PUTTING 16-POUND SHOT.

R. H. Callahan
W. A. Johnston, '94
H. R. Batcheller, '94
C. E. Varney
E. J. Giannini
F. W. Scott
D. Long
J. Shea
F. H. Markland, '94

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<th>G. A. C.</th>
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POLE VAULT.

J. R. Kaveny
W. G. Irwin
J. Crane, Jr., '92
H. R. Dalton, Jr.

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At the B. A. A. Interscholastic schoolboys' meeting, in Mechanics' Building, last Saturday, W. J. Batchelder, M. I. T., '95, ran an exhibition 1,000 yards, breaking the B. A. A. record by three seconds. His time was 2 min. 29 3-5 sec., which is very good, considering that he had no one to push him, and that it was done indoors on a thirteen-lap track. The meeting was very interesting, and all of the events exciting. The school feeling ran high, and Hopkinson's was victorious,—beating out Roxbury Latin by only one point.

We are in receipt of the first two copies, January and February numbers, of "Astronomy and Astrophysics," a magazine published ten times a year, and edited by George E. Hale, '90, now Director of the Kernwood Astro-Physical Observatory, of Chicago, Ill., and Wm. W. Payne, Director of the Goodsell Observatory, Northfield, Minn. The title plainly indicates to what branch of science the journal is devoted.

The two first numbers contain able illustrated articles by some of the most prominent astronomers in the country, and several articles by Mr. Hale himself.

Subjects of Theses, Fourth-Year Students.

COURSE I., CIVIL ENGINEERING.

C. P. Coogswell, Jr., with E. Lee, Jr.—Railroad Signals as Used by the Eastern Division of the Boston & Maine R. R.

J. C. Curtin with Gorham Dana.—Comparative Tests on Road Material.

Gorham Dana with J. A. Curtin.

W. B. Douglass.—Design for a Draw Bridge.

W. W. Green.—Design for a Cantilever Bridge.

H. A. Harwood.—Design for a Standpipe.

E. Lee, Jr., with C. P. Coogswell, Jr.

J. P. Lyon and N. T. Paraschos.—Experiments on the Resistance of Riveted Joints to Bending.

S. B. Manley.—A System of Sewerage for West Roxbury.

Leonard Metcalf with M. S. Pope.—Effect of Notching Timber.


Hamilton Otis with A. H. Morrill.

N. T. Paraschos, with J. P. Lyon.

M. S. Pope, with Leonard Metcalf.

D. M. Pratt, with L. K. Sherman.—Experiments on Form of Water Jets.

G. F. Rowell, with A. J. Ober.

A. F. Sargent, Jr.—Method of Constructing Roads in West Newton.

R. T. Saunders.—A Discussion of the Hydrography of the Upper Missouri Basin (in Montana).

L. K. Sherman, with D. M. Pratt.

F. T. Westcott, Ph. B.—Earthwork Tables and Diagrams.

COURSE II., MECHANICAL ENGINEERING.

P. P. Bourne.—Safety Valves.

Stephen Bowen.—Repeated Bending.

H. A. Burnham, with C. E. Fuller.—Headers.


J. M. Colby, Jr., with W. H. Messinger.—Separators.

G. E. Dadmun, A.B., with G. H. Goodell.—Westinghouse Air Brake.

S. B. Ely, with D. A. Catter.

C. E. Fuller, with H. A. Burnham.

Howard Gilmore.—Strength of Cotton Cloth.

G. H. Goodell, with G. E. Dadmun, A.B.

E. C. Hall, Jr.—Strength of Manilla Rope.

W. A. Johnston, with O. F. Sager.—Explosion of Gases.