

'08 WINS FIRST GAME.

Make Six Runs in Second Inning and a Slow Game Follows.

The Sophomores won the first of the series of class championship games from the Freshmen Friday at the Field, 8 to 5. At the end of the first inning it looked as if the Freshmen were all to the good, but they went to pieces in the second, with the result that six Sophomores made the round trip. 1908 made a run in each of the two following innings and then apparently did not try to put any more men across the plate. The Freshmen had the greater number of hits but they were scattered out so they did not count for much. Bridgman let up in the eighth and 1909 made three runs but failed to rally again in the ninth. The line-up follows:

1908.	A.B.	B.	P.O.	A.	E.
Boylston 1b.	3	1	3	0	0
Williams c.	4	2	12	2	0
Ford 3b.	2	0	1	0	0
Barton s.s.	3	2	4	2	1
Heilman r.f.	3	0	3	0	1
Pierce l.f.	4	3	2	0	0
Daley c.f.	1	0	1	0	1
Standley 2b.	2	0	0	0	0
Bridgman p.	1	0	0	2	0
Plummer 2b. & s.s.	1	0	0	0	1
Schneider c.f. & 2b.	2	0	1	0	1

Totals 26 8 27 6 5

1909.	A.B.	B.	P.O.	A.	E.
Shea 2b.	4	1	1	3	3
Landis 3b.	2	1	1	3	1
Applin s.s.	5	1	5	1	1
Wentworth 1b.	5	3	10	1	2
Nichols c.	4	2	6	3	1
Kelly r.f.	4	2	0	0	1
Perry l.f.	5	2	1	0	0
Heard c.f.	3	0	0	0	0
Sherman p.	3	0	0	0	1

Totals 35 12 24 11 10

Innings	1	2	3	4	5	6	7	8	9
1908	0	6	1	1	0	0	0	0	x-8
1909	1	0	0	0	1	0	0	3	0-5

Runs—Perry 2, Barton, Pierce 2, Standley, Bridgman, Boylston, Ford 2, Shea 2, Kelly. Two-base hits—Wentworth, Nichols, Kelly. Three-base hits—Barton. Sacrifice hits—Daley. Stolen bases—Barton, Pierce, Nichols, Perry, Williams 2, Kelly. First base on balls—Bridgman 9, Sherman 4. First base on errors—1908 3, 1909 1. Struck out—Bridgman 16, Sherman 4. Passed balls—Nichols. Hit by pitched ball—Daley. Umpire—A. K. Tylee, '07.

CATHOLICS ORGANIZE.

An organization of Catholic clergy-men which may be expected to have influence with a large number of young college men in different parts of the country has just been formed, and will be known as the American Federation of Spiritual Directors of College Catholic Clubs.

As the name signifies, the membership will consist of priests who have in their charge the religious work of the various Catholic clubs at non-sectarian colleges throughout the United States and Canada.

The Catholic students at these schools have themselves realized the need of keeping in close touch with the church and her instructors, and so within recent years clubs have been organized among them for religious and social purposes. Among the colleges in the United States with such organizations are Harvard, Yale, Brown, Dartmouth, Columbia, University of California, University of Georgia, University of Pennsylvania and the Massachusetts Institute of Technology. The Columbian Club is an organization of a similar nature in Canada, being composed of students who are in attendance at the various universities in Montreal.

LITTLE REGRET.

Quakers Not Very Sorry Over Break with Harvard in Football

Alumni feeling on the break between Harvard and Pennsylvania is displayed, as far as Pennsylvania is concerned, by an editorial in Old Penn., the alumni magazine, in its latest issue. The Quakers evidently do not much regret the dropping of the crimson and the idea expressed is that it is better not to play Harvard than to meet under the conditions which governed the games of the past few seasons. The editorial says:

"The passing of the Harvard football game will be viewed by the vast majority of Pennsylvania men without emotion. For several years the deliberate efforts on the part of unfriendly influences to create mischief between Harvard and Pennsylvania have been clearly apparent. After last season, when Pennsylvania firmly and unequivocally refused to toady to Harvard's coquet-

ARCHITECTS START FUND.

Society Lays Aside \$200 as a Starter to Help Needy Students.

The Architectural Society has laid aside \$200 as the basis of a scholarship fund which is intended to give aid to needy and worthy students of the Department of Architecture. The fund is placed in the hands of three trustees, Prof. F. W. Chandler, Prof. W. H. Lawrence, and Bursar F. H. Rand, who were appointed by President Naramore, '07.

The net proceeds of the *Architectural Annual*, and of any other publication of the Society, are to be added annually to the fund until it reaches \$1000, when it will be handed to the treasurer of the Institute in trust. The income is to be given to such needy students as the trustees believe worthy of receiving aid.

Circulars, setting forth the founding of the Fund and its object, are to be sent to all the alumni of the department and to the resident architects of Boston, requesting their aid

INSPECTS LIGHTING SYSTEM.

Professor Clifford Investigates Advantages of Moore Vacuum Tube.

Professor Clifford of the Electrical Engineering Department on a recent trip to New York took the opportunity to inspect the Moore Vacuum Tube Lighting system installed in various places there. The vacuum tube light, contrary to the idea held by many people, is not the same as the mercury vapor light. A glass tube with high vacuum containing a small quantity of a non-metallic gas and a small terminal box securely enclosing both ends of the tube with a potential raising transformer is the necessary apparatus. The light is due to the conduction of a small current of electricity through the tube by the gas. The size of the tubes can be varied in diameter from a fraction of an inch to several inches and they can be made hundreds of feet in length. They can be put together in any shape desired and made to conform to any style of architecture. Consequently this kind of light is applicable where incandescent lights are now used for lighting large areas. In an average store the installation consists of a continuous glass tube supported by simple fixtures on the four walls or ceiling at about the height of the picture moulding, and therefore out of the direct line of vision.

D. McFarlan Moore has been investigating this subject for twelve years, and within the last few months this system of lighting has been put into commercial use in many establishments. The advantages of the vacuum light are many. The ordinary alternating current from the street mains now used for incandescent lamps may be used, or when a direct current is the source a dynamotor is utilized. The cost of installation and operation depends upon the circumstances, but is less than the cost of a first class incandescent lighting system with its necessary wiring. The cost of maintenance is practically negligible as the life of the tubes is practically unlimited. The efficiency is about 1.3 watts per candle under good conditions, while that of the new high efficiency General Electric lamp is 2.5 watts per candle. The light requires no other attention than closing the switch when the light is desired. Its safety is apparent, for it eliminates a great deal of the dangerous wiring now used. The color can be made anything desired from a perfect duplication of average natural light to special tints, according to the spectrum of the gas used. Another distinct advantage is the more perfect diffusion gained from the continuous line of light.

ALUMNUS ADDRESSES CIVILS

Mr. Frank W. Hodgdon, '76, Chief of the Massachusetts Land and Harbor Commission, gave a very interesting talk at the Civil Engineering Society's smoker last Friday evening at the Union. He told of the Commission's work on the harbors and channels along the Massachusetts coast, and gave a number of stereoptican views on the subject. He also spoke of the reclamation of land in and about Boston, and told how the Back Bay district was built up. After Mr. Hodgdon's talk, refreshments were served.



WILLIAMS TRACK TEAM.

ries, some such action from Harvard has been not unexpected.

"In a broad sense, it is a pity that relations, which continued amiable between these old-time friends many years, should be disturbed, and yet it is infinitely better never to play Harvard again than to ever play her again subject to any further calumny and abuse. There may be regret at the passing of Harvard, for at Penn. the spirit is big enough to be friendly with all and at war with none. That is the principal reason why there may be regret."

CHRISTIAN ASSOCIATION

Professor Robert H. Richards gave an interesting address to the Christian Association in the Parish Hall Thursday. He spoke of his experiences in summer school work on the island of New Britain and other places in Canada, in view of showing how an engineer of the right stamp can, by furnishing wholesome surroundings and amusements, crowd out the baser desires of man and change a mining district from a godless waste into a law-abiding and thrifty settlement.

in building it up. The Society is also contemplating changing its *Annual* to a magazine to be published every two months, containing cuts of the current work of the Department, together with criticisms of the work, articles by the professors and alumni, and a department for the alumni, with cuts of work being done by the alumni.

INSTRUCTORS STUDY ENGINE.

The members of the Instructing Staff of the Department of Electrical Engineering are making a study of an internal combustion engine with particular reference to its use in automobiles. Their intention is to find the relation between the power of the engine and the character of the spark used to ignite the gas.

THE TECHNOLOGY FUND.

The Technology Fund Committee report that the amount subscribed now exceeds a quarter of a million dollars. It is expected that the work of the Committee will cease in June and every effort is being made to make as good a showing as possible on Commencement Day.