

### Vol. XV.

### Phillips Academy, Andover, Mass., March 22, 1893.

### Geology Lecture.

Dr. Harris delivered his third lecture in the geology course at Abbot Academy Monday evening. His subject was, "The Geological Work of Ice."

He first explained how glaciers, are formed. In lofty mountains like the Alps whose summits are above the snow line, and in a cold climate like that of Greenland, there is a constant accumulation of snow. As this slowly slides down the steep slopes of the mountain it is pressed harder and harder by the accumulating mass behind it until it becomes ice, just as a snow-ball does when squeezed tightly in one's hand. This mass of ice is then pushed out and down over the mountains into the valleys where it melts, or to the sea where its course is stopped-

The lecturer then described the geological effects produced by glaciers. The stones and earth along the sides of its bed or channel are worn or torn away and carried along with the movement of the glacier until a line of this drift extends on each side along its whole length. A great deal of the drift falls to the bottom through the great cracks which are made in its tortuous progress. But much of it is also carried to the terminus. There, of course, it is left as the glacier melts, and gradually forms a huge heap like the delta of a river. Thus the old bed of glacier may be known by the long serpent-like ridge formed by the material falling through the cracks to the bottom all along its course and the wide-spread terminal morain, as the deposit of drift that marks the limit of the glacier is called. Indian Ridge is formed in just this way, and was doubtless formed by a glacier.

Agassiz was the first to advance the theory that glaciers were once common to New England. He was at first laughed at, but now this belief is wellnigh universal, and to the work of the glaciers is doubtless due the rough, rocky nature of the country.

#### Preliminary Tournament.

The preliminary tournament passed off successfully Saturday before an attendance much larger than the one last year. Some of the events were close, but the science of sparring seemed to have few tollowers among the contestants. An evident lack of training or an excess of training destroyed the interest in much of the won one event, '94 two, and '95 one.

boxing, for few of the men showed much strength after the first round and a half.

The first bout between Bucknell and Lapham was tame, Bucknell evidently heing indisposed.

The feather weights did the best sparring, the first bout being won by Mann '94 against Whitford '94 in 3 rounds; the second by Mann against Sargent '95. In this bout Mann showed much skill and won his event by clever sparring, although Sargent was very quick and hit the hardest blows.

The rival contestants in the light weight wrestling were: D. C. Mills '95, J. M. Abbott '94, and W. T. Laing <sup>1</sup>95. Mills was thrown by Abbott in two straight falls, after which Laing threw him two out of three. Abbott was handicapped by Laing's weight, but the difference in size also inconvenienced the latter. Both showed cleverness.

The heavy weight sparring, the most anticipated of all-the events, was awarded to Rogers over Murray. Murray's lack of training defeated him, for while his strength lasted his rushes were very effective. It took 4 rounds to decide this event.

In the second bout of the light weights between W. J. Lapham and E. R. Marvin there was little sparring but much excitement. The decision was given to Lapham as he met Marvin's rushes cleverly and did the real fighting from a sparring standpoint. Following is a summary of the

events in their order:

Light weight sparring, preliminary bout; Lapham '93 and Bucknell '94. Lapham, winner, 3 rounds.

Feather weight sparring, preliminary hout; Whitford '94, Mann '94. Mann winner, 3 rounds.

Light weight wrestling, preliminary; Mills '95, Abbott '94. Abbott winner, 2 falls.

Heavy weight sparring; Murray '94, Rogers '94. Rogers, winner, 4 rounds. Light weight sparring, final bout; Marvin '93, Lapham '93. Lapham, winner, 3 rounds.

Feather weight sparring, final bout; Sargent '95, Mann' '94. Mann, winner, 3 rounds.

Light weight wrestling, final; Laing '95, Abbott '94. Laing '95, winner, 3 falls.

The judges were Mr. Thompson of Andover, Mr. L. H. Morse, Lawrence. Prof. Pettee was time-keeper. 2'93

Class Day Officers. The Seniors in joint meeting yesterday elected their class day officers. The nominations were as follow: Orator, W. T. B. Williams and N. A. Smyth; poet, C. E. Thomas, R. C. Gilmore and W. B. Parker; historian, C. D. Millard; prophet, H. G. Wyer, W. J. Lapham; M. E. Stone, R. C. Gilmore and T. F. Russel; statistician, P. R. Lester and H. B. Winters. The voting resulted as follows: Orator, N. A. Smyth. poet, W. B. Parker, Thomas and Gilmore both declining the nomination; historian, C. D. Millards prophet, W. J. Lapham, all declining to run but him and Wyer; statistician, P. R. Lester.

#### Schedule of Examinations.

THURSDAY, MARCH 23. 9.30 English History B, Div. I. 11.30 Supplementary reading, Class I, Room 9; Class A, Room S. 9. Class II, Room 7; Class B, Room S.T. Class III, Room 4; Class C, Room 3. Class IV, Room S. 2; Class D Room 6. 3.30 - Latin Composition 1. FRIDAY, MARCH 24. 8.30 Greek I, Div. I. Latin Composition II. 9.30 Greek 1, Div. 11. 3.30 English IV. (Mr. Benner's division). Greek III, Div. I. Greek III, Div. II. saturday, MABCH 25. 8.30 French I, Div. I. German 1. Chemistry C. Both divisions 9.30 English I, Div. II. 10.00 Greek History I. 11.00 Algebra II, Div. II. MONDAY, MARCH 27. 8.30 Hatin II. Geometry B. Div. I. 9.30 Geometry B, Div. n. Astronomy A.

11.30 Geometry I, Div. II.

8.30 French A.

2.30 German II, (sight reading)

3.30 German B, (sight reading).

TUESDAY, MARCH 28.

Geometry B. Div. I.

Algebra III, Div. I.

Algebra C, Div. I.

Algebra III, Div. II.

9.30 Geometry B, Div. II.

Latin B, (Mr. Austin's division)

Latin Composition A. 11.30 Geometry I, Div. I. Geometry I, Div. II. Latin C. French (Div. A). Physics B. 2.30 German π (text). Latin B (Mr. Benner's division). French II, Div. B. English C. Both divisions. Chemistry A: 3.30 German B (text). Latin B (composition). French B, Div. C. English D. WEDNESDAY, MARCH 29. 8.30 English m. Both divisions. French I, Div. II. Arithmetic IV. Arithmetic D. 9.30 Latin IV. Both divisions. Graphic Algebra B, Div. I. Algebra A, Div. I. 10.30 Algebra A, Div. II. Latin m. Both divisions, in Academy Hall Algebra n, Div. I. Graphic Algebra B, Div. n. Glee Club Concert.

Algebra C, Div. II.

Physics I.

No. 48.

The annual concert of the Phillips Glee, Banjo and Mandolin Clubs will take place in the Town Hall on Thursday evening of this week, and not on Friday as was advertised. The clubs have been diligently at work with their rehearsals since October, and have a much more attractive programme than any other Andover Club has ever had. They give a concert this evening in Wakefield under the auspices of the Quannapowitt Club. There are only a few seats left for the concert and those who have not arranged for their tickets should do so at once. The prices are 35 and 50. cents.

#### Natural History Society.

At the meeting of the Natural History Society last Saturday evening the following officers were elected: President, E. W. Cross '93; vice-president, I. D. Vann '93; secretary and treasurer, H. D. Whitfield '94. Mr. Boutwell gave an entertaining reading on Geology, and Mr. Woodruff reported that he had seen robins and bluebirds during the week. A debate was selected for the first meeting of next term.

W. T. B. WILLIAMS, '93, MANAGING EDITOR.

The **Phillipian**.

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THE PHILLIPIAN will be issued every Wednes-day and Saturday during the school year, except in vacation.

All communications must be accompanied by the writer's full name and address, not necessa rily for publication unless so desired. Communications may be addressed to THE. PHILIPIAN, Andover, Mass., or dropped in the Phillipian box placed in the main hall of the Academy building.

The editors do not hold themselves responsi-ble for the opinions of any corresponeent. PHILLIPIAN Board meetings are held Wednesday and Saturday noons.

ENTERED AS SECOND - CLASS MATTER AT-ANDOVER POST-OFFICE.

#### NOTICE 1

To insure change of advertisement, copy must be received for Wednesday not later than Tues-day noon: for Saturday, not later than Friday noon,

The Andoner Dress.

The next number of the PHILLIPIAN will be issued Wednesday morning.

The extra anniversary number of the PHILLIPIAN will be put on sale Tuesday morning. We have tried to make a success of it, and we hope it will meet with the hearty approval of the entire school. The price will be within the reach of everyone. . Our expenses will be considerably above our first estimates. We must, therefore, hope for a large sale.

From the proofs now in hand the artistic work of this number bids fair to elicit much praise.

The preliminary tournament last Saturday was quite successful, but it was to be regretted that the entries in the wrestling were so few. The boxing was good in the heavy and light weights, but the middle weight men in the last round showed little science, and-it seemed-as-though-it-was-theirobject to see who could hit the harder and not who could box the best. The action of the referee in requesting silence during the bouts was very commendable, and the fellows should have been more careful in observing  $\tau$  it. This afternoon the final tournament comes off, and a good showing is expected in many\_of\_the events. We hope all the fellows will come up to the "gym," to-day and stay throughout the tournament, because it is discouraging, to say the least, to the contestants to see the spectators leaving, and fellows who have practised all winter deserve the support of the entire school. So let everyone come this afternoon, and make this tournament a greater success even than Saturday's was.

A New Curriculum at Wellelsey.

A new curriculum has been adopted at Wellesley. The plan secures a readjustment of the proportion between required-and elective\_work, the former to be reduced to the lowest possible-point .--- The work is so proportioned that a little less than one-third of the amount necessary for a degree consists of free electives; about onethird of electives chosen under the control of the taculty, and a little more than one-third of required studies.

The subjects absolutely required are mathematics, philosophy, English composition, physiology and hygiene and Bible study; every student must take also one language and two sciences. Yet even into a large part of this nominally required work there enters the element of choice. Thus the student may satisfy the language requirements by electing either Greek, Latin, Anglo-Saxon, French, German, Italian or Spanish; she may satisfy the science requirement by selecting any two from the various sciences offered by the college. To a large extent the required subjects will be taken in the early part of the course, while the latter years will be left free for elective studies.

Prof. Tucker's Successor.

Rev. Henry J. Van Dyke, D.D., of New York, Princeton '73, has just been unanimously elected to fill Dr. Tucker's place at the Theological Seminary.



### The Coming Spring

Bids fair to be a prosperous one in all branches of business, and no business has put forth greater efforts than the Tailoring Business to meet the demands. Never in our time has such an exquisite line of "modest" style been shown, and we are going to be able to show a complete line in a few days. Many styles have arrived, and we shall be glad to spread them for those who call on us, and to prómise a first-class garment at a reasonable price to those who favor us with their orders.

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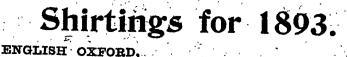
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### PHILLIPIANA. Tournament at 2 P. M.

Prof. Palmer of Harvard will address the Forum on Friday evening. C. B. Manning, P.S. '94, has re-

covered and returned to school.

W. M. Gardner, P.A. '94, has been elected to the Mirror editorial board.

Harvard has a new debating society, known as the Wendell Phillips Club.

The Wellesley Glee Club will go to Washington during the Easter recess Princeton's annual catalogue, which was issued last Thursday, shows an en-

rollment of 1,072 students. Trinity has received a gift of \$25,000 from Mrs. M. J. Keeney of Hartford, Conn.

G. W. Hinman, P.A. '94, has left schooltemporarily on account of trouble with his ankle.

M. E. Stone, P.A. '93, will represent the PHILLIPIAN at the New York alumni dinner on Mar. 30.

Bayne, the U. of P. pitcher, has declined an offer to play with the Pittsburghs this season.

The Glee and Banjo Clubs have changed the date of their concert from Friday, the 24th, to Thursday, the 23d.

Last week's issue of the Amherst Student is devoted wholly to music, and contains a picture of the Glee and Banjo Clubs.

C. P. Klitchel, P.A. '93, and W. T. B. Williams, P.A. '93, spoke at the Haverhill Y.M.C.A., on Sunday afternoon.

G. R. Atha, P.A. '91, Brown '95, has an article in the Brown Magazine for March. His subject is the "Power of the Poet." The three men holding the highest

**Styles** 

standing in the military drill at Yale will receive a certificate equivalent to the diploma at West Point.

At the recent Oxford University games C. B. Frye tied the world's record for the running broad jump by clearing 23 feet 6 1-2 incees. Lutyens ran the mile in 4 muutes 21 seconds.

Prof. Henry Drammond of Glasgow will lecture in Boston this spring on the Evolution of Man. His lecture will be given on the Lowell foundation.

Plans have been concluded for the enlargement of Battell Chapel at Yale. It is thought that this has given a fatal blow to the idea of abolishing compulsory chapel attendance.

Prof. Martin Kelogg of the University of California has been granted-the honorary degree of LL.D. by Yale at a special meeting .--- Prof. -Kelogg is to be maugurated president of the University of California next week.

Mr. Morse, one of the judges of the preliminary tournament, graduated at Harvard in '89, and was a class-mate of Prof. Moore. He is now practising law in Lawrence.

Dr. Mabie, secretary of the American Baptist Missionary Union, and Rev. -U.--H. -- Upcraft, -- the --- hero --- missionaryfrom Western China, addressed the students of Worcester Academy a short time ago. The students were asked to contribute \$100. No notice had been given beforehand, but \$225 were immediately subscribed.

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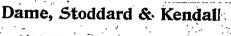
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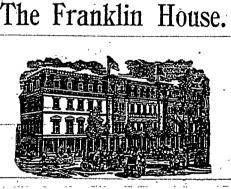
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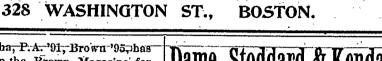
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