while the second year men attacked their formation with flying wedges. The scrimmage lasted for fifteen minutes and, as usual, the pistol shot to cease the struggle was a signal for the fiercest fighting. When the combatants were cleared away it was found that the 1904 men had won the rush with nineteen hands on the cane, while the freshmen only had eleven. At the bottom of the pile was the unconscious body of Hugh Chadwick Moore, '04.

In a class meeting held a few days previous to the Rush, Moore spoke briefly to his classmates, advising them not to stop the struggle when the pistol was fired as a signal to end the Rush. Following his own advice, he wrapped himself bodily around his end of the cane at the moment the shot was fired. The struggle at this point immediately became more enthusiastic. New men joined the struggling lower-classes and in some way Moore was thrown down beneath the pile, although still retaining his grip upon the cane. Those nearest asked if he was all right and received an affirmative reply, but when the upper-classes had succeeded in separating the mass of bodies around the cane, some one noticed the prostrate body of Moore. He was carried out unconscious and all efforts to revive him were unsuccessful.

Another freshman, Harold W. Sherrill, had to be carried from the field, suffering from a hemorrhage of both eyes and enlargement of the heart. His accidents were due to the strain suffered during the Rush caused by prolonged holding of the breath and the external pressure of the crowd. He was standing beside Moore on the cane and when the crowd in the center of the Rush fell, he tumbled on his side, thus avoiding the fatal results that might have occurred had he fallen on his back as Moore did. He was confined to a dark room for nearly a fortnight and never entirely recovered.

On the third of December the Institute Committee appointed a sub-committee to confer with the Advisory Council on Athletics concerning the question of substituting an athletic meet in place of the Cane Rush. The outcome was that it was "decided to make the field day events three in number—a football game, tug-of-war, and a relay race." The first suggestion was to have these events count three, five and three points respectively, but under the system in present use their values are four, two and three points respectively. This makes a tie impossible.

The first Field Day was held at "two o'clock, Tuesday, November 19th (1901), at Charles River Park." The Class of 1905, then freshmen, won the

day, by capturing the relay race and football game. Out of the twelve succeeding Field Days this race has always fallen to the Second Year men.

To stimulate rivalry a silver championship cup, now kept in the trophy case in the Union, was offered by an alumnus, Samuel Cabot. On it are a Technology seal and fifty panels, one of which is filled each year with the numerals of the winning Field Day team. An inscription around the base of the cup reads: "He Who Shuns the Dust and Heat of the Arena Shall Not Enjoy the Cool Shade of the Olive Branch of Victory."

The eleven members and six substitutes of each football team, the twelve members and two substitutes of the winning relay team, and the twenty-five members and two substitutes of the winning tug-of-war team all receive the right to wear their class numerals. In case of a tie in the football game or relay race the points are equally divided between the two teams. A tie in the tug-of-war is decided by an extra pull. Members of a class not winning either its freshman or Sophomore Field Days are not allowed to smoke a class pipe until their Junior year.

Tech Field, where practices for the relay teams and Field Day, itself, are held, may be reached from Rogers by going west on Boylston to Massachusetts avenue, turning to the right and following this street across the Harvard bridge. The new Technology buildings will be seen from the bridge and the field lies directly east of these. The places of practice for the football and tug-of-war team will be announced in Huntington Hall today at 1 o'clock at the meeting of the Class.

### ADVISORY COUNCIL

The first meeting this year of the Advisory Council on Athletics will be held at the Engineers' Club on Tuesday, September, 28, at seven forty-five p. m.

### COSMOPOLITAN CLUB

A meeting of the officers and executive committee of the Cosmopolitan Club will be held tomorrow at five o'clock in Room B of the Union.

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**SUMMER CAMP**  
 (Continued from Page One)

chain, and the new caretakers' house, built last fall, cost over \$12,000. They are situated on a high bluff overlooking both wood and water, and to the South, some fifty yards, are the 55 tents in three rows forming the "White City." Every convenience is given the students. The drafting room is furnished as well as any room in Eng. A, the dining room is as commodious as the Union and the members of the Faculty this year presented the camp with an upright piano. An adequate library is provided and a store contains the candy and tobacco demanded. The tents are roomy and comfortable, each being occupied by two men with two beds, a table, two chairs and clotheslines for equipment.

Professor A. G. Robbins was in charge of the curriculum this summer. Professor G. E. Russell took care of finances and Dean Burton had charge of the discipline. This was the latter's last year as Dean of the Summer Camp. While acting in this capacity he introduced numerous improvements, both in respect to the camp itself and, more particularly, in the student life. The government of the school was, through his efforts, entrusted to the hands of the men themselves. Various committees were elected and matters have run smoothly for some years as a result. The chairman of the council was C. E. Atkinson, '17, and the committees with the chairmen were: House Committee, F. S. Conaty, '17; Dining Committee, L. Cady, '17; Entertainment Committee, H. P. Eddy, Jr., '17.

The sports were in charge of D. E. Bell, '17.

The Camp day lasted from 6.30 to 5.30 with classes Tuesday and Friday evenings. Saturday afternoons were free. The bugle gave the students their meal calls at 7.00, 12.00 and 6.00 o'clock. Steward Colton had charge of the food department and his accounts show that a barrel of sugar lasted one week, 250 eggs were used for one breakfast, and 140 quarts of milk were consumed daily. The company brought 630 extra pounds of flesh back to Boston, the gain in weight per man being 7 pounds.

The work was done by sections of six students. In former years a theoretical railroad has been constructed from a branch of the Washington county railroad through the village of East Machias, but owing to the inability of the farmers to gather the hay crop early enough, the line this summer was run through the thickest part of the woods in back of the Camp. This gave the students some real work to do and chopping trees in the forest for a line with the transit provided plenty of out-of-door exercise.

**ATHLETICS AT SUMMER CAMP.**

Athletics received a large share of attention when the weather permitted. Baseball was greatly handicapped on account of much rain, but the season was by no means unsuccessful. A league was formed consisting of four teams from which a Camp team was selected. The latter met and defeated the Machias nine to the tune of 8 to 1, but on the whole the league games proved of

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In addition to baseball, the morning of Labor Day was set aside for contests which included swimming, rowing, running, jumping and weight-throwing events. W. C. Swain scored the most number of points with a total of 29, while "Jimmy" Doon was a close second with 22. Doon won all the running events in easy fashion, while Swain made a clean sweep of the weights.

The 100-yard dash was easy for Doon with A. M. Miller second and R. N. Gay third. Doon also walked away with the 220, but Hunt and Miller had a close fight for second, the former winning out by a narrow margin. The three-legged race was won by Doon and Atkinson with but little trouble, while Brooks and Clark finished second, and Gay and Hunt third.

Swain won the discus with a throw of 99 feet 7 inches. Miller was second with 95 feet 8 inches and Robinson third with 94 feet.

The shot-put was also won by Swain with a heave of 36 feet 8 inches, Hunt took second place with 32 feet and Hammond third with 31 feet 8 inches. W. C. Swain likewise won the hammer-throw by hurling the weight 123 feet. F. Swain, was second with 90 feet 3 inches and Miller third with a throw of 86 feet 6 inches.

D. E. Bell finished a strong first in the Marathon swim from High Head to the Camp wharf, a distance of 3900 feet. His time was 29 minutes flat. The 30-yard swimming race was easily won by "Bob" Gay, "Jimmy" Doon finishing second and "Mac" Angus third. The diving event, however, was hotly contested, for both Swain and Doon were declared tie and in the "dive-off" no award could be made.

The canoe-tilting event proved one of the most interesting on the program, Swain and Gay being the successful combination after two thrilling matches. The last contest of the day was the rowing race and, although Gay and Swain looked like winners at first, a broken oar proved disastrous, and Atkinson and Angus won out.

The open house on Labor Day proved as interesting as in former years. Many of the people of neighboring towns gathered at the Camp for the afternoon and the drafting room, prettily decorated with boughs and bark, was the scene of a merry party. The morning was given over to sports and the evening was spent in various pastimes.

The final event of the season took place in the Town Hall of East Machias. All seats in the house were taken and the Minstrel Show and Dance proved to be a fitting climax to the seven weeks' stay.

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