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# The Bates Student - volume 49 number 14 - May 6, 1921

Bates College

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Bates Greets New Hampshire's Track Team!

# The Bates Student.

VOL. XLIX. No. 14

LEWISTON, MAINE, FRIDAY, MAY 6, 1921

PRICE TEN CENTS

## BUKER WINS PENN. RACE

### Carries Garnet to International Championship In Two Mile Run

#### Victory Won By Sensational Sprinting Finish

#### World's Best Runners Left Behind--Time 9.25<sup>3</sup>/<sub>5</sub>

#### Luce and Farley Also Fought Gamely in Discus and Dash Events

#### Hampered by Poor Track Conditions Prevailing

#### Both Prepared to Flash in Tomorrow's Meet

#### TWO MILE RECORDS

World's Record,	9.09
Intercollegiate Record,	9.22 2-5
M. I. A. A. Record,	9.54 2-5
Bates Record,	9.25 3-5

"The little Bates lad was great, big, fine, wonderful; all those pulsating things together, and then some. Pure grit, from the feet up, he headed a field of New England beauties." Such is the manner in which Tom McCabe, the feature editor of athletics in the Boston Herald, describes Ray Buker, after his wonderful exhibition at the Penn relay carnival last Friday afternoon. But those words can serve only to stir up anew the joyful sensations felt by all as the bell on Hathorn Hall pealed out the message that the lad whom we had sent to represent the Garnet at Pennsylvania had won a glorious victory over the

best distance runners of America. After all, words are feeble, for no use of them has yet been able to picture the inward emotions we feel, when someone to whom we have allotted a most difficult task has accomplished it in a manner that is nothing short of marvelous. As the bell sounded the joyful news, our first impulse was that quiet, deep, stirring of the inner man that sends lumps into the throats and renders us unable to speak. Then comes the rush of pride for our champion and the pent-up emotions spring into a hilarious burst of enthusiasm and gratitude for the man who has brought us fame. Such were the feelings of every Bates man and woman last Friday night. Ray has brought an outstanding honor to our Alma Mater, an honor which is nationwide and for which we are greatly indebted to him.

Tom McCabe called it "Yankee pluck," but something way beyond that actuated the splendid lad in giving to us all the wonderful ability which he possesses. A steadfast purpose of bringing glory to Bates spurred him on. It surely took a great deal of some very high quality of courage for Buker to compete in the Penn games. These constitute the one big athletic carnival of the year and contestants of the highest reputation assemble and strive for the prestige which comes by winning a coveted first place. For weeks prior to the carnival the press had heralded such men as Nightingale of West Virginia, Furnas, the Purdue star, and Cecil Leath of New Hampshire State. Little did they foresee that a lad from "Bates College, way up in Lewiston, Me., un-called, unheralded, yes, even as late as the last lap of the big international two-mile race, unsuspected of any evil intent on a champion's crown," had to be reckoned with. They had their winner picked and he was invincible. But the warm sun shone down on the great event and smiled as those champions of the past were outclassed and outdistanced by the fleet little youth from Bates. "Dirigo" the motto of the State of Maine was personified in one of her collegians.

And such a race as it must have been for those privileged to witness it! Practically unknown by the vast crowd of people attending and with only a couple of fellow students eagerly watching from the stands, Ray fought against great odds. The starting pistol sounded and the grind was on. The favored contestants dashed off full of confidence; Buker was way back in a group of 20-odd starters. The mighty Nightingale and Furnas took things easy until the

end of the first mile and then they led the field, with the former man slightly ahead of the Purdue runner. Then the last half mile came and found these same two competitors in a life and death struggle. Leath of New Hampshire State was pressing close to them but Buker was 20 yards back and not giving the checkers any cause for worry. The pistol sounded again, this time to announce that a single lap remained, the one in which every drop of energy must be sacrificed. Still the three leaders held their respective places and the crowd was satisfied who the winner was to be. As they neared the last 300 yards the unexpected happened. Buker shot out of the bunch in which he had been traveling and started that deadly spurt of his. The spectators began to realize that something was happening. They burst into cheers as the plucky lad tore by his opponents. The Furnas fire went out; the Nightingale drooped his feathers, a defeated star. The Bates champion had crossed the line 25 yards ahead of his nearest man. Raymond Buker had brought fame to himself and honor and distinction to the college which he represented. All honor to our champion!

On the day after Buker's victory, the Garnet was again represented in the great carnival. Farley entered the 100 yard dash, and Luce the discus throw. A more or less heavy intermittent fall of rain for three days had put the track into a soft condition, and prior to the 100 yard dash event, many races had been run on it causing a further slowing up the course. The heats for the 100 were run off in due order. Seven contestants were entered in each and only the winner qualified for the finals. Farley was a very close second in his heat, only beaten by a very small margin at the tape by Gourdin, the star Harvard sprinter. Everything considered, the Bates lad has made a most satisfactory debut into intercollegiate track contests. The development that

(Continued on Page Four)

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## FOURTH SCIENTIFIC EXHIBIT HUGE SUCCESS

### Many Visitors View Work of Scientific Departments Wireless Attracts Much Interest

#### 1922 BANQUETS BUKER

CLASS HONORS ATHLETIC STAR  
BY BIG GATHERING AT  
EXCHANGE HOTEL

Amidst the flare and brilliancy of the spacious banquet hall of the New Exchange Hotel, surrounded by his classmates, lauded by his coach and his faculty, Raymond Buker '22, winner of the two-mile over a picked field of the best runners on the Eastern seaboard, certainly came into his own, Wednesday evening. With the initiative for which they are noted, the Junior Class tendered this banquet to its star track man in appreciation of his accomplishment in putting Bates on the map by winning this race at the Penn track meet.

From beginning to end, from Alpha in the shape of soup to Omega in the shape of speeches and nuts, the affair was a successful attempt to prove in a substantial manner the pride and esteem in which his class regards Mr. Buker. Everyone was at his best, and the dazzling wit which ran hither and yon about the tables rivaled in brilliancy the glittering silver service which, at Mr. McKenney's request, had been entirely overhauled for the occasion.

Dainty name cards guided each to his place, after due instructions on etiquette had been given to the rougher element by the debonair and polished Mr. Carl Rounds.

A most excellent and complete chicken dinner was served after grace had been said by Pres. Clifton D. Gray.

As course after course met its final resting place, the shining social lights of the class waxed truly brilliant in repartee and wit. Casting remarks and peanuts to right and left, Mr. Watts was the center of a jolly little group, while Mr. Ireland's hearty laughter, as he worked on a new home brew concoction, added the final touch.

Local color was present in abundance; the big '22 banner, and Bates banners and pennants, nearly covered the walls of the room.

The class president, Mr. Harry McKenney, introduced an innovation in presenting individual speakers of the evening between the courses. "No use bunching them all up like bananas," was Mr. McKenney's quaint method of explanation of this innovation.

After flapping on oratorical wings for a moment, Mr. McKenney came rapidly to earth and introduced, as the first speaker of the evening, the always popular Prof. Hartshorn. After telling one or two stories for which he is famous,

(Continued on Page Three)

The fourth annual exhibit of the Jordan Scientific Society was held April 28 and 29 in the Carnegie Science building. It was by far the most successful exhibit of any that the society has ever given. Students and visitors from all over Maine thronged to see the wonderful display. Each department of science was splendidly represented. The Biology department occupied the entire first floor, the Chemistry and Physics departments the second floor, and the Mathematics and the Forestry departments the third floor. The exhibit offered by each of these departments follows:

#### THE BIOLOGY DEPARTMENT

One of the finest and most complete exhibits was that of the Biological department. Two large rooms and a number of ante-rooms were given it on the first floor. The first contained exhibits on Bacteriology, Embryology and Histology. Various assistants explained the mysteries of germ life and illustrated their talks with experiments. One corner of the room was given over to antitoxins, and the use of serum outfits was explained. Specimen embryos of human beings, as well as of other forms of animal life were placed around on tables, and attracted much attention. The Histology exhibits were especially interesting. The public was invited to look into the many microscopes and view cell life in all its stages of development.

In one of the ante-rooms prepared slides were projected on a screen and explained by an assistant. This was one of the unique features of the exhibition this year.

Across the hall in Room 14 the General Biology, Invertebrate, and Vertebrate Anatomy exhibits attracted much attention. The general Biology tables were covered with all sorts of specimens. Drawings by the students along various Biological lines, were to be viewed in various parts of the room.

Assistants, working upon dogfish, cats, and other animals, showed methods of dissecting. Other tables displayed examples of invertebrates—corals, crustaceans, and other marine animals. These exhibits were explained to the visitors by those in charge. The happy family of a "felis domestica" was imprisoned in a roomy cage. The mother seemed quite happy, despite the crowd. This exhibit was one of the most popular with the children.

Another new feature of this year's exhibition, was the aquarium, in which live rainbow trout, togue trout, spotted trout, and salmon were swimming. The fish were sent to Bates thru the courtesy of State Commissioner of Fish and Game Willis E. Parsons. The large tanks were loaned the college by Dr. A. M. Garelon, of the State Fair Association. In one of the big laboratory sinks,

(Continued on Page Two)



RAYMOND B. BUKER, 1922  
International Two Mile Champion

# The Bates Student

PUBLISHED FRIDAYS DURING THE COLLEGE YEAR  
BY STUDENTS OF BATES COLLEGE

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All business communications should be addressed to the Business Manager, 21 Roger Williams Hall. All contributed articles of any sort should be addressed to the Editor, 21 Roger Williams Hall. The Columns of the "STUDENT" are at all times open to alumni, undergraduates, and others for the discussion of matters of interest to Bates.

The Editor-in-Chief is always responsible for the editorial column and the general policy of the paper, and the Managing Editor for the matter which appears in the news columns. The Business Manager has complete charge of the finances of the paper.

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## EDITORIALS

### THE INTERNATIONAL CHAMPION

All Bates unites in congratulations for the new international two mile champion—the fighter who swept aside the keenest competition which the world can produce, the representative who outdid himself for his college—Raymond B. Buker, of the class of 1922.

Appearing on the national sports horizon for the first time, Buker dumbfounded the country by winning the classic two mile race at Pennsylvania with an unprecedented sprint at the finish—that sprint so well known to Buker's friends and team-mates. Whereas the result of the race came as a distinct shock to national sporting fans, Bates experiences no great surprise at this achievement of her son, knowing that in Buker she has had one of the greatest runners of the day. On the contrary, Bates looks to her champion in full expectation of still greater deeds next year.

Buker's international championship comes to him as no chance accomplishment, but rather as the fruit of years of careful training and intense effort. Always willing to give his all for Alma Mater, he has established for himself a reputation for pluck and accomplishment which will be invaluable to him in future years. For the college, Buker has secured wide recognition and interest. Entering a new field of track achievement, Bates may well appeal to many track men of the secondary schools as being the logical place in which to continue a career on the cinders.

The Junior Class has done well in banqueting its newly-famous member, yet even that is not enough. Some more permanent honor should be bestowed upon Buker by the college. If the Athletic Association is unable to meet the demand, is it unreasonable to believe that the student body would unite in providing some lasting token of the praise of the college? Here, it seems, is a real opportunity for someone to take the responsibility of carrying through such a project. Nothing is too good for Buker.

Tomorrow, the track season so well begun will be continued when the Bates team meets New Hampshire State in a dual meet. With both Bukers contending in the runs, and with a team well-balanced in all events, Bates is prepared for a mighty battle for honors. Formidable rivals that they are, we welcome the men from New Hampshire to the hospitality of the campus, and assure them that we wish for "the best man to win" on the morrow.

All Bates should be present at the meet to encourage the team and do honor to the man who has brought honor to the college. With our new champion, together with his brother, prepared to assault the records, enthusiasm should know no bounds as the Garnet once more enters the lists, resolved to further the reputation so gloriously founded. Be in the cheering section, let the old Bates Yell roll across the field, and watch the team respond!

### PHI BETA KAPPA

During the last week, members of the Senior Class who have attained the highest scholastic honors throughout their course were initiated into the Bates chapter of the national honorary society of Phi Beta Kappa. With membership in this organization, these initiates have become identified with the leading thinkers and doers of the country. Much respect is ever commanded by the golden key of

knowledge which they will wear, and much responsibility to achieve will be the price of their elevation. But wherever they go, men will honor them as being of those who know.

Especially to the underclassmen, membership in Phi Beta Kappa should stand as a goal toward which to strive. While but few can succeed in reaching that goal, none will be the loser for having done work more thoroughly. Aiming at the highest in college, working with the determination to succeed, the underclassman will go far toward getting the most out of collegiate training.

### FOURTH SCIENTIFIC EXHIBIT HUGE SUCCESS

(Continued from Page One)

B  
frogs, and toads were hopping about; and lizards and bell-benders were crawling.

Two cages of live Japanese waltzing mice were the cause of much merriment. Everyone was asking, "Don't they get dizzy spinning about like that? The answer was, that a certain nerve connection having been severed, the little creatures had no sense of equilibrium.

The Biological exhibit was continued on the third floor, where the noted Stanton Bird Collection, one of the finest in New England, was open to the public. A section of the museum was devoted to local birds. There were arranged in the order of their migrations. This portion of the exhibit was especially pleasing to those interested in ornithology, as it gave them a chance to identify many of the spring birds.

### CHEMISTRY DEPARTMENT

The chemistry exhibition was deserving of high commendation. An exceptional amount of care was taken in its planning and the results of the effort were manifest throughout the room.

The visitor was met at the door by one of the assistants who acted as guide and who explained the processes, apparatus, and displays to each individual. The tables were arranged in the form of a rectangle in the middle of which the demonstrators worked without interference.

The most elaborate display in this department took the form of a model of the Lead Chamber Process for the manufacture of sulphuric acid. Since all the apparatus was constructed of glass the entire process was carried on under the eye of the observer and it was simple to trace the course of the gases and liquids thru the pipes, chambers, and towers to their destination. It is seldom that this interesting process is seen in actual operation in the laboratory, but it was a most instructive novelty.

Another feature of the chemistry exhibition was the department of dyes. Not only were the prepared dye-stuffs shown, but the manufacture of dyes was in operation, and actual dyeing was carried on. In this connection four woolen skeins were shown. One had been colored with dye of German manufacture; one had been colored with dye of English manufacture; one had been colored with dye of American manufacture; one had been colored with dye manufactured in the Bates laboratory by a student. It was impossible to tell the skeins apart. An excellent display of American manufacturer aniline dyes which compare favorably with German dyes of the same type was explained to visitors.

Tests for the purity of water, and for the percentage of fats in milk were interesting, and metal tests carried on by the qualitative department caused considerable comment.

Many displays were contributed by manufacturers throughout the United States.

The Chemistry Department is to be congratulated upon the quality of its exhibition, upon the care with which it was arranged, and upon the interest which it aroused in the minds of its visitors.

### THE PHYSICS DEPARTMENT

The display of the Physics department at the scientific exhibition was very expressive of the accomplishment and equipment of this work.

The spot of special attraction seemed to be the corner containing wireless phones. Messages were received from Europe.

On the "sound" table was shown a Chadin Plate, upon which was scattered many granules of sand. By drawing a bow across the edge of this plate, it was illustrated how, because of this vibration of sound, the sand particles formed definite lines upon the plate. These lines vary in their formation according to the place upon the plate where the vibrations are made, hence,

varying according to the pitch of the sound. Another interesting feature about sound was the device constructed by one of the students for illustrating the manner in which the sound waves travel. Organ pipes were likewise included in this exhibit. Other interesting things were: The hydrometer for measuring specific gravity of liquids; the thermometer that measures to one one-hundredth of a degree, this is a German instrument; it is both very rare and exceedingly valuable; balances, which weigh on a very small scale; and the stage micrometer which is used to measure the length of materials seen under the microscope; it measures to one ten-thousandth of an inch.

A large and important instrument is the spectrograph which is from England, likewise a valuable article. It has lens of quartz. It photos the lines of the spectrum even to many lines of the ultra violet light. The spectrometer shows continued spectra for incandescent solids and line spectra for incandescent gases. It is also devised to measure the distances of these lines.

The photography department had its place, several cameras and numerous pictures being shown.

Another interesting feature was the lecture on X-rays.

This department offered an excellent opportunity for one to increase his meager knowledge of physics, and one could not gaze over all these without thinking of the many miraculous advances that have been, are, and will be achieved in relation to physical phenomena.

### MATHEMATICS DEPARTMENT

The exhibit of the mathematics department was very complete. As one entered the room, he first saw a collection of geometrical solids. This included a dissectible cone, illustrating various algebraical equations in their relation to graphical geometry. Cast models of hyperbolic paraboloids illustrated the work in Solid Analytical Geometry.

Target rods, surveying chains, and a planimeter, an instrument to measure automatically the areas of plane surfaces, occupied another table. A general model of a hyperbolic paraboloid, so constructed that it could be adapted to any given conditions, was also shown. Computing aids, such as slide rules, stadia rules, and measuring tapes could be seen.

On the wall, pictures of the surveying camp in charge of Mr. Woodcock, which does commercial surveying in New Hampshire were displayed. These illustrated the practical and commercial value of surveying which is one of the best courses offered by the mathematics department.

### FORESTRY DEPARTMENT

The exhibit arranged by Professor Leete of the Forestry Department would have done credit to a department of many years standing and when we recall the short time Professor Leete has been with us one can only marvel at the fine work he has accomplished.

On the tables there were displayed various hardwood products of Lewiston, butterflies, fungi, and several curiosities of the forest. It can safely be said that no one left the room without feeling convinced that in the Forestry Department, which was inaugurated three years ago by L. R. Grose and whose place was filled by Professor Leete last fall, Bates has a flourishing branch and one that has a very bright future in store for it.

The Geology Department this year contributed an exhibit for the first time. Beautiful quartz, volcanic lava, coal in its various stages of development, limestone and marble were on display and gave ample opportunity for the study of this branch of science. The all-Maine section, in which minerals taken from the soil of the Pine Tree State, were shown, was an especially interesting feature of this exhibit.

There were also displayed a great quantity of beautiful shells, many of which were rare.

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FRESHMEN WIN TRACK MEET

WELL BALANCED TEAM POWERFUL IN SCORING

In spite of the absence of Farley who went to the Penn. Relay Carnival, the Freshman class won the annual inter-class track meet Thursday by a goodly margin. The Seniors finished second, the Juniors third, and the Sophomores, who won the indoor meet last winter, were in the cellar position.

Norman Dinsmore of 1924 was the individual star—winning the 100 yd. dash, the high jump, and taking fourth in the running broad jump. Lack of competition kept the time of the several events down, and nothing was shown to raise high hopes for future meets, except perhaps in the shot put, the pole vault and broad jump in which Wilson, Burrill and Seifert showed up to good advantage. A good many men showed up well and can be depended upon for seconds and thirds in the coming meets. The summary:

100 Yd. Dash—(1) Dinsmore '24, (2) Wilson '24, (3) Small '21, (4) Gates '24. Time 10 4-5s.

220 Yd. Dash—(1) Hodgman '21, (2) Varney '21, (3) Wilson '24 and McKinney '21 tied. Time 24s.

120 Hurdles—(1) Jenkins '22, (2) Irving '23, (3) Rowe '24, (4) Gross '21. Time 17 1-5s.

220 Hurdles—(1) Rose '23, (2) Rowe '24, (3) Gross '21, (4) Irving '23. Time 28s.

440—(1) Hodgman '21, (2) Varney '21, (3) Rounds '22, (4) Jenkins '22. Time 54 4-5s.

880—(1) Batten '23, (2) Rich '24, (3) Kimball '22, (4) Earle '22. Time 2 16 1-5s.

Mile—(1) Kane '24, (2) Holt '24, (3) Smith '21, (4) Perkins '22. Time 4 45s.

Two Mile—(1) Kane '24, (2) Kimball '22, (3) Perkins '22, (4) Mitchell '24. Time 11m.

High Jump—(1) Dinsmore '24, (2) Gross '21 and Watts '22 tied, (4) Gormley '24. Height 5 ft. 1 in.

Broad Jump—(1) Burrill '23, (2) Small '21, (3) Batten '23, (4) Dinsmore '24. Distance 19 ft. 1 in.

Pole Vault—(1) Wilson '24, Desco-teau '23 and Smith '21 tied, (4) Burgess '22 and Batten '23 tied. Height 9 ft. 6 in.

Shot Put—(1) Seifert '24, (2) M. Ross '22, (3) Lary '23, (4) G. Ross '24. Distance 34 ft 5 in.

Hammer Throw—(1) N. Ross '22, (2) Gross '21, (3) Watts '22, (4) Allen '22. Distance 90 ft. 9 in.

Table with 4 columns: Year, 1921, 1922, 1923, 1924. Rows for 36-1-3-31 and 26-5-6-48-5-6

MAINE WINS FIRST GAME OF STATE CHAMPIONSHIP SERIES

In a nine act tragedy last Saturday afternoon, Maine defeated Bates on Garselon Field, in the first game of the championship series. The Bates team had an off day and piled up eight errors in a fashion that allowed Maine in spite of her errors to net a three-score victory over the Garnet.

Score: Maine . . . . . 0 1 1 3 0 4 1 0 0—10 Bates . . . . . 1 0 1 1 0 2 0 2 0—7

1922 BANQUETS BUKER

(Continued from Page One)

'Monie' made a few well chosen remarks interspersed with his customary dry humor and ended with congratulations to Mr. Buker and to the class of '22 for the fine spirit so evident in its undertakings.

Between the dessert and the nuts, Pres. Clifton D. Gray was introduced. Standing in a locality where the brass foot-rail used to be, Prexy was entirely at ease as he faced the gathering. He said that he had become acquainted with Mr. Buker, and that the latter had confessed to the very human desire to witness the coming Dempsey-Carpentier bout; in other words, he was a "reg'lar guy." A promising outlook for that big new gym where many more like Buker may be successfully developed and the expression of his satisfaction that he was back in "the bush," as a Penn State paper referred to Bates' location, concluded Pres. Gray's remarks.

Prof. Baird, introduced as the "Daddy of '22," humorously referred to his own track experiences en route from

home to Hathorn to reach his 7.40 classes on time, and then in a serious vein emphasized the value of class ties and class spirit. Sociability, solidarity, and service are the class ideals and are well brought out in the junior organization; sympathy (?) and congratulations to Mr. Buker and the class ended "Birdie's" speech.

In a few brief and pointed words, stressing the future value of athletic success in college, and illustrating how the fame of a great athlete wins him friends everywhere and oftentimes openings to success, Prof. Pomeroy as the next speaker ended with sincere congratulations to Mr. Buker.

Prof. Gould, as next on the program, will have Dr. Tubbs fighting for his laurels as the most popular prof, for on being introduced he immediately went after the after-dinner speech record by talking, as he said, in comparison with Monie's 15.5 minutes and Prexy's 18.3 minutes, by 9 2-5 seconds; then he sat down amid thunderous applause.

As the final speaker, "Ray" Buker rose, and in silent tribute to a fine man, an excellent scholar, and a wonderful athlete, the entire class with those faculty members who were present rose with him for a moment.

"As is the Norway pine to Satan's spear, so are the cheers of those fifteen thousand in my ears as I broke the tape as compared to the sincere tribute given me by you this evening. This is the best banquet I have ever had, it is the finest thing I have ever undergone. If what I have done has brought fame to my college and my class, I am very glad. I can say nothing more." And Ray Buker sat down, a perfect gentleman, scholar and athlete at the end of his perfect day.

After cheers for Buker and the Bates cheer were given, the singing of the Alma Mater brought to a close this class get-together which was a pronounced success in every way; as a tribute to Mr. Raymond Buker and as a powerful instrument in knitting closer together the bonds of class unity and fellowship, this banquet did much to emphasize the value of class spirit as a vital factor in college life.

DEUTSCHE VEREIN

The Deutsche Verein is once more on its feet. At the revival service last Tuesday evening a constitution was read, amended, and adopted, and the following officers were elected: President, Lawrence D. Kimball, '22; vice president, Miss Vivian O. Wills '22, and secretary-treasurer, Miss Marion A. Drew '22. Plans were discussed, especially in relation to the time of meeting. After the business had been disposed of a most sociable social hour was enjoyed in the playing of games, mostly with a German flavor, the singing of a German solo by Faust '24, and other songs en masse.

STUDENT COUNCIL DECISION

The following decision by the Student Council has been issued and will be enforced immediately:

Finding the men of the class of 1924, or their representatives, guilty of painting class numerals on the athletic field fences, breaking into the Athletic Association supply shed, and removing lime used in further placing class numerals on the track, the Student Council hereby orders each man of the class of 1924 to pay a fine of fifty cents, to be used in repairing damages.

Date of payment will be announced on bulletin boards, with failure to comply with the findings of the Council punishable by probation.

(Signed) CARLETON L. WIGGIN, President.

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WHAT IS WHEN

Friday, May 6 Gardiner High vs. Freshmen Mass. & N. H. Clubs Picnic Extra Club

Saturday, May 7 Chase Hall Movies (Wallace Reid, Bill Hart, and Fatty Arbuckle) ment elsewhere)

Wednesday, May 11 Tennis, Dual Meet, Bowdoin at Lewiston Y. M. C. A. at Chase Hall, 6.45 Y. W. C. A. at Fiske Room, 6.45

Thursday, May 12 "Vaudeville Review" (Benefit of A. A.)

Friday, May 13 Baseball, N. H. State at Lewiston, Jordan High vs. Freshmen

Saturday, May 14 State Meet at Brunswick

Monday, May 16 Tennis, State Meet at Lewiston

Tuesday, May 17 Tennis, State Meet at Lewiston Baseball, Norwich at Lewiston

Saturday, May 21 Baseball, Maine at Orono, Abbot School vs. Freshmen

Track, N. E. Meet at Cambridge

Tennis, Dual Meet, Colby at Waterville

Saturday, June 4 Interscholastic Track Meet at Lewiston

Friday, June 17 Last Chapel, 8.40 A. M.

Ivy Day, 2.30 P. M.

Sunday, June 19 Baccalaureate Exercises

Tuesday, June 21 Class Day exercises

Wednesday, June 22 Commencement Exercises

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An English physicist once said that if we knew the firefly's secret, a boy turning a crank could light up a whole street. Great as is the advance in lighting that has been made through research within the last twenty years, man wastes far too much energy in obtaining light.

This problem of the "cold light" cannot be solved merely by trying to improve existing power-generating machinery and existing lamps. We should still be burning candles if chemists and physicists had confined their researches to the improvement of materials and methods for making candles.

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What makes the firefly glow? How does a firefly's light differ in color from that of an electric arc, and why? The answers to such questions may or may not be of practical value, but of this we may be sure—it is by dovetailing the results of "theoretical" investigations along many widely separated lines that we arrive at most of our modern "practical" discoveries.

What will be the light of the future? Will it be like that of the firefly or like that of the dial on a luminous watch? Will it be produced in a lamp at present undreamed of, or will it come from something resembling our present incandescent lamp? The answers to these questions will depend much more upon the results of research in pure science than upon strictly commercial research.

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**BUKER WINS PENN. RACE**

(Continued from page one)

will come in the next three years bids fair to give Artaur Farley a seat among the world beaters.

Leroy Luce, the husky Junior, hurled the discus for a distance of 116 feet 4 inches. In his third trial, the big boy fouled. The field and weather were not ideal for the event and the showing that Luce made is highly commendable. The experience which he has gained by competition with the stellar discus heavers of the country is inestimable and will give him confidence for success in the future.

While neither of these lads were able to place in their events, they are offering no alibis. They did their best, they gave every ounce of ability in them, and they made a creditable showing, one that deserves our highest commendation and praise.

With such a glorious past, these three worthy lads will have a still more glorious future. Buker will smash all records in the two mile run. Nothing can stop him. From now on he will be one of the biggest drawing cards in every meet in which he participates. Farley should win first places in all the future intercollegiate contests and Luce, because of his long heave at the Penn relay carnival, will render a good account of himself on the score cards of the future. The State Meet is scheduled for the 14th of this month and these three men will again bring honor to the Garnets. A special effort should be made by every member of the student body to go to Brunswick on that date and express our appreciation of what they mean to us.

PHI BETA KAPPA INITIATES

Banquet Given to Honored Seniors

The Gamma of Maine chapter of Phi Beta Kappa held its annual initiation and banquet at Chase Hall on Monday evening. The new members initiated were Messrs. Anderson, Johnson, Jordan, Starbird, Wiles and Woodard; Misses Bartlett, Carl, Dennison, Hall, Knapp, Lindquist of the class of 1921; and Misses Houdlette and Whittier of the class of 1911.

The company formed at Roger Williams Hall, whence it marched in academic procession to Chase Hall. There the candidates were initiated into the mysteries, and presented with the keys by President Hartshorn of the Gamma Chapter, assisted by Professors Leonard and Knapp.

Section two of the program consisted of a most excellent banquet prepared by the wives of professors who are members of the chapter.

Section three was opened by President Hartshorn, who assumed the role of toastmaster, introducing Dr. Leonard, "Professor of Secretarial Science," as the first speaker of the evening. Professor Leonard spoke very briefly, congratulating the chapter upon the number in attendance—thirty-eight persons, representing eight chapters—Bates, Harvard, Yale, Boston University, Dennison, Amherst, Wabash, and Ohio Wesleyan.

Winslow Anderson, speaking for the newly elected and initiated senior members, expressed their appreciation of the honor that had been conferred upon them, and their determination to be worthy of that honor.

Hon. F. A. Morey, introduced as "one of the next governors of Maine" spoke in the vein of fatherly admonition, recommending to young members the practice of the two virtues, industry and self-reliance.

President Gray, in the concluding speech of the evening, took as his text the motto of the society, translated as he suggested, "The love of wisdom—the pilot of life."

"It is a sad fact," said the speaker, "that many people drop the pilot as soon as they graduate from college." Most people, he pointed out, do not think at all, and get their ideas second-hand from the minister, from Arthur Brisbane, or from the movies.

"It is significant," he continued, that the motto of the fraternity contains two such words as wisdom and life." The Phi Beta Kappa does not stand for wisdom for its own sake—that is pedantry—but for wisdom applied to life. Learning enriches life, enwidens life, ennobles life.

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