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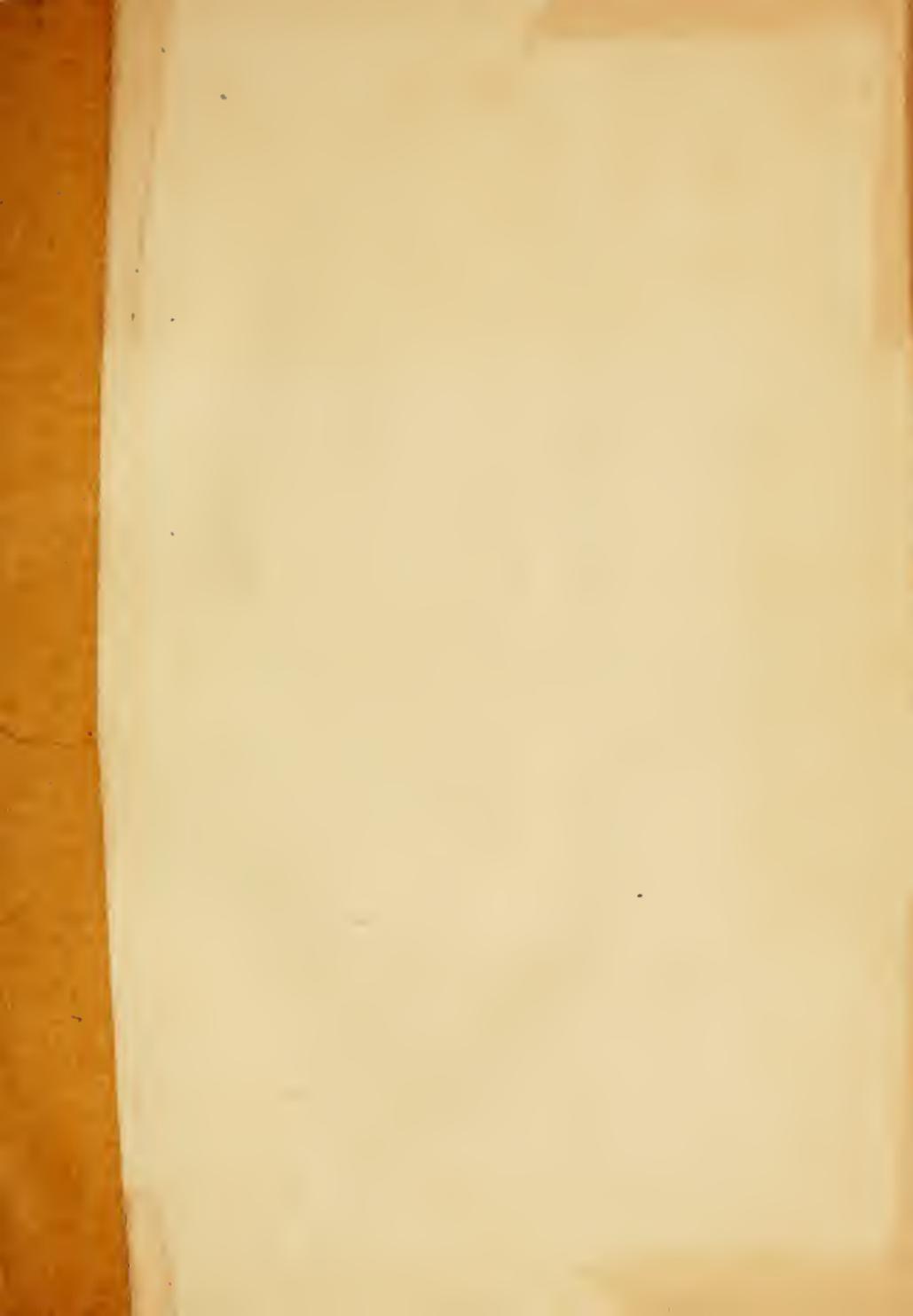
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HAVERFORD COLLEGE BULLETIN

VOL. VI

TENTH MONTH, 1907

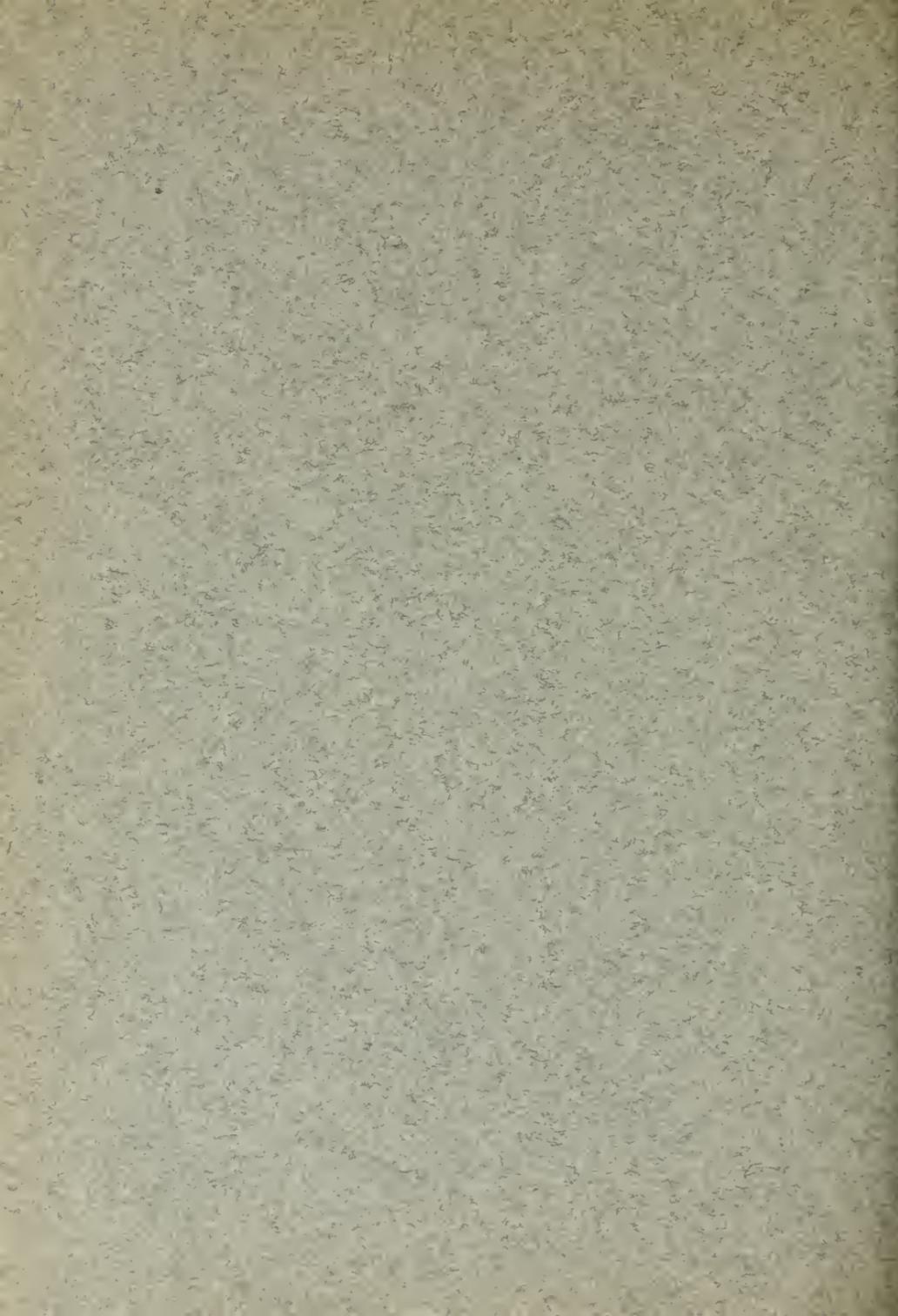
No. 1

Reports of the Board of Managers
President of the College and
Treasurer of the Corporation
1906=1907



Issued Quarterly by Haverford College,
Haverford, Pa.

Entered December 10, 1902, at Haverford, Pa.,
as Second Class Matter under the Act of Congress of July 16, 1894



THE CORPORATION
OF
HAVERFORD COLLEGE

REPORTS OF
BOARD OF MANAGERS
PRESIDENT OF THE COLLEGE
TREASURER OF THE CORPORATION

PRESENTED AT THE ANNUAL MEETING

TENTH MONTH 8TH, 1907

THE JOHN C. WINSTON COMPANY
PHILADELPHIA

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T. WISTAR BROWN235 Chestnut St., Philadelphia

Secretary.

J. STOGDELL STOKES1011 Diamond St., Philadelphia

Treasurer.

ASA S. WING.....409 Chestnut St., Philadelphia

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The chairman of the Board of Managers is *ex-officio* a member of all standing committees.

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LYMAN BEECHER HALL, Ph.D.
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Superintendent of Buildings and Grounds

CHARLES RUGLAS HOOVER, S.B.

Assistant in the Chemical Laboratory

REPORT OF THE BOARD OF MANAGERS
OF THE
CORPORATION OF HAVERFORD
COLLEGE, 1907

To the Corporation of Haverford College:

Your Board of Managers reports that the work of the College has been continued during the past year without special incident, but with continued success, and steady development along conservative lines.

On Commencement Day, Sixth Month, Fourteenth, four students were given Master's degrees for advanced study, while the degree of Bachelor of Arts was conferred on fifteen students, and the degree of Bachelor of Science on seventeen students.

The address to the graduating class was given by Ernest William Brown, Sc.D., F.R.S.

In the accompanying report of President Sharpless will be found notices of the changes in our Faculty.

The Board wishes to record its regret at losing the valued services of Ernest W. Brown and Wilfred P. Mustard, who have been members of our Faculty for many years. During this time their success as teachers has been marked, and their influence in college circles has been much appreciated. We hope that continued success will follow them in the larger institutions to which they have gone.

Attention has been given to maintaining and improv-

HAVERFORD COLLEGE.

ing the property of the College. The new light and heat plant has been completed, and is a valuable addition to our equipment. Subscriptions from interested friends have enabled our Committee on College Property to spend about \$700 in planting a large number of trees and shrubs, which are doing well, and will add greatly to the beauty of our grounds.

To provide room for more students it seemed best to remodel the unused Gymnasium Building adjoining Merion Cottage. This has been done during the past summer, giving desirable accommodation for twelve students, at an expense of about \$6,000.

The third story of Founders' Hall has been improved at a cost of about \$2,000 to give better accommodations for part of our help.

The financial results of the year have been encouraging, especially in view of the increased cost of many items of expense. Details will be found in the Treasurer's Report presented herewith. The accounts show a balance in receipts over expenditures of \$2,144.72, although a few bills for repairs in the fiscal year are not included.

The debt of the College has been decreased from \$115,374.99 to \$90,842.22, as follows:

By net amount received for right of way to the Philadelphia and Western R. R. Co.	\$17,910.94
By donations for dining hall, etc., paid for and charged in previous year's expenses	3,223.79
By receipts over expenses for current year	2,144.72
By receipts for account of previous years.....	1,253.32
	<hr/>
Total decrease in debt	\$24,532.77

HAVERFORD COLLEGE.

Of the above debt of \$90,842.22 only \$21,000 is chargeable to deficits in college work.

The \$112,000 balance referred to in our last report as due on land sold for account of the Jacob P. Jones Fund has been paid in, and invested in interest-bearing securities, thus adding to the annual income of the College.

In the year \$18,460.14 in donations was received for various purposes, as shown in our Treasurer's Report, besides \$6,000 given as a nucleus for the foundation of "The President Sharpless Fund," which we hope to see increased to \$50,000, to be used as a fund for the benefit of retired professors.

From the executors of the estate of Joseph E. Gillingham we have received \$50,000, and from the estate of Henry Norris \$5,000. Both legacies are without conditions—but, in accordance with the wish of Joseph E. Gillingham, part of the income of his legacy will be used for "free scholarships for meritorious students."

It appears that certain charitable bequests under the will of Henry Norris were invalidated by the fact that the will was not executed with requisite formality. It was, however, the unanimous desire of the beneficiaries under the will that the charitable bequests be paid in full, notwithstanding the technical defect. The Board therefore minuted its grateful appreciation of the generous action of the heirs in relinquishing their claims on the legacy intended for the benefit of the College.

Our acknowledgments are also due to the many friends who have contributed for specified purposes. This continued liberality makes it possible to maintain

HAVERFORD COLLEGE.

and extend our academic equipment without drawing on the regular income, which is so much needed for current expenses.

If Haverford is to be strengthened for its future, it must not only attract new students, but receive the continued support of all who have confidence in the record of the past.

On behalf of the Board,

CHARLES HARTSHORNE, *President Pro Tem.*

HOWARD COMFORT, *Secretary.*

PHILADELPHIA,

Tenth Month, Seventh, 1907.

PRESIDENT'S REPORT

To the Board of Managers:

Attendance

The President reports the register of attendance during the last and present years as follows:

1906-1907.

Faculty	Grads.	Seniors	Juniors	Sophs.	Freshmen	Total
20	5	32	27	38	45	167

1907-1908.

Faculty	Grads.	Seniors	Juniors	Sophs.	Freshmen	Total
21	4	31	33	36	39	164

This classification places the special students with the class with which they are the most closely identified. The number of special students is less than last year, and also the number of day students.

Loss of Professors

It becomes my duty to record the loss of two valuable professors.

Ernest W. Brown came to Haverford as Instructor in Mathematics in 1891. He had been graduated in high standing from Cambridge University, and had been Fellow in Christ's College.

His scientific reputation rapidly grew while at Haverford. His own University gave him the degree of Doctor of Science and the Royal

Haverford College.

Society made him a Fellow. His publications in Mathematical Astronomy have large recognition among scholars.

With scientific ability, he combined the qualities of a good teacher and of a good collaborer, winning the hearty respect of associates and students. He leaves us to become Professor of Mathematics in Yale University.

Wilfred P. Mustard came to Haverford College in charge of our work in Latin, from a similar position in Colorado College, two years after Dr. Brown. He had been graduated from Toronto and Johns Hopkins Universities.

His scholarship was extensive and accurate, and, as the author of "Classical Echoes in Tennyson" and other similar studies, he had become an authority in an interesting field.

He was most faithful and successful in his class-room work, his old students regarding him as a friend as well as a teacher. He has accepted the position of Professor of Latin in Johns Hopkins University.

New men will enter the faculty as follows:

William Hartas Jackson, M.A., of Cambridge University, England, becomes Associate Professor of Mathematics. He was "Third Wrangler" in 1901, and after an additional year of mathematical study, has since

**Additions to
the Faculty**

HAVERFORD COLLEGE.

held the position of Lecturer on Mathematics in Manchester University.

Richard M. Gummere, A.B., of Haverford, 1902, and Ph.D., of Harvard University, 1907, becomes Instructor in Latin.

Thomas K. Brown, Jr., A.B., 1906, and A.M., 1907, of Haverford, becomes Instructor in German. This is a new appointment made necessary by the growths of the departments of English and German, which have been combined under Drs. F. B. Gummere and A. E. Hancock.

Walter M. Mitchell, Ph.D., and for three years Fellow in Astronomy, of Princeton University, becomes Instructor in Astronomy. This, also is a new appointment and places the observatory under the care of a man who will have no other duties, and who has made the subject a specialty.

**Lectures and
Public Events**

The lectures and other public affairs for the last collegiate year were as follows:

Haverford Library Lectures:

“The Religious History of Scotland in the Eighteenth Century,” three lectures by Dr. John Watson (Ian MacLaren).

2nd mo. 14th, 19th, and 26th, 1907.

The Thomas Shipley Lecture on English Literature:

Haverford College.

"Longfellow," by Professor Barrett Wendell, of Harvard University.

4th mo. 26th, 1907.

Other Lectures:

"New Guinea Savages" (illustrated), by Dr. Alfred C. Haddon, F.R.S., University Lecturer in Ethnology at Cambridge, England.

11th mo. 5th, 1906.

"Through Persia into Central Asia" (illustrated), by A. V. Williams Jackson, Ph.D., LL.D., Professor of Indo-Iranian Languages in Columbia University. Lecture delivered under the auspices of the Phi Beta Kappa Society.

12th mo. 7th, 1906.

"Political Conditions in Pennsylvania," by Isaac Sharpless, President of Haverford College. Lecture delivered under the auspices of the Civic Department of the Loganian Society.

12th mo. 11th, 1906.

"Scientific Oyster Culture in the Chesapeake" (illustrated), by Caswell Grave, Ph.D. Lecture delivered under the auspices of the Scientific Department of the Loganian Society.

1st mo. 22nd, 1907.

A meeting in behalf of The Hampton Normal and Agricultural Institute, addressed by the assistant chaplain, Edward L. Chichester;

Haverford College.

on behalf of the Negroes by the Commandant, Major Robert R. Moton, and on behalf of the Indians by Charles Doxon.

Singing by the Hampton Quartet.

3rd mo. 1st, 1907.

“Roman Remains in Southern France” (illustrated), by Wilfred P. Mustard, Ph.D., Professor of Latin in Haverford College. Lecture delivered under the auspices of the Classical Department. 4th mo. 8th, 1907.

Other Public Events:

Annual contest in extemporaneous speaking, between the Sophomore and Freshman classes, for the Everett Society Medal.

5th mo. 2nd, 1907.

Annual contest in oratory, between the Senior and Junior classes, for the Alumni Prize.

5th mo. 24th, 1907.

Commencement Day. Commencement exercises in Roberts Hall, with address by Ernest W. Brown, S.D., F.R.S., Professor of Mathematics in Haverford College. Informal Alumni program. Alumni business meeting.

6th mo. 14th, 1907.

**Improvements to
Dormitories**

During the past year the gymnasium adjoining Merion Cottage, which was originally occupied by the Haverford Grammar School, has been fitted up for students at a cost of

HAVERFORD COLLEGE.

about \$6,000.00. It will accommodate from twelve to sixteen students comfortably. The rooms in Merion Cottage and this Annex, including board and tuition, now rent for \$375.00 a year. As they are very comfortable and well arranged, they have been much in demand at this price at the expense of accommodations in Barclay Hall. It is probable that the price does not represent the relative desirability of the rooms and that further adjustment should be made.

We have also spent about \$2,000.00 in repairing the third story of Founders' Hall. Part of this is occupied by students and the balance has been made into servants' quarters.

All of the dormitories are now in excellent condition, with the exception of Barclay Hall. This building is radically wrong in its arrangements and should, I think, be renovated another summer. The best way to do this would be to build an additional staircase and divide the whole into three separate buildings, with ample bathing accommodations on each floor of each section. Various smaller repairs have also been made during the year.

The Campus Club, in conjunction with the **The Lawn** Property Committee of the College, exerted itself to procure money for improvements on the lawn. As a result, the sum of \$795.00 was raised and a large number of trees and shrubs was planted. A double row of willow

Haverford College.

oaks was placed along the lane leading from Haverford Road to the farm house. Oaks of different sorts were planted in the vacant places in old rows of trees and groups of shrubbery were set out around the bases of the buildings and elsewhere. The planting was done under the direction of Samuel Parsons, of the Class of 1861, Landscape Architect of New York Central Park. A large amount of trimming of the old trees was also effected.

The Library

During the year ending 9th month 30th, 1907, there were added to the library 1,861 volumes, of which 860 were bought, 532 were gifts, 20 were exchanges for duplicates, 242 came from the United States Government "on deposit," and 207 were periodicals and pamphlets bound.

The total number of bound volumes in the library at the above date was 48,952.

During the year 6,876 volumes were withdrawn for use outside the building. Of this number 3,236 were withdrawn by students, 2,422 by members of the faculty and others connected with the College, 597 by residents on the college grounds and in the neighborhood, and 621 volumes were withdrawn for use over night. The large decrease, as compared with last year, of books "withdrawn for use over night" is due to the opening of the library five evenings in the week. Except

Haverford College.

for short intermissions for meals, it is now open from 8.30 a. m. to 10 p. m.

The library is, as usual, under obligations for valuable contributions. Among the gifts are 106 volumes from the library of the late Edward Backhouse, of Sunderland, England. These books, the gift of Thomas William Backhouse, are a valuable addition to the collection of Friends' literature. From Norman Penney, Librarian of Devonshire House Library, have come 25 volumes and a number of scarce pamphlets, etc., relating to Friends.

The Class of 1900 has added 138 volumes to the collection of standard English fiction. From Caroline N. and Charles J. Rhoads have come 58 volumes relating to ethics, from the library of their father, the late Dr. James E. Rhoads.

Besides these special gifts, others, as stated in the appendix, have been presented.

The steadily increasing size of the collection emphasizes the need for storage room for the long lines of periodicals and other works not in active demand.

Since treating of the subject of pensions for retiring professors in my report of a year ago, the continued activity of the Carnegie Foundation has kept the matter prominently before the college public. It probably would not be truthful to say that the loss of two valuable professors this year has been due to

Pensions

Haverford College.

the ineligibility of Haverford College, on account of a denominational restriction applying to the Board of Managers, to a place among the accepted institutions who receive the general fund. How far it entered as a secondary consideration into the decision, I cannot say.

But the prospect of a yearly income varying from \$1,000.00 to \$3,000.00 coming, not as a charity, but as a part of the compensation properly attached to the position, cannot fail to have its influence upon a man approaching or past middle life.

It is doubtful whether we can hold all the men whom we most desire to hold, unless we make a similar provision or its equivalent. It is, therefore, a satisfaction to record the fact that money amounting at present to \$6,000.00 has been paid into the treasury by interested friends, as the nucleus of a fund for accomplishing this result in such a way as the President and the Board of Managers may decide to be most desirable. The one condition attached is that the income is not available till the fund reaches \$50,000.00.

New Scholarships

As fulfilling the wish of Joseph E. Gillingham, whose welcome bequest of \$50,000.00 has been received during the year, four new scholarships of \$200.00 each have been created to be given to meritorious students.

HAVERFORD COLLEGE.

In 1833 Haverford School opened. One year hence, in the tenth month, the Institution will have completed its seventy-fifth year. The Board of Managers and the Alumni Association have taken steps to arrange that this occasion shall be properly celebrated. A committee of the latter body is under appointment to plan the exercises. It has been proposed that these should include, among other features, the following:

Seventy-fifth
Birthday

1. A gathering of all old Haverfordians on the grounds of the College, with appropriate literary and recreational features. This notice should warn everyone to make his preparations to be on hand on the day or days fixed. It ought not to be impossible to have the largest percentage of old students in attendance that ever gathered on a similar occasion at any college.

2. An educational meeting or meetings, to which should be invited representatives of other colleges and universities, to be addressed by men most worth hearing in the United States.

3. The presentation to the Board of Managers of a fund of large dimensions, the united offering of the old students and other friends of the College, for any useful purpose nearest the hearts of the individual donors.

Already there are intimations that this fund is a matter of interest to some of our

Haverford College.

friends. Among other needs of the College, which may be considered in this connection, the following have been suggested:

(a) An Educational Building, embracing lecture rooms and laboratories, costing possibly, with equipment, \$150,000.00.

(b) The endowment of the Professorship of English with \$100,000.00.

(c) The completion of the Pension Fund mentioned above to \$50,000.00 or over.

(d) The addition of two sections to Lloyd Hall, each costing about \$12,000.00.

(e) The increase of the fund for buying books and other improvements to the Library by \$50,000.00.

(f) The endowment of Athletics, as proposed by the Athletic Committee of the Alumni Association, so as to abolish gate receipts, to an amount of \$25,000.00.

It would be easy to extend this list and bring it down into smaller items. It is now mentioned that the matter may rest with those who are interested in the permanent prosperity of the College, whether in the way of large or small donations. The occasion will be valuable if it succeeds in crystallizing into action a number of good resolutions.

Prior to 1903 the Haverford Library Lectures had been given by different men at irregular times whenever special arrangement

Haverford College.

could be made. At this time, it was decided to invite one scholar each year to give a connected series which should afterward be printed in book form with enlargement by the author if desired. This double use, as lectures and as books, has added much to the profit of the course. The following courses have been given:

1903. "The Religion of the Educated Man," by Francis Greenwood Peabody, Plummer Professor of Christian Morals in Harvard University.

1904. "From Epicurus to Christ," by William DeWitt Hyde, President of Bowdoin College.

1905. "The United States, a Christian Nation," by David J. Brewer, Justice of the United States Supreme Court.

1906. "The Laws of Friendship, Human and Divine," by Henry Churchill King, President of Oberlin College.

1907. "The Religious History of Scotland in the Eighteenth Century," by Dr. John Watson (Ian MacLaren).

The first three of these have been published and extensively sold. The manuscript of President King's Lectures, which he is revising, has not yet been received, and the lamented death of Dr. Watson makes it doubtful whether the changes and additions which

Haverford College.

he contemplated before publication will be completed.

The aggregate of influence resulting from the delivery and printing of these lectures has been great. Our students have heard solid religious and moral truth from the mouths of men of high scholarship and consistent lives, and have felt the impulse, in some cases, profoundly.

Respectfully submitted,

ISAAC SHARPLESS,

President.

Haverford College,

10th mo. 1st, 1907.

PUBLICATIONS OF THE FACULTY
1906-1907

BABBITT, JAMES A.—*The Naso-pharyngeal Examination in the Preparatory School*. Annals of Otology, Rhinology and Laryngology, June, 1907.

Official Bulletin of the American Intercollegiate Football Rules Committee, Nos. 1 and 2, October, 1906, and April, 1907.

Athletic Number, Haverford College Bulletin, Vol. V, No. 4, Sixth month, 1907.

BOLLES, ALBERT S.—*The Modern Law of Banking*. 2 vols., 8vo, pp. 1,203. George T. Bisel Company, Philadelphia.

The Quantitative Theory of Prices. Journal of Political Economy, Chicago, January, 1907, pp. 15.

COMFORT, WILLIAM W.—*Modern Spanish Fiction*. Atlantic Monthly, March, 1907.

GUMMERE, FRANCIS B.—*The Popular Ballad*. Opening volume in a new series of histories of English Literature. Houghton, Mifflin & Co., 1907.

HALL, LYMAN B.—Review of Ostwald's *Leitlinien der Chemie*. Journal of the American Chemical Society, March, 1907.

JONES, RUFUS M.—*The Primitive Quaker Conception*. Fellowship Papers, Vol. 1, No. 1, pp. 10-25. London, February, 1907.

HAVERFORD COLLEGE.

MUSTARD, WILFRED P.—Review of Billson's *Translation of the Æneid*. *Classical Journal*, November, 1906.

Report of *Rheinisches Museum für Philologie*, Vol. LXI. *American Journal of Philology*, Vol. XXVIII, No. 2.

Note on Dyboski's *Tennyson's Sprache und Stil*. *American Journal of Philology*, Vol. XXVIII, No. 2.

Paper on *Virgil's Georgics and the British Poets*. *Proceedings of the American Philological Association*, Vol. XXXVII.

Review of W. W. Greg's *Pastoral Poetry and Pastoral Drama*. *American Journal of Philology*, Vol. XXVIII, No. 3.

SHARPLESS, ISAAC.—*A Pennsylvania Quaker Boy*. *Atlantic Monthly*, October, 1907.

THOMAS, ALLEN C.—*John Hancock, the Man and the Patriot*. A paper read before the Empire State Society, Sons of the American Revolution, New York City, March 12, 1907. Printed by the Society, pp. 40, 1907.

SUMMARY OF THE ACCOUNT
OF THE
TREASURER OF THE CORPORATION
OF HAVERFORD COLLEGE

From Eighth mo. 31st, 1906, to Eighth mo. 31st, 1907.

RECEIPTS.

Income from investments:

General Endowment Fund	\$ 4,789.90
Thomas P. Cope Fund	300.17
Edward Yarnall Fund	266.48
Alumni Library Fund	547.74
Isaiah V. Williamson Fund	1,199.11
John Farnum Memorial Fund	1,705.39
John M. Whittall Fund	465.41
Richard T. Jones Scholarship Fund.....	225.00
David Scull Fund	1,943.85
Edward L. Scull Fund	544.52
New Library Fund	276.43
Wistar Morris Memorial Fund	208.26
Mary Farnum Brown Library Fund	1,551.31
Mary M. Johnson Scholarship Fund.....	344.44
Sarah Marshall Scholarship Fund.....	327.97
Israel Franklin Whittall Fund	587.07
Jacob P. Jones Endowment Fund.....	29,970.46
Clementine Cope Fellowship Fund.....	1,188.18
John Farnum Brown Fund for Bible Study, etc	5,090.90
Ellen Waln Fund	571.35
Clementine Cope Endowment Fund.....	1,072.55
Nathan Branson Hill Fund	19.15
Thomas Shipley Fund	229.50

HAVERFORD COLLEGE.

Elliston P. Morris Fund	\$ 46.75	
The President Sharpless Fund	1.91	
Henry Norris Fund	38.60	
	\$ 53,512.40	
Board and tuition, cash	\$ 46,434.19	
" " " scholarships	14,275.00	
	\$ 60,709.19	
Board of professors	1,095.00	
Rents	3,051.00	
Farm	1,135.19	
Stationery	526.01	
Income credited to Contingent Account	113.06	
Receipts for account of previous years	1,253.32	
Legacies:		
Estate of Joseph E. Gillingham	\$ 50,000.00	
Estate of Henry Norris	5,000.00	
	\$ 55,000.00	
Donations:		
For power house plant	\$ 12,900.00	
For founding The President Sharpless Fund	6,000.00	
For new Dining Hall	3,189.34	
For lawn improvements	795.00	
For salaries	600.00	
For books, prizes, etc.	575.80	
For scholarship	400.00	
	\$ 24,460.14	
Money borrowed temporarily	98,350.00	
Proceeds of land sold	112,000.00	
Net receipts of right of way to Philadelphia and Western R. R. Co.	17,910.94	
Investments:		
General Endowment Fund	\$ 22,500.00	
Thomas P. Cope Fund	2,400.00	
Edward Yarnall Fund	3,000.00	
Isaiah V. Williamson Fund	5,500.00	
John Farnum Memorial Fund	5,000.00	

Haverford College.

John M. Whittall Fund	\$ 4,000.00
David Scull Fund	200.00
New Library Fund	3,500.00
Mary Farnum Brown Library Fund	4,000.00
Mary M. Johnson Scholarship Fund	2,000.00
Jacob P. Jones Endowment Fund	144,543.12
John Farnum Brown Fund for Bible Study, etc.	10,000.00
Ellen Waln Fund	7,000.00
	\$213,643.12
Balance on hand Eighth month 31st, 1906:	
In the hands of the President	\$ 837.76
In the hands of the Treasurer	261.80
	\$ 1,099.56
	\$643,858.93

PAYMENTS.

Salaries	\$ 43,150.00
Provisions	17,850.52
Wages	11,338.11
Repairs and improvements	8,636.18
Fuel and lights	5,300.86
Interest	3,937.57
Family expenses and furniture	2,286.81
Lawn and garden	2,783.22
Taxes	1,153.42
Incidentals	663.28
Scientific equipment	201.47
Gymnasium and athletics	204.08
Printing and advertising	1,341.98
Insurance	568.12
Books, etc., from income Alumni Library Fund	547.60
Books, etc., from income New Library Fund	271.43
Books, etc., from income Mary Farnum Brown Library Fund	819.96

Haverford College.

Lectures from income Mary Farnum Brown		
Library Fund	400.00	
Lectures from income Thomas Shipley Fund	120.00	
	\$101,574.61	
Scholarships and Fellowships:		
Income General Endowment Fund.....\$	1,500.00	
" Thomas P. Cope Fund.....	200.00	
" Edward Yarnall Fund	300.00	
" Isaiah V. Williamson Fund.....	900.00	
" Richard T. Jones Scholarship		
Fund	225.00	
" Jacob P. Jones Endowment Fund	9,200.00	
" Mary M. Johnson Scholarship		
Fund	400.00	
" Sarah Marshall Scholarship Fund	400.00	
" Clementine Cope Fellowship Fund	1,285.00	
	\$ 14,410.00	
Paid out of special donations:		
For new power plant	\$ 24,160.13	
For salaries	800.00	
For lawn improvements	707.08	
For scholarship	400.00	
For books, prizes, etc	595.83	
	\$ 26,663.04	
Paid temporarily on account of loans using		
funds awaiting reinvestment		\$ 90,150.00
Investments:		
General Endowment Fund	\$ 23,090.80	
Thomas P. Cope Fund	2,943.90	
Edward Yarnall Fund	3,700.00	
Isaiah V. Williamson Fund	5,905.40	
John Farnum Memorial Fund	5,000.00	
John M. Whittall Fund	3,608.00	
David Scull Fund	1,640.00	
New Library Fund	3,280.00	
Mary Farnum Brown Library Fund.....	6,956.20	
Mary M. Johnson Scholarship Fund	2,000.00	
Jacob P. Jones Endowment Fund	275,584.05	

Haverford College.

Clementine Cope Fellowship Fund	981.30	
John Farnum Brown Fund for Bible Study, etc.	10,132.50	
Ellen Waln Fund	6,869.10	
Joseph E. Gillingham Fund	47,213.35	
The President Sharpless Fund	5,894.84	
Henry Norris Fund	4,465.65	
		<hr/>
		\$409,265.09
Balance on hand Eighth month 31st, 1907:		
In the hands of the President. \$	1,789.11	
In the hands of the Treasurer	7.08	
		<hr/>
		\$ 1,796.19
		<hr/>
		\$643,858.93

FINANCIAL STATEMENT

For the Year ending Eighth month 31st, 1907.

Expense of running the College, as per Treasurer's Statement	\$101,574.61
Receipts for Board and Tuition, Rents, Farm and from all other sources connected with the business of the College	66,516.39
	<hr/>
Leaving a deficiency of	\$ 35,058.22
Income from Invested Funds and Donations applicable to Scholarships and running expenses	37,202.94
	<hr/>
Leaving net surplus applicable to previous deficits..	\$ 2,144.72

THOMAS P. COPE FUND.

Founded 1842.

Par value of invested funds	\$ 5,550.00
Principal uninvested	482.46
	<hr/>
Total fund	\$ 6,032.46
Income on hand at beginning of year.....	\$.87
Income received during the year	300.17
	<hr/>
	\$ 301.04
Paid for the Thomas P. Cope Scholarships	200.00
	<hr/>
Balance on hand at end of the year	\$ 101.04

GENERAL ENDOWMENT FUND.

Established 1847 and increased from time to time since.

Par value of invested funds	\$102,900.00
Principal uninvested	700.97
	<hr/>
Total fund	\$103,600.97
Income received during the year	4,789.90
Paid for scholarships	\$1,500.00
Paid for general college expenses	3,289.90
	<hr/>
	\$ 4,789.90

HAVERFORD COLLEGE.

EDWARD YARNALL FUND.

Founded 1860.

Par value of invested funds	\$ 6,200.00
Principal overinvested	62.54
<hr/>	
Total fund	\$ 6,137.46
Income on hand at beginning of year.....	\$ 38.99
Income received during year	266.48
<hr/>	
Paid for the Edward Yarnall Scholarships.....	\$ 305.47
	300.00
<hr/>	
Income on hand at end of year	\$ 5.47

ALUMNI LIBRARY FUND.

Established by the Alumni Association, 1863.

Par value of invested funds	\$ 11,200.00
Principal uninvested	267.09
<hr/>	
Total fund	\$ 11,467.09
Income on hand at beginning of year	\$105.19
Income received during the year	547.74
<hr/>	
Paid for books, etc.	\$ 652.93
	542.60
<hr/>	
Income on hand at end of year	\$ 110.33

ISAIAH V. WILLIAMSON FUND.

Founded 1876 and increased 1883.

Par value of invested funds	\$ 21,766.66
Principal uninvested	18.64
<hr/>	
Total fund	\$ 21,785.30
Income received during the year	\$1,199.11
Less income overdrawn at beginning of year...	173.03
<hr/>	
Paid for I. V. Williamson Scholarships	\$ 1,026.08
	900.00
<hr/>	
Income on hand at end of year	\$ 126.08

Haverford College.

JOHN FARNUM MEMORIAL FUND.

Established 1878, increased by Legacy of Elizabeth H. Farnum
in 1899.

Par value of invested funds	\$ 39,800.00
Principal uninvested	330.00
	<hr/>
Total fund	\$ 40,130.00
Income received during the year	1,705.39
Paid toward support of Chair endowed by this fund..	1,705.39

JOHN M. WHITALL FUND.

Founded in 1880.

Par value of invested funds	\$ 10,000.00
Principal uninvested	425.89
	<hr/>
Total fund	\$ 10,425.89
Income received during the year	465.41
Appropriated for salaries	465.41

EDWARD L. SCULL LEGACY.

Received in 1885.

Par value of invested funds	\$ 12,100.00
Principal uninvested	71.57
	<hr/>
Total fund	\$ 12,171.57
Income received during the year	544.52
Appropriated for salaries	544.52

DAVID SCULL FUND.

Founded 1885.

Par value of invested funds	\$46,300.00
Principal uninvested	285.73
	<hr/>
Total fund	\$ 46,585.73
Income received during the year	1,943.85
Paid toward salaries, etc.	1,943.85

HAVERFORD COLLEGE.

RICHARD T. JONES SCHOLARSHIP FUND.

Founded by Will of Jacob P. Jones, 1885.

Par value of the fund	\$ 5,000.00
Income received during the year	225.00
Paid for Richard T. Jones Scholarship	225.00

NEW LIBRARY FUND.

Founded 1892.

Par value of invested funds	\$ 7,000.00
Amount uninvested	245.18
<hr/>	
Total fund	\$ 7,245.18
Income received during the year	276.43
Paid for books, etc.	276.43

WISTAR MORRIS MEMORIAL FUND.

Founded 1892.

Par value of fund, all invested	\$ 5,000.00
Income received during the year	208.26
Appropriated for salaries	208.26

MARY FARNUM BROWN LIBRARY FUND.

Founded 1892.

Par value of invested funds	\$ 33,500.00
Amount uninvested	423.72
<hr/>	
Total fund	\$ 33,923.72
Income received during the year	1,551.31
Income appropriated for books, etc.	\$819.96
Income appropriated for lectures	400.00
Income transferred to principal	331.35
<hr/>	
	\$ 1,551.31

HAVERFORD COLLEGE.

ISRAEL FRANKLIN WHITALL FUND.

Founded 1896.

Par value of invested funds	\$ 12,000.00
Amount uninvested	466.87
<hr/>	
Total fund	\$ 12,466.87
Income received during the year	587.07
Appropriated for salaries	587.07

MARY M. JOHNSON SCHOLARSHIP FUND.

Founded 1897.

Par value of invested funds	\$ 8,000.00
Amount uninvested	395.00
<hr/>	
Total fund	\$ 8,395.00
Income on hand at beginning of year	\$120.72
Income received during the year	344.44
	<hr/>
	\$ 465.16
Paid for Mary M. Johnson Scholarships	400.00
<hr/>	
Income on hand at end of year	\$ 65.16

SARAH MARSHALL SCHOLARSHIP FUND.

Founded 1897.

Par value of invested funds	\$ 7,000.00
Amount uninvested	771.19
<hr/>	
Total fund	\$ 7,771.19
Income on hand at beginning of the year.....	\$114.87
Income received during the year	327.97
	<hr/>
	\$ 442.84
Paid for Sarah Marshall Scholarships	400.00
<hr/>	
Income on hand at end of the year	\$ 42.84

Haverford College.

JACOB P. JONES ENDOWMENT FUND.

Founded 1897.

Par value of invested funds	\$638,961.88
Amount uninvested	9,875.89
	<hr/>
Total fund	\$648,837.77
Income received during the year	29,970.46
Appropriated for scholarships	\$ 9,200.00
Appropriated for general expenses	20,770.46
	<hr/>
	\$ 29,970.46

CLEMENTINE COPE FELLOWSHIP FUND.

Founded 1899.

Par value of invested funds	\$ 24,800.00
Amount uninvested	297.70
	<hr/>
Total fund	\$ 25,097.70
Income on hand at beginning of the year....	\$ 643.42
Income received during the year	1,188.18
	<hr/>
	\$ 1,831.60
Paid for fellowships	1,285.00
	<hr/>
Income on hand at end of year	\$ 546.60

JOHN FARNUM BROWN FUND FOR BIBLE STUDY AND RELIGIOUS TEACHING.

Founded 1900 and increased later.

Par value of invested funds	\$127,500.00
Amount uninvested	1,874.04
	<hr/>
Total fund	\$129,374.04
Income received during the year	5,090.90
Income appropriated for salaries, etc.	\$3,827.44
Income transferred to principal account.....	1,263.46
	<hr/>
	\$ 5,090.90

HAVERFORD COLLEGE.

ELLEN WALN FUND.

Founded 1900.

Par value of invested funds	\$ 11,000.00
Amount uninvested	97.10
<hr/>	
Total fund	\$ 11,097.10
Income received during the year	571.35
Income appropriated for general expenses	571.35

CLEMENTINE COPE ENDOWMENT FUND.

Founded 1904.

Par value of invested funds	\$ 31,000.00
Amount uninvested	108.75
<hr/>	
Total fund	\$ 31,108.75
Income received during the year	1,072.55
Income appropriated for general expenses	1,072.55

THOMAS SHIPLEY FUND.

Founded 1904.

Par value of invested funds	\$ 5,000.00
Amount uninvested	225.00
<hr/>	
Total fund	\$ 5,225.00
Income on hand at beginning of the year.....	\$189.00
Income received during the year	229.50
<hr/>	
Income appropriated for lectures	\$ 418.50
Income appropriated for lectures	120.00
Income on hand at end of the year	298.50

NATHAN BRANSON HILL TRUST.

Fund Established in 1904, held in trust by Minneapolis Trust Company, Minneapolis, Minn.

Income received during the year	\$ 19.15
Income appropriated for expenses	19.15

Haverford College.

ELLISTON P. MORRIS FUND.

Founded 1906.

Par value of invested funds	\$ 1,000.00
Amount uninvested	188.75
<hr/>	
Total fund	\$ 1,188.75
Income on hand at beginning of year.....	\$25.28
Income received during the year	46.75
	<hr/>
	\$ 72.03
Income on hand at end of year	\$ 72.03

JOSEPH E. GILLINGHAM FUND.

Founded 1907.

Par value of invested funds	\$ 50,000.00
Amount uninvested	2,786.65
<hr/>	
Total fund	\$ 52,786.65

THE PRESIDENT SHARPLESS FUND.

Founded 1907.

Par value of invested funds	\$ 7,000.00
Amount uninvested	107.07
<hr/>	
Total fund	\$ 7,107.07
Income received during year	1.91
Income added to principal	1.91

HENRY NORRIS FUND.

Founded 1907.

Par value of invested funds	\$ 5,000.00
Amount uninvested	534.35
<hr/>	
Total fund	\$ 5,534.35
Income received during year	38.60
Income appropriated for general expenses.....	38.60

HAVERFORD COLLEGE.

SUMMARY OF THE FUNDS.

General Endowment Fund	\$ 103,600.97
Thomas P. Cope Fund	6,032.46
Edward Yarnall Fund	6,137.46
Alumni Library Fund	11,467.09
Isaiah V. Williamson Fund	21,785.30
John Farnum Memorial Fund	40,130.00
John M. Whittall Fund	10,425.89
Richard T. Jones Scholarship Fund	5,000.00
David Scull Fund	46,585.73
Edward L. Scull Fund	12,171.57
New Library Fund	7,245.18
Wistar Morris Memorial Fund	5,000.00
Mary Farnum Brown Library Fund	33,923.72
Mary M. Johnson Scholarship Fund	8,395.00
Sarah Marshall Scholarship Fund	7,771.19
Israel Franklin Whittall Fund	12,466.87
Jacob P. Jones Endowment Fund	648,837.77
Clementine Cope Fellowship Fund	25,097.70
John Farnum Brown Memorial Fund for Bible Study and Religious Teaching	129,374.04
Ellen Waln Fund	11,097.10
Clementine Cope Endowment Fund	31,108.75
Thomas Shipley Fund	5,225.00
Elliston P. Morris Fund	1,188.75
Joseph E. Gillingham Fund	52,786.65
The President Sharpless Fund	7,107.07
Henry Norris Fund	5,534.35

Total par value\$1,255,495.61
 being \$182,899.69 more than reported one year ago, as follows:
 Proceeds of real estate sold for account of Jacob P.

Jones Endowment Fund	\$ 112,000.00
Legacy under will of Joseph E. Gillingham	50,000.00
Gifts for founding The President Sharpless Fund....	6,000.00
Legacy under will of Henry Norris	5,000.00
Variations from par in price of securities.....	8,189.91

LIST OF GIFTS TO THE LIBRARY OF HAVERFORD COLLEGE 1906-1907

	Volumes
Class of 1900	139
T. W. Backhouse	123
C. N. and C. J. Rhoads	58
G. and E. C. Peirce	18
Royal Observatory, Cape of Good Hope.....	6
Mrs. Charles Roberts	6
Norman Penney	5
Howard Comfort	4
Smithsonian Institution	3
Stuart Wood	2

F. B. Gummere, J. C. Trautwine, Jr., and J. C. Trautwine, 3d, Jefferson Physical Laboratory, Harvard University, and many others, one volume each. From Norman Penney numerous valuable pamphlets relating to Friends, and from many others one or more pamphlets each.

CASH DONATIONS FOR THE YEAR ENDING 8th MONTH 31st, 1907

Samuel L. Allen	\$ 1,100.00
Albert L. Baily	25.00
Joshua L. Baily	270.00
Edwin J. Bevan	6.00
Albert S. Bolles	4.50
David J. Brewer	44.91
T. Wistar Brown	5,000.00
Dr. William W. Cadbury	10.00
Class of 1879	100.00
Class of 1896	20.00
Class of 1898	10.00
Class of 1905	175.00
Henry H. Collins	50.00
Howard Comfort	100.00
William Wistar Comfort	15.00
John H. Converse	1,000.00
Henry Cope	25.00
Thomas DeWitt Cuyler	25.00
Charles E. Estlack	25.00
F. Algernon Evans	20.00
A Friend	125.00
J. M. Fox	5.00
John B. Garrett	210.00
Joseph H. Haines	50.00
Anthony A. Hirst	25.00
Clarence Gilbert Hoag	10.00
Furman S. Howson	10.00
Abram F. Huston	700.00
Charles L. Huston	350.00
Mrs. William F. Jenks	5.00

HAVERFORD COLLEGE.

Alba B. Johnson	\$ 300.00
Catherine W. Morris	5.00
C. Christopher Morris	30.00
J. Whitall Nicholson	200.00
Harold Peirce	50.00
Dr. Samuel Rhoads	30.00
Alfred G. Scattergood	50.00
J. Henry Scattergood	25.00
David Scull	25.00
William E. Scull	5.00
Samuel R. Shipley	100.00
Walter Penn Shipley	250.00
Albert K. Smiley	25.00
Alfred Percival Smith	400.00
Edgar Thomas Snipes	10.00
Jonathan M. Steere	33.34
Francis Stokes	25.00
Francis R. Strawbridge	50.00
Frederic H. Strawbridge	7,550.00
W. Henry Sutton	20.00
Frederic A. Swan	20.00
Albert Syze	10.00
Edward B. Taylor	100.00
George Vaux, Jr.	250.00
A. and S. W.	1,000.00
John M. Whitall	2,800.00
Francis A. White	500.00
Robert N. Wilson	5.00
Asa S. Wing	50.00
John C. Winston	50.00
Thomas Wistar	30.00
George Wood	34.45
L. Hollingsworth Wood	50.00
Stuart Wood	251.94
Walter Wood	605.00
Ethel L. J. Wright	5.00
Total	\$24,460.14

ELEVENTH ANNUAL
EVERETT MEDAL ORATORICAL
CONTEST, 1907

EXTEMPORANEOUS SPEAKING

FIFTH MONTH 2ND.

- "IN HONOR OF DELAWARE" Clarence Creadick Killen, '09
"THE FATE OF THE PHILIPPINES" Samuel Abraham Rabinowitz, '10
"THE POWER OF PUBLIC OPINION" Howard Milton Lutz, '09
"THE RETURN TO NATURE" Alfred Ingersoll Phillips, Jr., '10
"THE YELLOW PERIL" Sidney Loewenstein, '09
"THE CHILDREN AND THE FACTORIES" . . William Chase Greene, '10
"THE PROBLEM OF DISARMAMENT,"
Mark Herbert Carver Spiers, '09
"STABILITY—AN AMERICAN TRAIT" John French Wilson, '10
-

ANNUAL ALUMNI PRIZE CONTEST
IN ORATORY, 1907

FIFTH MONTH 24TH.

- "THE CRY OF THE CHILDREN" Richard Arnold Ricks, Jr., '07
"THE INCARNATION OF MAN" James Carey Thomas, '08
"THE NEW AMERICAN" Cecil Kent Drinker, '08
"NATURE AND CIVILIZATION" Ira Jacob Dodge, '07
"THE TASK OF THE TRUE REFORMER,"
Joseph Passmore Elkinton, '08
"THE SENATOR FROM SOUTH CAROLINA,"
Raleigh Cabell Lindsay, '07

EXERCISES OF COMMENCEMENT DAY

SIXTH MONTH 14TH, 1907.

ORDER OF EXERCISES.

- 11.00 A. M.—I. Commencement Exercises in Roberts Hall.
1. Introductory remarks by President Sharpless.
 2. Announcement of Prizes and Honors.
 3. Conferring of Degrees.
 4. Address to the Graduates by Ernest William Brown, Sc.D., F.R.S., Professor of Mathematics in Haverford College.
- 12.15 P. M.—II. Presentation of Cricket Prizes in front of Founders' Hall.
- 12.30 P. M.—III. Luncheon on the Lawn.
- 1.30 P. M.—IV. Alumni Cricket Game on Cope Field.
- 3.00 P. M.—V. Cricket and Baseball Games on Walton Field.
- 4.30 P. M.—VI. Afternoon Tea (for Alumni and Invited Guests) in the Mary Newlin Smith Memorial Garden.
- 6.00 P. M.—VII. Alumni Business Meeting in Roberts Hall.
- 7.30 P. M.—VIII. Alumni Supper (for Alumni and Invited Guests) on the Lawn.
- 8.30 P. M.—IX. Singing.

SCHEDULE OF RECITATIONS FOR THE COLLEGIATE YEAR 1906-1907

	8.30	9.30	10.30	11.30	1.30	2.00	3.00
SECOND DAY		Bib. Lit. II Bib. Lit. III Bib. Lit. II Bib. Lit. IV Bib. Lit. II Bib. Lit. IV English II	Bib. Lit. V French IV Physics VI Chem. IV History IV Greek VII Math. V Eng. III (Biol. VI) Bib. Lit. IV	German V Engin. Ib (Astron. I.) Econ. II German I Bib. Lit. I French II Greek I	—	—	—
					—	—	—
THIRD DAY	Econ. III & IV Phil. I Latin II Math. Ia, Ib	Phil. Va & Vb Econ. I Physics I Biol. II Latin I	Greek V Econ. V, VI Geology I French I Chem. I Math. IIa & IIb	(Greek A) Math. VI Math. XIV Engin. IIb History III Italian I German III German II	—	—	—
					—	—	—
FOURTH DAY	Eng. IX Latin IV Math. IIa & IIb Math. Ia, Ib	Phil. IV Latin III Math. IV Math. IIIa & IIIb Greek II French III Eng. Ia, Ib	(Bib. Lit. V) French IV Physics VI Chem. IV History IV Greek VII Math. V Eng. III (Biol. VI)	German V Engin. Ib (Astron. I) Econ. II German I French II Greek I	—	—	—
					—	—	—
FIFTH DAY	Eng. IX Latin IV Math. IIa & IIb Math. Ia, Ib	Phil. IV Latin III Math. IV Math. IIIa & IIb Greek II French III Eng. Ia, Ib	Meeting		—	—	—
					—	—	—
SIXTH DAY	Econ. III & IV Phil. I Latin II Math. Ia, Ib	Phil. Va & Vb Econ. I Physics I Biol. II Latin I	Greek V Econ. V, VI Geology I French I Chem. I Math. IIa & IIb	(Greek A) Math. VI Math. XIV Engin. IIb History III Italian I German III German II	—	—	—
					—	—	—
SEVENTH DAY	Econ. III & IV Greek V German I — Soph. Phys. Lab. — — Soph. Biol. Lab. — German II	Latin III Math. IV Math. IIIa & IIIb History I			Hours enclosed in parentheses () were not offered in 1906-1907 Eng. = English Engin. = Engineering		

STATED MEETING OF THE CORPORATION AND OF THE MANAGERS

The Annual Meeting of "The Corporation of Haverford College" is held on the second Third-day in the Tenth month, at 3 o'clock p. m.

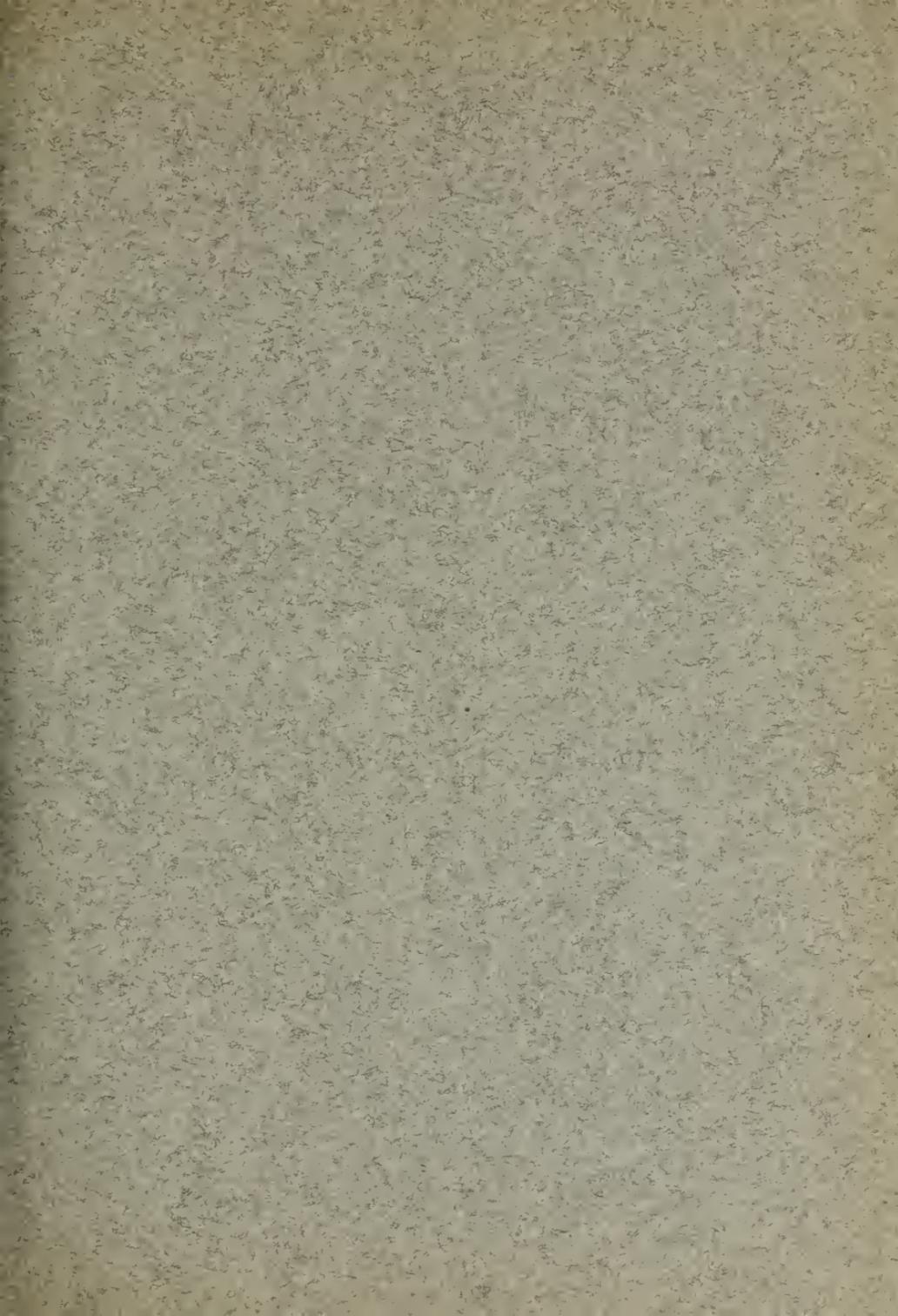
The Stated Meetings of the Managers are held on the third Sixth-day in the First, Third, Fifth, Ninth and Eleventh months.

LEGACIES

The friends of the College, including former students, and all who are interested in the promotion of sound learning, are invited to consider the College in the disposition of their estates by will.

FORM OF LEGACY

I give and bequeath (if personal)—devise (if real)—to "The Corporation of Haverford College," the sum of (or if real estate, describe it).....to have and to hold to them, their successors and assigns, to the use of the said "The Corporation of Haverford College," their successors and assigns.



HAVERFORD COLLEGE
HAVERFORD, PA.

HAVERFORD COLLEGE BULLETIN

VOL. VI

FIRST MONTH, 1908

No. 2

Catalogue 1907-1908



Issued Quarterly by Haverford College,
Haverford, Pa.

Entered December 10th, 1902, at Haverford, Pa.,
as Second Class Matter under Act of Congress of July 16th, 1894

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CATALOGUE
OF
Haverford College
1907-1908



HAVERFORD, PA.

Press of
THE JOHN C. WINSTON CO.,
Philadelphia, Pa.

CALENDAR.

1907-1908.

Examinations for Admission	9th Mo.	23-24-25
College Year 1908-1909 began	9th Mo.	25
Winter Recess began	12th Mo.	21
Winter Term began, 1908*	1st Mo.	6
Second Half-year begins	2d Mo.	10
Spring Recess begins	4th Mo.	18
Spring Term begins*	4th Mo.	27
Senior Class Day	6th Mo.	9
Commencement and Alumni Day, 1908.	6th Mo.	10
Examinations for Admission	6th Mo.	11-12-13

1908-1909.

Examinations for Admission	9th Mo.	21-22-23
College Year 1908-1909 begins*.	9th Mo.	23
Winter Recess begins	12th Mo.	19
Winter Term begins, 1909*	1st Mo.	4
Second Half-year begins	2d Mo.	8
Spring Recess begins	4th Mo.	17
Spring Term begins*	4th Mo.	26
Senior Class Day	6th Mo.	15
Commencement and Alumni Day, 1909	6th Mo.	16
Examinations for Admission	6th Mo.	17-18-19

*The first classes at the beginning of each term are held promptly at *half-past nine o'clock*. No absences from them are excused, unless clearly unavoidable.

HAVERFORD COLLEGE

HISTORY AND DESCRIPTION.

In the spring of 1830, a meeting of a few Friends in Philadelphia, shortly followed by a similar meeting in New York, originated Haverford School. The two committees expressed the object of the effort as follows: "The members of the Society of Friends, having hitherto labored under great disadvantages in obtaining for their children a guarded education in the higher branches of learning, combining the requisite literary instruction with a religious care over the morals and manners of the scholars, . . . and carefully preserving them from the influence of corrupt principles and evil communications, it is therefore proposed that an institution be established in which the children of Friends shall receive a liberal education in ancient and modern literature and the mathematical and other sciences."

The sum supposed to be necessary, forty thousand dollars, was raised without great effort, and the committee went out to seek a location. "We wished to procure," they say, "a farm in a neighborhood of unquestionable salubrity—within a short distance of a Friends' meeting—of easy access from this city at all seasons of the year . . . and one that was recommended by the beauty of the scenery and a retired situation." They then report

that, of the many places inspected by them, the only one which combined all the advantages was one of one hundred and ninety-eight acres (since increased to two hundred and twenty-five) "near the eight-mile stone of the Lancaster turnpike." They explain the present and prospective merits of the farm, the beauty of the natural woods, the unfailing springs of purest water, the nearness to the new Pennsylvania Railroad, in words which the succeeding decades have amply justified.

In the autumn of 1833 the school opened with twenty-one students, under the charge of a superintendent, who looked after the government, order and domestic economy of the family, a teacher of Ancient Languages and Ancient Literature, a teacher of English Literature and Mental and Moral Philosophy, and a teacher of Mathematics and Natural Philosophy.

The regulations of the new school were rigid. The bounds and hours of the boys were very strictly prescribed. All the details of the daily program were arranged with great care, and, if the elaborate provision of a number of wise men for the normal growth of students could convert boys into perfect men, the students of those early days had every advantage.

The school thus established grew rapidly into prosperity and debt. The charges were low, the teachers were liberally paid, and the years which followed were marked by a constant endeavor to produce a maximum of good results from very limited funds. The financial deficiencies were made up in a liberal spirit and a constant growth was maintained by frequent subscriptions. All this time the school was justifying the effort by the

quality of its results and was making for itself an increasing number of friends.

One of the first acts of the committee, after provision for absolute necessities, was to construct a gymnasium and make arrangements for systematic physical work. They were determined that the advantage gained by the salubrity of the surroundings should not be lost by want of exercise. Under their care the lawn was graded at considerable expense, and foreign and native trees set out with the design to make it a great arboretum. Cricket, a game not then known elsewhere in America, was introduced and has continued to flourish. A greenhouse and a flower garden were established and maintained for twenty years by the work of the boys. The idea that has done harm elsewhere, that schools are places for mental development only, had no foothold here; but morals, muscles, and senses received their due share of culture.

In 1845 a temporary suspension was declared to allow the funds to accumulate and to give time for the collection of an endowment. This suspension lasted three years.

In 1852 the Observatory was built and supplied with an $8\frac{1}{4}$ -inch equatorial and a $3\frac{3}{4}$ -inch transit. In 1856 the school was changed to a college, and was authorized by the Legislature to grant degrees; but previous to this time the course had been as extended as in most colleges. It was still hampered with a preparatory department, which was not abolished until 1861. In 1863, Alumni Hall, containing an auditorium and ample accommodations for the library, was built. In 1877, Barclay Hall, with its private dormitories and study-rooms, was erected by friends of the College at a cost of eighty-two thou-

sand dollars. The Chemical Laboratories were improved in 1878. The new Observatory was built in 1883. The Mechanical Laboratory was established in 1884 and was provided with a new building in 1890; this was burned down in 1896, and Whitall Hall, a new three-story structure, was built. The Biological Laboratory was established in 1886 and the Physical Laboratory in 1888. Since then the following buildings have been added to the college equipment: Chase Hall, for lectures and recitations, in 1888; the Cricket Shed in 1893; the enlargement of the nave and the south wing of Alumni Hall in 1898; Lloyd Hall in 1899; the large and well-equipped Gymnasium, presented by the Alumni at a cost of fifty thousand dollars, in 1900; Roberts Hall, the gift of Lucy Branson Roberts, for public lectures and college offices, and Merion Hall, a dormitory, remodelled from the old Grammar School building, in 1903; in 1905, a Dining Hall with offices and kitchen, erected by subscription of graduates and friends of the College; in 1906, a permanent building for the heating and lighting plant; and, in 1907, the enlargement of Merion Hall by remodelling the adjoining gymnasium building, providing accommodations in all for thirty-seven students. The whole of Alumni Hall is now available for the housing of the library, which contains forty-nine thousand volumes. Various donations and bequests were received during these years, and in 1897 the Jacob P. Jones endowment, worth about a million dollars, came into the possession of the College.

During this time Haverford had developed into a fully organized college. Many rules, adapted to boys of boarding-school age, had been modified or abandoned.

though enough restraint was retained to provide against demoralization. The standard of admission was raised. Students of any denomination were admitted. The number of teachers was increased sixfold. The annual charge was increased from two hundred dollars to five hundred dollars,* which still fails to represent what the College has to pay for professors' salaries and the board and care of students.

In Barclay and Lloyd Halls two students occupy a study-room, and each has his private bed-room adjoining. A few single rooms are also available in these Halls and in Founders Hall. Some of the professors live in the halls with the students, and others have houses on the grounds.

The College has a remarkably pleasant and healthful location in the township of Haverford, Delaware County,† Pa., nine miles west of the center of Philadelphia, on the main line of the Pennsylvania Railroad. The buildings are surrounded by grounds of about sixty acres, tastefully laid out, with a great variety of trees and shrubbery. These grounds provide excellent fields for cricket, football, golf, tennis and other field games, a running track, and a pond for skating.

Retaining the old idea of a "guarded education" and "religious care over morals and manners," the College has sought to attain these ideals, and has measurably succeeded, by appeals to Christian principle and manliness rather than by the exercise of arbitrary power.

*According to the situation of the room the price may vary from \$375 to \$575.

†Haverford Post Office is in Montgomery County.

CORPORATION

President.

T. WISTAR BROWN.....235 Chestnut St., Philadelphia

Secretary.

J. STOGDELL STOKES....1011 Diamond St., Philadelphia

Treasurer.

ASA S. WING409 Chestnut St., Philadelphia

BOARD OF MANAGERS

Term Expires 1908.

CHARLES HARTSHORNEMerion, Pa.

BENJAMIN H. SHOEMAKER ...205 N. Fourth St., Phila.

WALTER WOOD400 Chestnut St., Phila.

WILLIAM H. HAINES1136 Ridge Ave., Phila.

*WILLIAM H. JENKS,

124 Chestnut Ave., Chestnut Hill, Phila.

FRANCIS A. WHITE.....15 North St., Baltimore, Md.

JONATHAN EVANSAwbury, Germantown, Phila.

JOHN M. WHITALL,

512 Church Lane, Germantown, Phila.

*Resigned 11th mo. 15, 1907.

HAVERFORD COLLEGE

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Term Expires 1909.

EDWARD BETTLE, JR.514 Walnut St., Phila.
 JAMES WOODMt. Kisco, N. Y.
 JUSTUS C. STRAWBRIDGE,
 School Lane, Germantown, Phila.
 ABRAM F. HUSTONCoatesville, Pa.
 SAMUEL L. ALLEN1107 Market St., Phila.
 THOMAS F. BRANSONRosemont, Pa.
 SETH K. GIFFORD,
 Moses Brown School, Providence, R. I.
 CHARLES J. RHOADSGirard Trust Co., Phila.

Term Expires 1910.

†DAVID SCULL113 S. Fourth St., Phila.
 RICHARD WOOD400 Chestnut St., Phila.
 JOHN B. GARRETTRosemont, Pa.
 HOWARD COMFORT529 Arch St., Phila.
 FRANCIS STOKESLocust Ave., Germantown, Phila.
 GEORGE VAUX, JR.404 Girard Building, Phila.
 STEPHEN W. COLLINS69 Wall St., New York, N. Y.
 FREDERIC H. STRAWBRIDGE801 Market St., Phila.
 T. WISTAR BROWN, *President*,
 235 Chestnut St., Phila.

HOWARD COMFORT, *Secretary*,
 529 Arch St., Phila.

†Deceased 11th mo. 22d, 1907.

FACULTY

ISAAC SHARPLESS, Sc.D., LL.D., L.H.D.
President and Professor of Ethics

ALLEN CLAPP THOMAS, A.M.
Librarian and Professor of History

LYMAN BEECHER HALL, Ph.D.
John Farnum Professor of Chemistry

FRANCIS BARTON GUMMERE, Ph.D.
Professor of English and German

HENRY SHERRING PRATT, Ph.D.
David Scull Professor of Biology

JAMES ADDISON BABBITT, A.M., M.D.
Physical Director and Associate Professor of Physiology

RUFUS MATTHEW JONES, A.M., Litt.D.
Professor of Philosophy

OSCAR MARSHALL CHASE, S.M.
Registrar of the College and Instructor in Drawing

ALBERT SIDNEY BOLLES, Ph.D., LL.D.
Lecturer on Commercial Law and Banking

DON CARLOS BARRETT, Ph.D.
Dean and Professor of Economics

ALBERT ELMER HANCOCK, Ph.D.
Associate Professor of English

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LEGH WILBER REID, PH.D.
Professor of Mathematics

WILLIAM WISTAR COMFORT, PH.D.
Associate Professor of Romance Languages

WILLIAM WILSON BAKER, PH.D.
Associate Professor of Greek

FREDERICK PALMER, JR., A.M.
Instructor in Physics

ALFRED COPE GARRETT, PH.D.
Lecturer on Biblical Literature

LEON HAWLEY RITTENHOUSE, M.E.
Instructor in Mechanics and Electricity

WILLIAM HARTAS JACKSON, A.M.
Associate Professor of Mathematics

RICHARD MOTT GUMMERE, PH.D.
Instructor in Latin

THOMAS KITE BROWN, JR., A.M.
Instructor in German

WALTER MANN MITCHELL, PH.D.
Instructor in Astronomy

WILLIAM HENRY COLLINS, A.M.
Superintendent of Buildings and Grounds

CHARLES RUGLAS HOOVER, S.B.
Assistant in the Chemical Laboratory

STUDENTS.

The letters in the last column denote the courses taken. The letter A denotes the Arts course, S the course in General Science, and E the course in Engineering.

TEACHING FELLOWS.

Brown, Thomas Kite, Jr., A.B., A.M. (Haverford College), Westtown, Pa.

Padin, José, S.B. (Haverford College), San Juan, Porto Rico.

GRADUATE STUDENTS.

Haines, Wilbur Hamilton, S.B. (Haverford College), Mount Ephraim, N. J.

Hoover, Charles Ruglas, S.B. (Haverford College), Oskaloosa, Ia.

Lewis, Walter E., S.B. (Penn College), Oskaloosa, Ia.

SENIOR CLASS.

Baily, Fisher Corlies	Ardmore, Pa.	A
Brown, Carroll Thornton	Westtown, Pa.	A
Burt, Howard	Frankford, Pa.	A
Bushnell, Joseph, 3d	Germantown, Pa.	E
Carroll, Dudley DeWitt	Mizpah, N. C.	A
Clement, John Browning	Overbrook, Pa.	A
Crites, Jesse William	Wilmington, O.	S
Drinker, Cecil Kent	South Bethlehem, Pa.	S
Edwards, Edward Aikin	Philadelphia, Pa.	E

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Elkinton, Joseph Passmore	Media, Pa.	A
Emlen, George Williams, Jr.	Germantown, Pa.	A
Hill, Thomas Rothwell	Philadelphia, Pa.	E
Hobbs, Allen Wilson	Guilford College, N. C.	A
Linton, Morris Albert	Moorestown, N. J.	E
Longstreth, Thomas Morris	Philadelphia, Pa.	A
Miller, Charles Lichty	Lancaster, Pa.	A
Morriss, William Haviland, Jr.	Baltimore, Md.	A
Musser, Frederic Omar	Ardmore, Pa.	A
Petry, Loren Clifford	New Paris, Ohio	S
Sargent, Winthrop, Jr.	Haverford, Pa.	A
Scott, Carl Forse	Yonkers, N. Y.	A
Shoemaker, Walter Rodman	Philadelphia, Pa.	A
Strode, George King	West Chester, Pa.	S
Thomas, James Carey	Haverford, Pa.	A
Whitson, Walter Wilkin	Far Rockaway, N. Y.	A
Wing, Stephen Remington	Philadelphia, Pa.	E
Woodard, Raymond Clarence	Haviland, Kans.	A
Wright, Edwin	Columbus, N. J.	S

JUNIOR CLASS.

Bard, George Smith	Mt. Airy, Pa.	E
Brey, Robert Newton	Philadelphia, Pa.	E
Crowell, James White	Avondale, Pa.	S
Deacon, Gerald Hartley	Germantown, Pa.	A
Fay, Percival Bradshaw	Washington, D. C.	A
Febiger, William Sellers	Philadelphia, Pa.	E
Green, John Clinton	Mt. Royal, N. J.	A
Hamilton, Frederick Clifford	Stamford, Conn.	E
Killen, Clarence Creadick	Wilmington, Del.	A

Kitchen, Paul Cliff	Philadelphia, Pa.	A
Lewis, Thomas Krapfel	Merchantville, N. J.	S
Lowry, Alfred, 2d	Philadelphia, Pa.	A
Lutz, Howard Milton	Llanerch, Pa.	A
Miller, Paul Van Reed	Philadelphia, Pa.	A
Moore, Lawrence Clayton	Ercildoun, Pa.	A
Mott, Richard Henry	Philadelphia, Pa.	S
Pennypacker, Joseph Whitaker		
	Haddonfield, N. J.	A
Philips, David Leon	Kennett Square, Pa.	A
Ramsey, Frank McCracken	Sterling, Kans.	S
Ristine, Charles Scott	Bryn Mawr, Pa.	E
Sandt, Walter Correll	Philadelphia, Pa.	A
Sharpless, Thomas Kite	West Chester, Pa.	A
Shoemaker, Edwin	Philadelphia, Pa.	S
Spaeth, Reynold Albrecht	Mt. Airy, Pa.	S
Spiers, Mark Herbert Carver	Wayne, Pa.	S
Stokes, Joseph Warrington	Moorestown, N. J.	S
Taylor, Frederick Raymond	Philadelphia, Pa.	S
Thompson, Charles Baker	Baltimore, Md.	A
Underhill, Robert Lindley Murray		
	Ossining, N. Y.	A

SOPHOMORE CLASS.

Allinson, Edward Page	Bryn Mawr, Pa.	A
Bryant, Henry Earlham Collings		
	Lansdowne, Pa.	E
Cadbury, Earl Shinn	Haverford, Pa.	A
Cary, Donald Bush	Baltimore, Md.	E
Clark, Charles Fygis	Philadelphia, Pa.	A

Coates, Sydney Hornor	Berwyn, Pa.	E
David, Edward Wandell	Germantown, Pa.	A
Develin, Joseph Chubb	Philadelphia, Pa.	A
Edwards, Earle Nelson	Philadelphia, Pa.	E
Froelicher, Charles Mitchell	Baltimore, Md.	A
Furness, Harold Alan	Haddonfield, N. J.	E
Hires, Harrison Streeter	Philadelphia, Pa.	A
Hutton, Arthur Webster	Berwyn, Pa.	S
Judkins, William, 3d,	Cincinnati, Ohio	S
Kenderdine, John Donald	Germantown, Pa.	A
Kerbaugh, George Allen	Bryn Mawr, Pa.	A
Lewis, Henry Carvill	Germantown, Pa.	E
Martin, Stuart Thompson	Mt. Airy, Pa.	S
Mason, Samuel, Jr.	Germantown, Pa.	E
Morley, Christopher Darlington		
	Baltimore, Md.	A
Morris, Reginald Hollingsworth		
	Villa Nova, Pa.	S
Palmer, Walter	Media, Pa.	E
Phillips, John Phillips	St. Davids, Pa.	S
Rabinowitz, Samuel Abraham		
	Philadelphia, Pa.	A
Roberts, Alfred Stokes	Moorestown, N. J.	S
Shoemaker, Comly Bird, 2d	Philadelphia, Pa.	E
Spaulding, Eugene Ristine	Oak Lane, Pa.	S
Tomlinson, Willard Pyle	Swarthmore, Pa.	A
Wheeler, Guy Samuel	Germantown, Pa.	S
Whitall, James	Germantown, Pa.	A
Wilson, John French	Flushing, Ohio	A
Zieber, Eugene Ray	Philadelphia, Pa.	S

FRESHMAN CLASS.

Ashbrook, James	Philadelphia, Pa.	A
Birdsall, Daniel Lindley	Bristol, Vt.	E
Bradway, John Saeger	Haverford, Pa.	A
Clarke, James Alexander, Jr.	Devon, Pa.	A
Clark, Jefferson Hamer, Jr.	Philadelphia, Pa.	A
Cloud, William Buchanan	Unionville, Pa.	E
Deane, Philip Bernard	Middleboro, Mass.	E
Downing, John Steele	Elsmere, Del.	S
Fallon, Christopher, Jr.	Wayne, Pa.	E
Ferris, Henry, Jr.	Germantown, Pa.	S
Gallagher, Herbert Van Buren	Philadelphia, Pa.	E
Gardiner, William Henry	Lancaster, Pa.	S
Hartshorne, William Davis, Jr.	Brighton, Md.	A
Hinshaw, David Scull	Emporia, Kan.	S
Kleinz, William Lee	Merchantville, N. J.	E
McCann, Wilmot Alrich	Germantown, Pa.	S
Mixter, George Washington, Jr.	Philadelphia, Pa.	A
Patrick, Jesse Kersey	West Chester, Pa.	A
Post, Levi Arnold	Stanfordville, N. Y.	A
Price, Joseph Haines	West Chester, Pa.	A
Renninger, John Daub	Zieglerville, Pa.	A
Reynolds, David Duer	Kennett Square, Pa.	A
Russell, Edwin Arthur	Cleveland, Ohio	A
Shero, Lucius Rogers	Lancaster, Pa.	A
Smith, Gibson	Philadelphia, Pa.	A
Spencer, Ebenezer Hall	Moorestown, N. J.	A
Stuccator, Henry Bernard	Germantown, Pa.	A
Taylor, Howard Gardiner, Jr.	Riverton, N. J.	A

Tostenson, Frederick Oscar	Le Grand, Iowa	S
Tunis, Richard	Media, Pa.	S
Wadsworth, Charles, 3d	Philadelphia, Pa.	A
Wilbur, William Hale	Springfield, Mass.	S
Winslow, Caleb	Baltimore, Md.	A
Worthington, Harold	New York, N. Y.	E
Young, Alan Sedgwick	Germantown, Pa.	S
Young, Wilmer Job	Whittier, Iowa	S

SPECIAL STUDENTS.

Calley, Donald MacMackin	Upland, Pa.
Clark, Thomas Noah	Haverford, Pa.
Dent, Roscoe Walter	Allentown, Pa.
Eshleman, Rodney Mercur	Lancaster, Pa.
Gheen, Evan Pennock	West Chester, Pa.
Guenther, Jacob Jarden	Philadelphia, Pa.
Haines, Carroll Austin	Philadelphia, Pa.
Hill, Allan Janney	Minneapolis, Minn.
Leonard, Arthur Cheney	Wayne, Pa.
Lufkin, Harold Marshall	Parkesburg, Pa.
Myers, Frederick A., Jr.	Philadelphia, Pa.
Palmer, Lewis	Media, Pa.
Warnock, Aaron Degrau	Jamaica, N. Y.

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REQUIREMENTS FOR ADMISSION .

Candidates for the Freshman Class are admitted on examination. No certificates are accepted.

Examinations are held twice a year, in the Sixth and the Ninth month, at the College, except in cases of distant candidates, for whom special arrangements may be made.

In 1908 the dates will be as follows:--

Sixth month 11th, and Ninth month 21st.

9.00-10.00 Latin Composition.

10.00-11.30 Latin Prose Authors.

11.30-12.45 { Latin Poets.
English History.

1.30- 3.30 Algebra.

3.30- 4.30 { Greek Composition.
Physics.

Sixth month 12th, and Ninth month 22d.

9.00-11.15 French.

9.00-10.30 Xenophon.

10.30-11.45 Homer and Sight Translation.

11.45-12.45 { Greek History.
U. S. History.

1.30- 3.00 English.

3.00- 5.00 German.

Sixth month 13th, and Ninth month 23d.

9.00-11.00 Plane Geometry.

11.00-12.00 Roman History.

A candidate may pass a preliminary examination in some of his studies and be examined in the remaining studies in a subsequent year. A certificate will be given for the studies passed. No student will be admitted to a preliminary examination without a certificate from his teacher specifying the subjects in which he is prepared. The examinations of the College Entrance Examination Board of the Middle States and Maryland will be accepted in place of corresponding Haverford examinations.

Candidates for Corporation scholarships (see page 77) must take all their examinations not later than the Sixth month of the year of entry.

SUBJECTS FOR ADMISSION.

I. For the Course in Arts:—

*English, Algebra, Plane Geometry, Latin, two Histories,† and one of the following:

- (a) Greek;
- (b) German and French;
- (c) German and Physics;
- (d) French and Physics.

*For definitions of these subjects, see pages 23-28.

†Candidates presenting the Greek language must offer Grecian History, and candidates presenting Latin, Roman History.

II. *For the Courses in Science:*—

In 1908: *English, Algebra, Plane Geometry, any two of the four languages (Greek, Latin, German, French), and one of the following:

- (a) Any two Histories;
- (b) Any one History with Physics.

In 1909 and thereafter: *English, Algebra, Plane Geometry, any two of the four languages (Greek, Latin, German, French), any two Histories, and Physics.

Students not able to pass all the examinations may be admitted with a few conditions. Each case will be decided on its merits.

Students not candidates for degrees may be permitted to pursue special courses, for proficiency in which certificates may be granted; but this permission will be given only to students of ability and character sufficient to insure their success.

Candidates may be admitted to advanced classes if found proficient in all the preliminary studies of the course. Each case will be considered on its merits.

Every candidate must forward, together with his application, a certificate of good moral character from his last teacher; and students from other colleges must present certificates of honorable dismissal.

*For definitions of these subjects see pages 23-28.

ENTRANCE EXAMINATION REQUIREMENTS.

ENGLISH.*

A. Reading.—Certain books are selected for reading. The candidate will be required to present evidence of a general knowledge of the subject-matter. The form of examination will usually be the writing of a paragraph or two on each of the several topics, to be chosen by the candidate from a considerable number set before him in the examination paper. The treatment of these topics should show the candidate's power of clear and accurate expression and will call for only a general knowledge of the substance of the books.

The books selected for the examinations to be held for entrance in 1908 will be Shakespeare's *The Merchant of Venice* and *Macbeth*; Addison's *The Sir Roger de Coverley Papers* in the *Spectator*; Irving's *Life of Goldsmith*; Coleridge's *The Rime of the Ancient Mariner*; Scott's *Ivanhoe* and *The Lady of the Lake*; Tennyson's *Gareth and Lynette*, *Lancelot and Elaine* and *The Passing of Arthur*; Lowell's *The Vision of Sir Launfal*; George Eliot's *Silas Marner*.

For entrance in 1909, 1910, 1911 the candidate will choose ten books, under the restrictions indicated, from the following groups:

Group I (two to be selected).

Shakespeare's *As You Like It*, *Henry V*, *Julius Cæsar*,
The Merchant of Venice, *Twelfth Night*.

*NOTE.—No candidate will be accepted in English whose work is notably defective in point of spelling, punctuation, idiom or division into paragraphs.

Group II (one to be selected).

Bacon's *Essays*; Bunyan's *The Pilgrim's Progress, Part I*; *The Sir Roger de Coverley Papers* in the Spectator; Franklin's *Autobiography*.

Group III (one to be selected).

Chaucer's *Prologue*; Spenser's *Faerie Queene* (selections); Pope's *The Rape of the Lock*; Goldsmith's *The Deserted Village*; Palgrave's *Golden Treasury (First Series) Books II and III*, with especial attention to Dryden, Collins, Gray, Cowper and Burns.

Group IV (two to be selected).

Goldsmith's *The Vicar of Wakefield*; Scott's *Ivanhoe*; Scott's *Quentin Durward*; Hawthorne's *The House of the Seven Gables*; Thackeray's *Henry Esmond*; Mrs. Gaskell's *Cranford*; Dickens' *A Tale of Two Cities*; George Eliot's *Silas Marner*; Blackmore's *Lorna Doone*.

Group V (two to be selected).

Irving's *Sketch Book*; Lamb's *Essays of Elia*; De Quincey's *Joan of Arc* and *The English Mail Coach*; Carlyle's *Heroes and Hero Worship*; Emerson's *Essays (Selected)*; Ruskin's *Sesame and Lilies*.

Group VI (two to be selected).

Coleridge's *The Ancient Mariner*; Scott's *The Lady of the Lake*; Byron's *Mazeppa* and *The Prisoner of Chillon*; Palgrave's *Golden Treasury (First Series) Book IV*, with especial attention to Wordsworth, Keats and Shelley; Macaulay's *Lays of Ancient Rome*; Poe's *Poems*; Lowell's *The Vision of Sir Launfal*; Arnold's *Sohrab and*

Rustum; Longfellow's *The Courtship of Miles Standish*; Tennyson's *Gareth and Lynette*, *Lancelot and Elaine*, and *The Passing of Arthur*; Browning's *Cavalier Tunes*, *The Lost Leader*, *How They Brought the Good News from Ghent to Aix*, *Evelyn Hope*, *Home Thoughts from Abroad*, *Home Thoughts from the Sea*, *Incident of the French Camp*, *The Boy and the Angel*, *One Word More*, *Hervé Riel*, *Pheidippides*.

B. Study and Practice.—This part of the examination presupposes the thorough study of each of the works named below. The examination will be upon the subject-matter, style and construction.

The books selected for the examination to be held for entrance in 1908 will be: Shakespeare's *Julius Cæsar*; Milton's *L'Allegro*, *Il Penseroso*, *Comus*, and *Lycidas*; Burke's speech on *Conciliation with America*; Macaulay's essays on *Addison* and *Johnson*.

The books set for this part of the examination will be, for entrance in 1909, 1910, 1911: Shakespeare's *Macbeth*; Milton's *Lycidas*, *Comus*, *L'Allegro*, and *Il Penseroso*; Burke's speech on *Conciliation with America* or Washington's *Farewell Address* and Webster's *First Bunker Hill Oration*; Macaulay's *Life of Johnson* or Carlyle's *Essay on Burns*.

The English examination may be taken in two parts.

MATHEMATICS.

Algebra A.—The four fundamental operations, factoring, highest common factor, least common multiple, the solution of equations of the first degree in one or more

unknown quantities, problems leading to such equations, powers and roots, radicals including extraction of square roots of polynomials and numbers, and fractional and negative exponents.

Algebra B.—Quadratic equations in one or two unknown quantities, ratio and proportion, arithmetical and geometrical progressions, permutations and combinations, and the binomial theorem for a positive integral exponent.

Plane Geometry.—The demonstration of theorems and constructions as found in the usual text-books. Simple original theorems, constructions and numerical exercises.

Students should have at their command a knowledge of the principal theorems, so that they may be able to apply them.

SCIENCE.

Elementary Physics. In 1909 and thereafter this examination will occupy one and one-half hours, and will be based on one year's work, covering mechanics, sound, heat, light and electricity. All students who have had laboratory work will be required to leave their laboratory note-books with the instructor at the time of examination.

HISTORY.

- (a) Grecian History to the death of Alexander.
- (b) Roman History to the death of Marcus Aurelius.
- (c) English History.
- (d) United States History, including the periods of discovery and colonization.

GREEK.

(a) Xenophon, *Anabasis*, Books I-IV; Homer, *Iliad*, Books, I-III, omitting the Catalogue of Ships. The examination will be designed to test the candidate's knowledge of grammatical forms and constructions, and his ability to translate into idiomatic English, (b) The translation at sight of simple Attic prose, and his ability to translate into idiomatic English. passage based upon some portion of the Xenophon prescribed.

LATIN.

(a) Cæsar, the *Gallic War*, Books I-IV; Cicero, the speech on the *Manilian Law*, the four against *Catiline* and the speech for *Archias*; Virgil, the *Aeneid*, Books I-VI. Other books of Cæsar or speeches of Cicero may be substituted for those mentioned, if due notice is given. The examination will be designed to test the candidate's knowledge of grammatical forms and constructions, and his ability to translate into idiomatic English. (b) The translation at sight of simple Latin prose or verse. (c) The translation into Latin of a simple English passage, based upon some portion of the Cicero or Cæsar prescribed.

GERMAN.

(a) The translation at sight of ordinary German prose. The passage set for translation must be rendered into correct idiomatic English. (b) The translation into German of simple English sentences or of easy

connected prose, to test the candidate's familiarity with the grammar. (c) Special emphasis will be laid upon proficiency in grammar.

The passages set for translation into English will be suited to the proficiency of the candidates who have read not less than three hundred pages, including reading at sight, from the works of at least three different authors. The books read during the first year's course in German (German A, page 38) will be adequate for preparation.

FRENCH.

(a) The translation at sight of ordinary French prose. The passages set for translation must be rendered into correct idiomatic English. (b) The translation into French of simple English sentences or of easy connected prose. (c) Special emphasis will be laid upon proficiency in grammar, including the conjugation of the more common irregular verbs.

The passages set for translation into English will be suited to the proficiency of candidates who have read not less than three hundred pages, including reading at sight, from the works of at least three different authors. The books read during the first year's course in French (French A, page 40) will be adequate for preparation.

COURSES OF INSTRUCTION.

I. COURSE IN ARTS *leading to the degree of Bachelor of Arts.*—Latin and one other language presented for admission must be continued during the Freshman and Sophomore years.* All courses given in any department are elective for Seniors and Juniors who have satisfactorily completed the prerequisites.

COURSE LEADING TO THE DEGREE OF
BACHELOR OF ARTS.

In laboratory and gymnasium work, two and one-half hours must be taken for each hour given below.

FRESHMEN.

	Hours per week.
Greek I or German I or French I.....	4
Latin I	4
English I and II	3
Mathematics I	4
History I	2
Biblical Literature III.....	1
Biology I and Physical Training.....	2

*If three languages are presented for admission, Latin and one of the other languages offered must be continued during the Freshman and Sophomore years. The third language may be continued when the daily program and the number of hours taken by the student permit.

SOPHOMORES.

Greek II or German II or French II.....	3
Latin II	3
English III	2
*Mathematics II or Chemistry I	4
*Physics I or Biology II	4
Biblical Literature II or III	1
Physical Training	2

JUNIORS.

Greek or Latin or Mathematics	3
English IV or V	1
Economics I	2
Philosophy I	2
Biblical Literature II, III or V	1
Electives	7

SENIORS.

English IV or V	1
Philosophy V	2
Biblical Literature II or IV	1
Electives	12

*In place of either of these groups students who take both Greek and Latin may elect four hours of advanced Greek or Latin, or German I, or French I.

II. COURSE IN SCIENCE *leading to the degree of Bachelor of Science.*—This course is divided into four sections:

(a) *Course in General Science.*—The elective list is practically the same as in the course in Arts.

(b) *Course in Mechanical Engineering.*—This course consists largely of mathematics, applied science and work in the shop and drawing-room.

(c) *Course in Electricity.*—Electricity is substituted for the special mechanical work of Course (b) during the last two years.

(d) *Chemical and Preparatory Medical Course.*—This course has the double purpose of training specialists in chemistry and of preparing students to enter medical schools. These objects may be obtained by proper electives in the courses in Arts and General Science.

The table on the next page presents the requirements in each of the Science courses.

COURSES LEADING TO THE DEGREE OF
BACHELOR OF SCIENCE.

	GENERAL SCIENCE.	ENGINEERING.
FRESHMEN.	Biblical Lit. III.....*1	Biblical Lit. III.....*1
	English I and II 3	English I and II..... 3
	History I 2	History I 2
	Mathematics I..... 4	Mathematics I..... 4
	German I 4	German I or French I 4
	French I 4	Engineering III 2
	Biology I and Physical Training 2	Engineering IV 2
		Biology I and Physical Training 2
SOPHOMORES.	Biblical Lit. III 1	Biblical Lit. III 1
	English III 2	English III 2
	Mathematics II or Chemistry I 4	Mathematics II 4
	Physics I or Biology II... 4	Physics I 4
	German II..... 3	German II or French II... 3
	French II 3	Engineering III 2
	Engineering IV 2	
	Physical Training 2	
JUNIORS.	Biblical Lit. III or V..... 1	Biblical Lit. III or V 1
	Economics I 2	English IV or V 1
	Philosophy I 2	Mathematics III 3
	English IV or V 1	Engineering I or II..... 2
	Natural or Physical Science or Mathematics 6	Engineering III and V..... 2
		Engineering IV or Physics VI 2
		Chemistry I 4
	Electives 2	
	Electives 4	
SENIORS.	Biblical Lit. IV 1	Biblical Lit. IV 1
	English IV or V 1	English IV or V 1
	Philosophy V 2	Philosophy V 2
		Mathematics IV 3
		Engineering I or II, or Physics VIII 2
		Engineering III or IV, or Physics or Chemistry..... 2
		Physics VI or VII 2
	Electives 3	
	Electives 12	

*Figures in these columns indicate hours per week. In laboratory, gymnasium and shop-work, two and one-half hours must be taken for each hour here indicated.

GREEK.

Greek I and II are required, respectively, of Freshmen and Sophomores in the Arts course who, to fulfill the admission linguistic requirements, present Greek and Latin only. These, together with the other Greek courses, are open as electives.

A. *Course for Beginners.* Thorough study of the elements of the language, followed by the reading of simple Attic prose. Xenophon, *Anabasis*; selections from other authors. This course is given in alternate years.

Dr. R. M. Gummere; 3 hours.

I. Lysias, *Select Orations*; Lucian, *Selections*; Homer, *Odyssey*. Sight reading. Greek composition.

Professor Baker; 4 hours.

II. Plato, *Euthyphro*, *Apology*, *Crito* and selections from *Phaedo*; selections from Aristophanes, *Clouds*; Aeschylus, *Prometheus*; Euripides, *Iphigenia among the Taurians*. Sight reading. History of Greek Literature.

Professor Baker; 3 hours.

III. Thucydides, Books VI and VII; Sophocles, *Oedipus Tyrannus*; Euripides, *Medea*; Aristophanes, *Frogs*. Study of other plays in English translation.

Professor Baker; 3 hours.

IV. Plato, *Republic*; Demosthenes, *On the Crown*, with selections from Aeschines, *Against Ctesiphon*.

Professor Baker; 3 hours.

V. Advanced Greek Prose Composition.

Professor Baker; 1 hour.

VI. *The Greek Drama*. This course is designed primarily for men who have not studied Greek, but wish to get some idea of the literature. It will include (1) lectures on the Greek drama; its history, its characteristic features, and its subsequent influence; (2) collateral reading on the subjects treated in the lectures; (3) reading in translation of selected plays of Aeschylus, Sophocles, Euripides, and Aristophanes.

Professor Baker; 2 hours.

[Not given in 1907-08.]

LATIN.

Latin I and II are required, respectively, of Freshmen and Sophomores in the Arts course, and, together with the other Latin courses, are open as electives.

I. Selections from Livy; Horace, *Epistles*; Virgil, *Bucolics* and *Fourth Georgic*. Translation at sight. Prose composition.

Dr. R. M. Gummere; 4 hours.

II. Cicero, *De Amicitia*; Catullus; Horace, *Odes* and *Epodes*. Translation at sight. History of Latin Literature.

Professor Baker; 3 hours.

III. The principal Satires of Juvenal and Horace; Tacitus, *Annals*, Books I-VI. Translation at sight.

Dr. R. M. Gummere; 3 hours.

IV. Terence, *Adelphoe*; Plautus, *Menaechmi*; selec-

tions from Lucretius; Quintilian, *Institutio Oratoria*, Book X. Translation at sight.

Dr. R. M. Gummere; 3 hours.

V. Advanced Latin Composition.

Dr. R. M. Gummere; 1 hour.

ENGLISH LANGUAGE AND LITERATURE.

English Ia, Ib and II are required of all Freshmen; English III of all Sophomores, and English IV of all Seniors and Juniors except those electing English V. The other courses are elective for Seniors and Juniors. No student will be graduated who cannot write a creditable style extemporaneously.

Ia. *Freshman English*. The elements of rhetoric and studies in style. Genung, *Handbook of Rhetorical Analysis*. Extemporaneous speeches.

Professor Hancock; 2 hours, first half-year.

Ib. *American Literature*. A brief historical and critical survey of American letters. Wendell, *A Literary History of America*. Extemporaneous speeches. Weekly themes.

Professor Hancock; 2 hours, second half-year.

II. *Freshman English Literature*. Lectures on the foundations of English literature, and on its development down to the time of Shakespeare. Readings and reports.

Professor Gummere; 1 hour.

III. *Sophomore English*. Lectures on rhetoric and the appreciation of literature. Readings from selected authors. Weekly themes. Extemporaneous speeches.

Professor Hancock; 2 hours.

IV. *Senior and Junior English*. Essays, extemporaneous themes and general readings in literature, history and biography. The regulations of this course will be found, in detail, in the printed pamphlet.

Professor Hancock; 1 hour.

V. *Advanced Themes*. Lectures on the principles of literary art and method. Regular practice in the various forms of composition.

Professor Hancock; 1 hour.

VIa. *Forensics*. Advanced work in extemporaneous speaking. Occasional addresses and debates. Readings in the British and American orators.

Professor Hancock; 1 hour.

VIIb. *Public Speaking*. Addresses on social and political topics. Arguments and pleas for civic reforms. This course is open only to those who have taken VIa and the class is limited to twelve members.

Professor Hancock; 1 hour.

VII. *Early English*. Bright, *Anglo-Saxon Reader*. *Elene*. *Béowulf*.

Professor Gummere; 2 hours.

[Not given in 1907-08.]

VIII. *Middle English*. English literature in the thirteenth and fourteenth centuries. Chaucer, *Canterbury Tales*. English and Scottish Ballads. Lectures and readings.

Professor Gummere; 2 hours.

IX. *Elizabethan Literature*. Lectures on the development of English literature, particularly of the drama, down to Shakespeare. Readings of old plays and Elizabethan masterpieces. All the plays of Shakspeare, three read critically in class.

Professor Gummere; 2 hours.

[Not given in 1907-08.]

X. *English Literature of the Seventeenth Century*. Lectures, with readings in the general literature, and a special study of Milton. Selections from the Minor Poems, the *Comus* and certain books of *Paradise Lost*, with the whole of *Samson Agonistes*, are read in class.

Professor Gummere; 1 hour.

XI. *Modern English Prose Writers*. Lectures on the lives and works of Steele, Addison, Defoe, Swift, Johnson, Goldsmith, Burke, Fielding, Sterne, De Quincey, Lamb, Landor, Hazlitt, Carlyle, Arnold, Ruskin, Dickens, Thackeray, George Eliot and others. Collateral readings and reports.

Professor Hancock; 2 hours.

[Not given in 1907-08.]

XII. *English Poetry of the Nineteenth Century*. Lectures on the lives and works of Burns, Coleridge, Words-

worth, Shelley, Byron, Keats, Arnold, Tennyson and Browning. Collateral readings and reports.

Professor Hancock; 2 hours.

GERMAN.

For the German requirements in the Arts and Science courses see pages 29-32. All German courses are elective for Seniors and Juniors who have satisfactorily completed the prerequisites.

Students wishing to qualify for German I may do so by passing either the examination in German A or the entrance examination in Sixth month or Ninth month.

A. *Course for Beginners.* German grammar and reading exercises. Duerr, *Essentials of German Grammar*; Guerber, *Märchen und Erzählungen*; Heyse, *L'Arabiata*; Storm, *Immensee*; Hauff, *Die Karawane* and *Das kalte Herz*.

T. K. Brown, Jr.; 3 hours.

I. *Freshman German.* A course in the rapid reading of representative German writers. Lessing, *Minna von Barnhelm* and *Emilia Galotti*; Schiller, *Wilhelm Tell* and *Die Jungfrau von Orleans*; Goethe, *Hermann und Dorothea*; Heine, *Buch der Lieder*; Bürger, *Lenore*. Practice in sight reading. In addition the members of the class will read privately Dahn, *Ein Kampf um Rom*; Sudermann, *Frau Sorge*; von Scheffel, *Der Trompeter von Säckingen*; Fouqué, *Undine*.

T. K. Brown, Jr.; 4 hours.

II. *Sophomore German*. Goethe, *Faust* and *Iphigenie*; Schiller, *Wallenstein*. Selections from classic authors. Readings.

Professor Gummere; 3 hours.

III. *German Prose Composition*. Von Jagemann, *German Syntax*. Rapid review of German grammar with particular regard to idiomatic usage. Weekly conversations and discussions of literary masterpieces, in German. Private reading of German authors. Translation into German of easy English prose.

T. K. Brown, Jr.; 2 hours.

IV. *Scientific German*. Rapid reading in class of difficult prose in science, history and philosophy, together with private reading of some treatise on a special subject chosen by the student and approved by the instructor. Wait, *German Science Reader*.

T. K. Brown, Jr.; 2 hours.

V. *Middle High German*. Paul, *Mittelhochdeutsche Grammatik*; *Das Nibelungenlied*; poems of Walther von der Vogelweide.

Professor Gummere; 2 hours.

FRENCH.

For the French requirements in the Arts and Science courses see pages 29-32. All French courses are elective for Seniors and Juniors who have satisfactorily completed the prerequisites.

Students wishing to qualify for French I may do so by

passing either the final examination in French A or the entrance examination in Sixth month or Ninth month.

A. *Course for Beginners.* A course to give the student an elementary knowledge of grammar and a fair reading knowledge of the language. The following books are used: Fraser and Squair, *French Grammar*; Bruno, *Tour de la France*; Halévy, *L'Abbé Constantin*; Bedollière, *La Mère Michel et son Chat*; Labiche, *Le Voyage de Monsieur Perrichon*.

Professor Comfort; 3 hours.

I. *Freshman French.* Grammar work continued and rapid reading. The following books are used: Fraser and Squair, *French Grammar*; Lamartine, *Graziella*; Loti, *Pêcheur d'Islande*; Daudet, *Contes*; Mérimée, *Chronique du Règne de Charles IX*; Hugo, *Hernani*; Super, *Histoire de France*; Corneille, *Le Cid*; Molière, *L'Avare*; La Fontaine, *Fables*.

Professor Comfort; 4 hours.

II. *Sophomore French.* Rapid reading of French classics of the seventeenth and nineteenth centuries. The following authors are read: Corneille, Racine, Molière, Bossuet, Hugo, Lamartine, Musset, Daudet, Coppée, Maupassant, Renan. In connection with the above the class makes use of Petit de Julleville, *Leçons de Littérature Française* and Fortier, *Sept Grands Auteurs du Dix-neuvième Siècle*.

Professor Comfort; 3 hours.

III. A lecture course treating the history of French literature from its origins to the present time. Attention

is especially directed to the study of literary tendencies, the development of the national spirit, and the relations of the literature of France to that of other countries. A large amount of outside reading, with written reports, is called for. This course is conducted in French, and is open only to students who have passed creditably in French II.

[Not given in 1907-08.]

Professor Comfort; 2 hours.

IV. A course in French conversation and advanced composition. This course may be elected only after consultation with the instructor.

Professor Comfort; 2 hours.

SPANISH.

I. An elementary course intended for those who wish the essentials of the Spanish language, either for a business career or for literary work. The following books are used: Hills and Ford, *A Spanish Grammar*; Padre Isla, *Gil Blas de Santillana*; Alarcón, *Capitán Veneno*; Moratín, *El Sí de las Niñas*; Calderón, *La Vida es Sueño*.

Professor Comfort; 3 hours.

ITALIAN.

I. An elementary course in reading Italian. Grandgent, *Italian Grammar*; Bowen, *Italian Readings*, are used. The following authors are read: Goldoni, Boccaccio, Dante.

Professor Comfort; 3 hours.

[Not given in 1907-08.]

MATHEMATICS.

The courses in mathematics are arranged as far as possible to suit the needs of those students who (1) take them as part of their required Freshman and Sophomore work and do not intend to proceed further in mathematics, (2) elect them as a minor subject and take either physics, engineering or astronomy as a major subject, (3) take them as part of the required work of the Engineering course, or (4) elect them as a major subject.

Courses I, II, III and IV are given every year and XIV in alternate years. The electives to be offered in any one year will be such as the needs of the department may require. Courses on certain subjects other than those named below may be arranged by consultation either for undergraduates or graduates.

In the Library will be found some of the principal journals, treatises and collected works. There are also libraries near by where other works and journals may be consulted. In one of the lecture rooms is a collection of mathematical models.

Courses *Ia*, *Ib*, *Ia'*, and *Ib'* are required of all Freshmen.

Courses C, D and E are optional, and are open only to students having a high grade in the required work.

Courses *IIa* and *IIb* are for Sophomores.

Courses *IIIa* and *IIIb* are required of Engineering students in their Junior year and should, in general, be taken by students electing mathematics in the Junior year.

Courses *IVa* and *IVb* are required of Engineering students in their Senior year.

Ia and Ib. *Algebra*; including infinite series, undetermined coefficients, the binomial theorem for fractional and negative exponents, logarithms, probability, determinants, and the elements of the theory of equations. Fine, *College Algebra*.

Professor Reid; 2 hours.

Ia'. *Trigonometry*; the elements of plane trigonometry, including the solution of right and oblique plane triangles with application to practical problems. Lyman and Goddard, *Plane Trigonometry*.

Professor Jackson; 2 hours, first half-year.

Ib'. Solid Geometry and Mensuration. Jackson, *Elementary Solid Geometry*.

Professor Jackson; 2 hours, second half-year.

C. *Special Topics in Algebra*.

Professor Reid; 1 hour.

D. *Special Topics in Trigonometry and Solid Geometry*, including Spherical Trigonometry.

Professor Jackson; 1 hour.

IIa. *Plane Analytic Geometry*, including that of the curves of the second degree. Tanner and Allen, *Analytic Geometry*.

Professor Jackson; 4 hours, first half-year.

E. *Plane Analytic Geometry*. This course is a continuation of IIa.

Professor Jackson, 2 hours, second half-year.

IIb. *Differential Calculus*, with applications. McMahon and Snyder, *Differential Calculus*.

Professor Jackson; 4 hours, second half-year.

IIIa. *Integral Calculus*, with applications. Murray, *Integral Calculus*.

Professor Reid ; 3 hours, first half-year.

IIIb. *Differential Equations*, elements. *Analytic Geometry of Three Dimensions*, the plane, straight line and quadric surface.

Professor Reid ; 3 hours, second half-year.

IVa. *Elementary Statics and Dynamics*. Jeans, *Theoretical Mechanics*.

Professor Jackson ; 3 hours, first half-year.

IVb. *Dynamics of a Particle, Elementary Rigid Dynamics and Hydrostatics*. Jeans, *Theoretical Mechanics*.

Professor Jackson ; 3 hours, second half-year.

V. *Introduction to the Theory of Functions*. Prerequisite, IIIa. Harkness and Morley, *Introduction to Analytic Functions*.

Professor Reid ; 3 hours.

VI. *Theory of Equations*; including an introduction to the Galois theory. Cajori, *Theory of Equations*.

Professor Reid ; 2 hours, half-year.

VII. *Differential Equations*. The subject will be treated on lines similar to those of Forsyth's text-books. Prerequisite, IIIa.

Professor Reid ; 2 hours, half-year.

VIII. *The Differential Equations of Physics*, with simple applications

Professor Jackson; 2 hours, half-year.

IX. *Introductory Theory of Vibrations*.

Professor Jackson; 2 hours, half-year.

[Not given in 1907-08.]

X. *Introduction to Hydrodynamics*.

Professor Jackson; 2 hours, half-year.

[Not given in 1907-08.]

XI. *Introduction to Modern Geometry*.

Professor Reid; 2 hours, half-year.

[Not given in 1907-08.]

XII. *Analytic Geometry of Three Dimensions*. Theory of surfaces and curves in space. C. Smith, *Solid Geometry*.

Professor Reid; 2 hours, half-year.

[Not given in 1907-08.]

XIII. *Advanced Mechanics*. This course is a continuation of Courses IVa and IVb. It includes the methods by which the general principles of mechanics are applied to the solutions of various physical problems. Thomson and Tait, *Natural Philosophy*.

Professor Jackson, 3 hours.

[Not given in 1907-08.]

XIV. *Descriptive Geometry*. This course is required of Engineering students and is given in alternate years.

Professor Reid; 2 hours, first half-year.

[Not given in 1907-08.]

HISTORY.

History I is required of all Freshmen. The other courses are elective for Seniors and Juniors.

I. *History and Politics*. This course affords a general survey of the political and constitutional development in the United States and the chief states of modern Europe. Emphasis is laid upon the elementary principles of government and upon the actual working of the governments of the United States and England. The work is conducted by means of text-books, informal lectures and collateral reading.

President Sharpless and Professor Barrett; 2 hours.

II. *American History*. Colonial history to 1783.

Professor Thomas; 3 hours.

[Not given in 1907-08.]

III. *American History*. Constitutional and political history of the United States from 1783 to 1870.

Professor Thomas; 3 hours.

Courses II and III are usually given in alternate years.

They are intended to show historic development, the relation of cause and effect, and to awaken in the student a consciousness of historic proportion and a sound critical sense. The instruction consists chiefly of lectures, with required private reading, consultation of authorities, frequent reports in the lecture room on special reading, and occasional essays on assigned topics. The College Library is well supplied with reference books and historical literature.

IV. *Medieval History*. This course includes a survey of the civilization of Europe at the beginning of the Middle Ages and deals with the decline of the Roman Empire; the Gothic invasion; the rise and fall of Saracen civilization; the growth and decay of Charlemagne's empire; Feudalism; the Crusades; the conflicts between the Empire and the Papacy; the Reformation.

Dr. Bolles; 2 hours.

POLITICAL SCIENCE.

Economics I is required of all Juniors in the Arts and General Science courses. The other courses in Political Science are elective for Seniors and Juniors.

A. ECONOMICS.

I. *Outlines of Economics*. A general introduction to the subject. The greater part of the year is taken up with a study of the principles of the science, based upon Seager, *Introduction to Economics*, and similar books. The latter part of the course is devoted to applications of economic principles.

Professor Barrett; 2 hours.

II. *Economic History of the United States*. A general survey since 1750. A study is made of the important factors in our social, industrial and commercial life leading up to our present economic status. Among the subjects considered are: colonial conditions before and after the Revolution; important measures in our financial history; the tariff policy and the growth of

industries; the development of transportation facilities with special reference to the history and problems of railways and shipping; the problem of the trusts. This course may be taken with Economics I.

Professor Barrett; 2 hours.

III. *Economic Problems.* The labor problem and socialism. A study is made of the factory system, labor organizations, labor legislation, strikes, courts of arbitration, etc. The history of socialism and the aims and methods of socialistic organizations are investigated.

Professor Barrett; 3 hours, first half-year.

IV. *Money.* The ways and means of making payments and the effects produced upon prices, trade and industry. A study is made of the principles of money; bank-credit and its uses in the form of deposits and different systems of bank-note issues; paper money and the problems connected with the suspension of specie payment in the United States from 1861 to 1879; commercial crises; stock exchanges. Conditions in the United States receive special attention. This course may be taken profitably with Economics VI.

Professor Barrett; 3 hours, second half-year.

V. *Commercial Law.* An exposition of the leading principles of the law relating to contracts; who can make them; what assent is needful; what consideration is required; how they are interpreted and enforced. Also the law relating to particular subjects: sales, carriage of goods and passengers, agency, partnership, negotiable

paper, checks, guaranty, surety, payments, interest, shipping, insurance, deeds and loans, and corporations.

Dr. Bolles; 2 hours, first half-year.

VI. *Banking*. The practice and most important legal principles of banking; the methods of raising the capital; modes of organizing national and state banks, savings banks, trust and finance companies; the resources of a bank and the modes of lending them; the duties of its directors, president, cashier, tellers, bookkeepers and other officials; public and private examinations and audits. This course may be taken profitably with Economics IV.

Dr. Bolles; 2 hours, second half-year.

B. GOVERNMENT.

I. *Expenditure and Revenue*. A description of the mode of expending and collecting the revenues of the national and state governments. The functions of government are briefly set forth and expenditures are classified. The mode of making expenditures by the different departments of the national government is then discussed, followed by a description of the bills appropriating money. The different kinds of taxes are next considered, the principles on which the laws are based, and the modes of administering them. The expenditures and revenues of the state are treated in the same manner.

Dr. Bolles; 1 hour.

II. *Blackstone*. As required by many of the law schools for admission or afterward as an outside reading

course. Given in alternate years. Class work comprises bi-weekly quizzes and explanations of the more difficult and important parts of the work.

Dr. Bolles; 2 hours.

[Not given in 1907-08.]

BIBLICAL LITERATURE.

II. *Greek Testament*. Interpretation of the Pauline Epistles. This course is continued through three years.

Professor Baker; 1 hour.

III. *Biblical Literature in English*. This course extends through three years. It is required of all Freshmen, and consists during the Freshman year of a survey of the history and literature of the Bible from the beginning of Hebrew history down to the close of the Apostolic age.

In the Sophomore and Junior years courses are alternately given on *The Teaching of Jesus* and on *The Kingdom of God*.

Professor Jones; 1 hour.

IV. *Biblical Literature in English*. This course is similar to III, and is a continuation of its work. It is a survey of the life and letters of Paul, brought as far as possible into chronological connection, with some attention to his special teachings.

Dr. Garrett; 1 hour.

V. *The Literary Study of the English Bible*. The Book of Job, with selections from the Psalms and other

books, is read in class. Lectures on the English of the Bible, and on its literary form.

Professor Gummere; 2 hours.

[Not given in 1907-08.]

PHILOSOPHY.

I. *Psychology*. A course in general psychology. James, *Psychology* (briefer course), is used as a text-book, supplemented by lectures. A short series of lectures is also given on logic.

Professor Jones; 2 hours.

II. *Interpretation of the New Testament*. This course is devoted to a search for the original message of Christianity as expressed by the writers of the Gospels and Epistles. It consists of lectures, readings and theses. The work is all done in English.

Professor Jones; 2 hours, first half-year.

III. *Development of Christian Thought*. An examination of the great types of religious thought which have prevailed at different epochs in the history of the Church, such as the Alexandrian conception of Christianity, the Latin, the Calvinistic, and the Quaker conception. Lectures, readings and theses.

Professor Jones; 2 hours, second half-year.

IV. *History of Philosophy*. The chief systems of philosophy from the earliest period down to modern times. The development of theories of idealism receives especial attention. The text-books required are Rogers, *A Stu-*

dent's History of Philosophy, and Royce, *The Spirit of Modern Philosophy*, with other reading. Lectures, discussions and theses.

Professor Jones; 2 hours.

Va. Ethics. The important ethical theories are studied historically with a view of discovering a satisfactory criterion or basis of moral action. Each student is expected to make an exposition of some one representative system. The books from which selection is to be made are Muirhead, *Elements of Ethics*; Spencer, *Data of Ethics*; Mackenzie, *Manual of Ethics*; Green, *Prolegomena to Ethics*. Lectures and theses.

Professor Jones; 2 hours, first half-year.

Vb. Ethics. In this course are considered current problems of practical ethics.

President Sharpless; 2 hours, second half-year.

VI. Religious and Philosophical Movements. This course is for advanced students only, and is conducted on the seminar method. Different epochs are studied from year to year.

Professor Jones; 2 hours, in the evening.

[Not given in 1907-08.]

ASTRONOMY.

The Haverford Observatory affords students the means of becoming familiar with the use of astronomical instruments, and of acquiring, from actual observation, a practical acquaintance with astronomy.

It contains two equatorial telescopes, one by Clark,

with an object-glass 10 inches in diameter, with filar micrometer, and eyepieces; and one with an object-glass $8\frac{1}{4}$ inches in diameter by Fitz; a Newtonian reflector with a silver-on-glass speculum $8\frac{1}{4}$ inches in diameter; a Grubb prismatic spectroscope; a meridian circle of $3\frac{3}{4}$ inch aperture; a combined transit and zenith telescope of $1\frac{3}{4}$ inch aperture; two sextants; a mean time, and a sidereal time clock, both being electrically connected with a chronograph by Bond.

The latitude of the Observatory is $40^{\circ} 0' 40.1''$ north, its longitude 5 h. 01 m. 12.70 sec. west of Greenwich.

Ia. Elementary Astronomy. Mainly descriptive, exhibiting the leading facts of astronomy and an elementary explanation of the methods by which they are ascertained. Recitations on text-book with lectures. Young, *Manual of Astronomy*.

Dr. Mitchell; 3 hours, first half-year.

Ib. Practical Astronomy. The use of the transit, sextant, and theodolite in the determination of time, latitude and azimuth. Campbell, *Practical Astronomy*, with use of the *American Ephemeris*. Prerequisite, Astronomy Ia and Spherical Trigonometry.

Dr. Mitchell; 3 hours, second half-year.
[Not given in 1907-08.]

II. Practical Astronomy. Continuation of Course Ib. Special subjects will be taken up to meet the needs of the student.

Dr. Mitchell; 2 hours.

[Not given in 1907-08.]

III. *Astrophysics*. Theory of the instruments used in modern astronomical research. Physical characteristics of the heavenly bodies, and the theories of their constitution. Lectures with collateral reading. Prerequisites, Mathematics III (Calculus), Physics I.

Dr. Mitchell; 1 hour.

[Not given in 1907-08.]

SURVEYING.

I. *Elementary Surveying*. The theory and use of the compass, level, and transit. Field practice, including the complete survey of a tract of land. Barton, *Elements of Surveying*.

Dr. Mitchell; 1 hour.

BIOLOGY.

The biological laboratory is amply equipped with microscopes, reagents and all other necessary apparatus and appliances. It also contains several hundred biological works and zoölogical, anatomical and botanical charts.

The courses of the department are arranged so that students intending to study medicine may have every facility for preparation. Graduates who have completed the Preparatory Medical course are admitted without examination to all medical schools.

Course I is required of all Freshmen through the first quarter. Course II, or Physics I, is required of all Sophomores in the Arts and Science courses.

I. *Elementary Physiology and Hygiene.* This course is preparatory to the general physical training required by the College, and includes general physiology, hygiene, a brief review of human anatomy, and lectures on first aid to the injured.

Professor Babbitt; 2 hours, first quarter.

II. *Elementary Biology.* The lectures of this course are devoted to a discussion of the fundamental principles of the structure and life-processes of animals and plants, and also to some of the more important questions relating to their origin and evolution. The laboratory periods are devoted to the practical study and discussion of typical representatives of some of the greater groups of animals and plants. Many field excursions are taken in order to study animals and plants in their natural environment.

Professor Pratt; 4 hours.

Courses III to VII, inclusive, are elective, but must, with the exception of Course VII, be preceded by Course II.

III. *Comparative Anatomy of Vertebrates.* One lecture and two laboratory periods a week. The laboratory work of this course includes the dissection and study of a cartilaginous and a bony fish, an amphibian, a reptile, a bird, and a mammal. This course is given in alternate years with Courses Va and Vb.

Professor Pratt; 3 hours.

[Not given in 1907-08.]

IV. *Morphology of Invertebrates.* This course is intended for those who may wish to make a more extended study of invertebrates than was possible in Course II.

Professor Pratt; 1 hour or more, by arrangement.

Va. *Histology of Vertebrates.* One lecture and two laboratory periods a week. The laboratory work of this course includes a microscopical study of vertebrate tissues. The student also learns the methods of microscopical technique, the preparation of some of the more important reagents, the use of the microtome, etc., and he prepares or obtains about one hundred stained and mounted slides.

Professor Pratt; 3 hours, first half-year.

Vb. *Embryology of Vertebrates.* One lecture and two laboratory periods a week. The laboratory work in this course is devoted to the study of the embryology of the chick and of the frog.

Professor Pratt; 3 hours, second half-year.

Courses Va and Vb are given in alternate years with Course III.

VI. *General Botany.* One lecture and one laboratory period a week. The laboratory work of this course consists of the dissection and structural study of typical representatives of the principal groups of plants

Professor Pratt; 2 hours.

VII. *Evolution and Heredity.* Lectures and supplementary readings. The development of the evolutionary

idea is traced from the time of the Greeks to the present time and the systems of Lamarck and Darwin and their followers are described and discussed. The growth of our knowledge of the facts of heredity is studied and the theories of Darwin, Weismann, Mendel and others are discussed.

Professor Pratt; 1 hour.

[Not given in 1907-08.]

Courses VI and VII are given in alternate years.

VIII. *Human Anatomy*. A general course in anatomy intended especially for preparatory medical students and prospective teachers of physical training. The department is equipped with a skeleton, a manikin, enlarged models of the eye, ear, throat, and heart, and numerous charts to aid in practical work. A complete set of individual bones, including a disarticulated skull, affords opportunity for the study of osteology. The outline includes a study of the brain and spinal cord, and, as for as time permits, a study of the eye, the ear, and the throat. The course is supplemented by attendance upon medical clinics and by occasional visits to the anatomical museums of the city.

Professor Babbitt; 2 hours.

IX. *Applied Anatomy and Physiology*. A course offering special work in preparation for the teaching of physical training. It may be combined with Courses VIII and X.

Professor Babbitt; 2 hours.

X. *Advanced Physiology.* While primarily intended to fill the requirements of the Preparatory Medical course, this course is made general and is open to all Seniors and Juniors. It consists of one hour of recitation and, when elected, one laboratory period a week. Suitable apparatus is provided for practical and experimental work upon muscle and nerve preparations; examination and tests of blood and secretions; production of artificial digestion; functional study of the heart, general circulation, special senses, etc. This course may be modified to suit the needs of the course in normal physical training.

Professor Babbitt; 1 hour or more, by arrangement.

CHEMISTRY.

The chemical laboratory affords opportunity for elementary or advanced special work, with ample facilities for its prosecution. The professor and his assistant are in constant attendance. The laboratory work comprises elementary experiments in general chemistry; the preparation of a number of pure compounds; qualitative or quantitative analysis and experimental work illustrating chemical laws and theories. Chemistry I or Mathematics II is required of all Sophomores in the Arts and General Science courses, and of all Juniors in the Mechanical and Electrical courses.

I. *Elementary General Chemistry.* In this course students will probably have two lectures or recitations and two laboratory periods a week. The preparation, prop-

erties and uses of the more important elements and inorganic compounds are discussed in the lectures and are illustrated by experiments. In the laboratory the time is given mainly to the preparation and study of the non-metallic elements and a few of their compounds.

Professor Hall; 4 hours.

II. *Qualitative Analysis*. The exercises are mainly practical, but there is, each week, at least one lecture or examination. Although the instruction is devoted chiefly to the methods of qualitative analysis, it is expected that the student will increase materially his knowledge of general chemistry by following this course.

Professor Hall; 2 hours or more, by arrangement.

III. *Quantitative Analysis*. The simpler gravimetric and volumetric methods of analysis are studied. The calibration of flasks and burettes is also included.

Professor Hall; 2 hours or more, by arrangement.

IV. *Organic Chemistry*. This course consists of lectures, recitations and laboratory work throughout the year. It will be found useful not only to those intending to become chemists, but also to students of biology and medicine.

Professor Hall; 2 hours.

V. *Advanced Quantitative Analysis*. This course is a continuation of Course III, but includes the analysis of silicates and other complex compounds, the examination of water, milk, butter, iron, steel, etc.

Professor Hall; 2 hours or more, by arrangement.

PHYSICS.

The Department of Physics occupies six rooms in the west end of Founders Hall, well arranged both for laboratory work and for lectures. The apparatus for lecture demonstrations has been carefully chosen to illustrate the principal phenomena dealt with, and the laboratory is furnished with a large number of excellent standard forms of apparatus. The department is also well equipped with the usual forms of elementary apparatus.

The electrical apparatus includes several series, shunt and compound wound direct current dynamos and motors; a number of static transformers; Weston and other ammeters, voltmeters and wattmeters; a Leeds and Northrup potentiometer; a Wheatstone bridge made by Elliott Bros.; a good variety of Thomson and D'Arsonval galvanometers, together with numerous other bridges, condensers, standard units, etc. The laboratory is supplied throughout with both gas and electric light. The following currents are available in the laboratory: 20 volt storage battery, 110 volt direct, 110 and 220 volt 60 cycle three phase alternating, and 110 volt two phase from secondaries of transformers.

I. *Elementary Physics*. This course is an elective with Biology II in the Sophomore year. It regularly consists of three lectures or recitations and one laboratory period a week, but, at the discretion of the instructor, one of the lecture periods may be used for laboratory work. The subjects considered are mechanics, sound, heat, light,

electricity and magnetism. Mann and Twiss, *Physics*, is used in the class work. Ames and Bliss, *Experiments in Physics*, is the laboratory manual. The lectures are accompanied by numerous experimental demonstrations. The chief aim of the laboratory work is the teaching of accurate measurement and observation in all the subjects treated.

F. Palmer, Jr.; 4 hours

II. *Electricity and Light*. This course is intended to follow Course I. In general, there is one lecture and one laboratory period a week. The modern developments of electricity are briefly considered, including Roentgen rays, wireless telegraphy, and the theory of ionization as set forth in J. J. Thompson, *The Conduction of Electricity through Gases*. The laboratory work includes a few fundamental experiments in the measurements of currents, resistances, divided circuits, etc., and the phenomena of diffraction, polarization and measurement of the wave-length of light. This work may be somewhat altered to suit the needs of those electing the course.

F. Palmer, Jr.; 2 hours or more, by arrangement.

III. *Wireless Telegraphy*. In this course a brief study of mutual and self-inductance and capacity is followed by a discussion of electric waves, their properties and measurement. Finally the application of these quantities is made to wireless telegraphy, and a sending and a receiving station are built up. In the laboratory work several instruments have been built, among them a

variable air condenser, a Fleming dynamometer, and a Pierce wave-meter. As a reference book frequent use is made of Fleming, *Electric Wave Telegraphy*.

F. Palmer, Jr., 2 hours.

VI. *Electrical Engineering*. Elementary instruction by text-book and lectures in electrical and magnetic quantities, units and measurements; the principles of electrical measuring instruments, dynamos, motors and transformers; a study of arc and incandescent lamps of various types, electric heaters, welders, etc. Experimental demonstration of all the above. The practical phases of engineering, such as wiring buildings, the installation of electrical machinery, etc., are taken up so far as time permits. Prerequisite, Physics I, or the equivalent.

L. H. Rittenhouse; 2 hours.

VII. *Electrical Engineering*. This course follows Course VI. It consists of one hour of class-room work and one hour of laboratory work, either of which may be taken as an elective.

The experiments include the use of refined measuring instruments, the absolute measurement of electrical and magnetic quantities, efficiency tests of dynamos, motors and transformers, making characteristic curves, etc.

The theory of alternating currents is taken up in more detail than in Course VI. The modern applications are studied and illustrated by visits to the large power houses, substations, etc., around Philadelphia.

L. H. Rittenhouse; 2 hours.

VIII. *Electrical Engineering*. An advanced course for students specializing in electrical work. Laboratory experiments and special investigations. This work will be altered to suit the needs of those electing it.

L. H. Rittenhouse; 2 hours.

GEOLOGY.

I. *Elementary Geology*. A discussion of the general principles of the science, Le Conte's *Geology* being used as a text-book. Excursions are taken occasionally in which the physiographical and geological features of the country about Haverford are studied, and trips are made to the important paleontological and mineralogical collections of Philadelphia.

Professor Pratt; 2 hours.

ENGINEERING.

The engineering courses are designed to give a thorough training in fundamental engineering principles and, as far as practical, to teach the application of these principles to the generation and utilization of power and to the construction of machines.

Exceptional facilities for observing the practical side of the work are offered by the many manufacturing companies in and near Philadelphia, and frequent inspection trips are taken.

The Engineering Department occupies a commodious stone building, three stories high, erected during the summer of 1896. The equipment of the shop is modern

and of the best quality. The wood-working room affords accommodation for fourteen students. The benches are provided with quick-action vises and a complete set of carpenter's tools for each student. This shop contains a 36" band saw and five wood lathes. The iron-working room contains a 24" x 12' Blaisdel engine-lathe and three smaller engine-lathes; a 24" x 24" x 6' planer; a Becker-Brainard universal milling machine; a Gould and Eberhardt 16" shaper; two drill presses, several vises, and complete sets of machinist's tools for bench work, pipe fitting, etc. Steam engine indicators, weighing scales, standard pressure gauges, calorimeters and electrical measuring instruments, in connection with the central heating and lighting plant, afford good opportunity for boiler, engine and dynamo testing. The third story of the building is devoted to drawing and is a large and well lighted room, where thirty students may be accommodated at one time. The equipment includes a number of pieces for study and sketching, such as steam and air pumps, safety valves, shaft hangers, etc.

The following technical mechanical courses are given. For the corresponding electrical courses see under Physics.

Special courses may be arranged to suit the needs of those students intending to continue their engineering studies at other institutions.

I. *Steam Engineering*. A study of the action of steam and gas engines, boilers, condensers, pumps, air compressors, etc., of fuel, horse-power, and efficiencies. The thermo-dynamic principles involved are taken up in the

last half-year of the course. Hydraulics, refrigeration and heating and ventilation are taken up as far as time permits.

L. H. Rittenhouse; 2 hours.

IIa. *Descriptive Geometry*. [Mathematics XIV.]

Professor Reid; 2 hours, first half-year.

IIb. *Elements of Mechanism*. A study of the mechanical movements employed in machinery; various methods of transmitting and transforming motion; a detailed study of the teeth of wheels. This course includes a series of problems in invention to be solved by the student. At least one drawing-room period per week is devoted to the work of this course.

L. H. Rittenhouse and O. M. Chase;

2 hours, second half-year.

[Not given in 1907-08.]

III. *Practical Mechanics*. Students in engineering spend at least five hours per week for two and one-half years in the shop and have the privilege of electing extra hours after the completion of the regular course, if the facilities of the shop permit. The course begins with simple exercises in wood-working, embracing sawing and planing, and progresses through graded exercises in joinery of all kinds, turning and pattern-making. One year is usually spent in this department, unless the student has previously had practice in wood-working.

The iron-working is begun regularly at the beginning of the Sophomore year. Bench work in filing, chipping

and scraping occupies a half-year. The second half-year is occupied with pipe fitting, forging, welding and annealing. Each student is required to make a set of tools to be used in the machine-shop.

The remaining two years are devoted to the use of the various machine tools in executing a series of graded exercises, and, finally, in the construction of a complete machine such as a lathe or engine.

The grades in this course are based upon the faithfulness of the student in his work, his promptness and his care of tools as well as upon the accuracy of his work and the time occupied on each exercise.

L. H. Rittenhouse and J. O. Rantz ;
2 hours or more, by arrangement.

IV. *Mechanical Drawing and Machine Design.* The first exercises are designed to give facility in the use of instruments. These are followed by the elementary projection of solids and complicated intersections, exact and conventional representation of threads, bolts and nuts.

Sketching and dimensioning from models is next taken up and, during the Sophomore year, simple working drawings are made from these. Spur and bevel gear wheels, screw and other gearing, quick return motions and the various transmission gears are taken up and designed in connection with the course in mechanism.

A number of practical problems in valve gears involving the plain slide valve, piston valve, corliss valve, shifting eccentrics, link motions, etc., are solved by each student. The course concludes with the design of a

steam or gas engine and complete detail drawings of all working parts, or the equivalent.

O. M. Chase and L. H. Rittenhouse;
2 hours or more, by arrangement.

V. *Materials of Construction.* A study of the materials employed in engineering constructions, including the manufacture and properties of iron in all its commercial forms of cast iron, steel and wrought iron; the making of alloys; the strength, elasticity and ductility of metals; the strength of timbers, shafting, girders, trusses, etc.

L. H. Rittenhouse; 2 hours, second half-year.

PHYSICAL TRAINING.

The new Gymnasium contains a main floor, sixty by ninety feet, abundantly equipped with the most improved American and Swedish gymnastic appliances and circled by an inclined running track, five feet in width. Adjoining the main floor are offices for the use of the director in physical examination and measurement. These rooms may be further utilized for special work by students taking advanced courses in anatomy and physiology, preparatory to medicine, and by those electing normal courses in physical training. Adjoining the main hall is located a large and comfortable reading room. Above are a trophy room and apartments for the use of the alumni.

The following periodicals are taken by the Reading Room:

American Cricketer.	Collier's Weekly
Harper's Weekly.	Outing.
Cosmopolitan.	McClure's Magazine.
American Gymnasia.	Everybody's Magazine.
Mind and Body.	Life.
Recreation.	Motor Print.

The basement contains dressing-rooms, a number of well ventilated lockers, shower-baths and a swimming pool. There is also a special dressing-room for the use of the faculty and visiting athletic teams, and a double bowling alley.

A thorough physical examination is given to all students upon entrance, and another at the end of the Sophomore year. They must be physically eligible before representing the College upon football, gymnasium or athletic teams.

The work of the department begins with a course of lectures upon anatomy, physiology and hygiene, given to the Freshman class during the first quarter of the college year. This is followed by systematic gymnastic drill during the two succeeding quarters, three times a week.

A similar course is required during the Sophomore year and elective courses are open to Seniors and Juniors.

The student must take one of the following courses:

I. A course in modified Swedish educational gymnastics.

II. A course in general light and heavy gymnastic work.

III. Regular practice with the candidates for the College gymnastic team, for entrance to which gymnastic ability and physical qualifications are requisite.

For additional courses in anatomy and physiology, see pages 54-58.

THE LIBRARY.

The College Library now contains over forty-nine thousand volumes, besides numerous pamphlets. It is arranged with the object of making it especially useful as a library of reference. The students have free access to the shelves and the Librarian and his assistants are, at all times, ready to give aid to students and readers.

About eighteen hundred dollars are expended yearly for the purchase of books and periodicals. The library is a regular depository of the United States Government and several hundred volumes of publications are annually received.

The following literary and scientific periodicals are taken:

Acta Mathematica.	American Journal of Mathematics.
Advocate of Peace.	American Journal of Philology.
American Friend.	American Journal of Religious Psychology.
American Historical Review.	American Journal of Science.
American Journal of Archæology.	

- American Journal of Theology. Columbia University Quar-
 American Machinist. terly.
 American Naturalist. Commercial and Financial
 Anglia. Chronicle.
 Anglia Beiblatt. Comptes Rendus de l'Académie
 Annalen der Physik. des Sciences.
 Annals of American Academv. Congressional Record.
 Annals of Mathematics. Consular Reports.
 Archiv für lateinische Lexi- Contemporary Review.
 kographie und Grammatik. Critic.
 Astronomical Journal. Cumulative Index.
 Astronomische Nachrichten. Department of Labor Bulletin
 Astrophysical Journal. (New York).
 Athenæum. Dial.
 Atlantic Monthly. Economist (London).
 Australian Friend. Educational Review.
 Banner and Herald. Electrical World.
 Beiblätter für die Annalen der Electrician.
 Physik. Electrochemical and Metallur-
 Beiträge zur Geschichte der gical Industry.
 deutschen Sprache und Lit- Engineering Magazine.
 eratur. Englische Studien.
 Biological Bulletin. English Catalogue of Books.
 Bird Lore. English Historical Review.
 Bookman. Experiment Station Record.
 British Friend. Expositor.
 Bulletin Astronomique. Expository Times.
 Bulletin des Sciences Mathé- Evangelical Friend.
 matiques. Fellowship Papers.
 Bulletin of the American Forest Leaves.
 Mathematical Society. Fortschritte der Mathematik.
 Bulletin of the Bureau of Friend (London).
 Standards. Friend (Philadelphia).
 Bulletin of the Department of Friendly Messenger.
 Labor. Friends' Intelligencer.
 Bulletin of Bibliography. Friends' Witness.
 Bulletin of Friends' Historical Friends' Missionary Advocate.
 Society. Friends' Quarterly Examiner.
 Cassier's Magazine. Good Government.
 Catalogue of U. S. Public Doc- Harper's Magazine.
 uments. Harper's Weekly.
 Century Magazine. Harper's Weekly.
 Chicago Banker. Hartford Seminary Record.
 Classical Journal. Harvard Graduates' Magazine.
 Classical Philology. Herald of Peace.
 Classical Review. Hibbert Journal.
 Independent.

- Indian's Friend.
 International Journal of Ethics.
 Jahresbericht über d. Fortschritte d. klass. Altertumswissenschaft, und Beiblatt.
 Johns Hopkins University Circulars.
 Johns Hopkins University Studies in History, etc.
 Journal of the American Chemical Society.
 Journal of the Chemical Society.
 Journal de Mathématiques.
 Journal of Philosophy, Psychology, etc.
 Journal of Political Economy.
 Journal of the Franklin Institute.
 Journal of the Friends' Historical Society.
 Journal of English and German Philology.
 Journal of Experimental Zoology.
 Journal für die reine u. angewandte Mathematik.
 Journal of the Society of Chemical Industry.
 Library Journal.
 Literary News.
 Literaturblatt für germ. u. rom. Philologie.
 Living Age.
 Lower Merion News.
 Mathematische Annalen.
 Messenger of Peace.
 Mind.
 Missionary Review.
 Modern Language Notes.
 Modern Language Review.
 Modern Philology.
 Monthly Notices of Royal Astronomical Society.
 Monthly Summary, Commerce and Finance.
 Nation.
 National Geographic Magazine.
 Nature.
 New York Observer.
 Nineteenth Century and After.
 North American Review.
 One and All.
 Our Missions.
 Outlook.
 Peacemaker.
 Pennsylvania Magazine.
 Philosophical Magazine.
 Philosophical Review.
 Physical Review.
 Political Science Quarterly.
 Popular Science Monthly.
 Princeton University Bulletin.
 Proceedings of the Academy of Natural Science.
 Proceedings of American Antiquarian Society.
 Proceedings of American Philosophical Society.
 Proceedings of the Society for Psychological Research.
 Psychological Bulletin.
 Psychological Review.
 Publications of the Modern Language Association.
 Publishers' Weekly.
 Quarterly Journal of Economics.
 Quarterly Journal of Mathematics.
 Quarterly Review.
 Review of Reviews (American).
 Revue des Deux Mondes.
 Rheinisches Museum für Philologie.
 Romania.
 Schwenkfeldian.
 Science.
 Science Abstracts.
 Scientific American.

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| Scientific American Supplement. | Western Work. |
| Scribner's Magazine. | Wochenschrift für klassische Philologie. |
| Smithsonian Miscellaneous Collections. | World's Work. |
| Sound Currency. | Yale Alumni Weekly. |
| Southern Workman. | Yale University Bulletin. |
| Spectator. | Zeitschrift für Anorganische Chemie. |
| Transactions of the American Mathematical Society. | Zeitschrift für Physikalische Chemie. |
| University Record (Chicago University). | Zoologischer Anzeiger. |
| War or Brotherhood. | Zoologisches Zentralblatt. |

The Library is open, with slight exception, on weekdays from 8.30 a. m to 10 p. m. While designed especially for the use of the officers and students, others have the privilege of consulting and, under certain restrictions, of withdrawing books.

PUBLIC LECTURES, 1906-1907.

HAVERFORD LIBRARY LECTURES.

"The Religious History of Scotland in the Eighteenth Century," three lectures by Dr. John Watson (Ian MacLaren).

2d mo. 14th, 19th, and 26th, 1907.

THE THOMAS SHIPLEY LECTURE ON
ENGLISH LITERATURE.

"Longfellow," by Professor Barrett Wendell, of Harvard University.

4th mo. 26th, 1907.

OTHER LECTURES.

"New Guinea Savages" (illustrated), by Dr. Alfred C. Haddon, F.R.S., University Lecturer in Ethnology at Cambridge, England.

11th mo. 5th, 1906.

"Through Persia into Central Asia" (illustrated), by A. V. Williams Jackson, Ph.D., LL.D., Professor of Indo-Iranian Languages in Columbia University. Lecture delivered under the auspices of the Phi Beta Kappa Society.

12th mo. 7th, 1906.

"Political Conditions in Pennsylvania," by Isaac Sharpless, President of Haverford College. Lecture delivered under the auspices of the Civics Department of the Loganian Society.

12th mo. 11th, 1906.

"Scientific Oyster Culture in the Chesapeake" (illustrated), by Caswell Grave, Ph.D. Lecture delivered under the auspices of the Scientific Department of the Loganian Society.

1st mo. 22d, 1907.

A meeting in behalf of The Hampton Normal and Agricultural Institute, addressed by the assistant chaplain, Edward L. Chichester; on behalf of the Negroes by the Commandant, Major Robert R. Moton, and on behalf of the Indians by Charles Doxon. Singing by the Hampton Quartet.

3d mo. 1st, 1907.

"Roman Remains in Southern France" (illustrated), by Wilfred P. Mustard, Ph.D., Professor of Latin in Haverford College. Lecture delivered under the auspices of the Classical Department.

4th mo. 8th, 1907.

GRADING OF STUDENTS.

Students are classified, according to their grades, into five sections, A, B, C, D, E. Each student is notified of the section to which he has been assigned, but the grades are not published. Section E is composed of those who

have failed. No student is permitted to graduate if his combined average for the Junior and Senior years is below grade C. Daily recitations, hour-examinations and final examinations are all employed in determining the standing of a student.

ADVANCED DEGREES.

Resident graduates who have received the Bachelor's degree from Haverford College, or graduates of other colleges who, in the judgment of the Faculty, have done work equivalent to that required for the Bachelor's degree, may be admitted as candidates for the Master's degree. Such students shall be required to do a full year's work, three-fourths of which shall be in related subjects. The courses must be first accepted by the Faculty before the student is admitted to candidacy. A thesis on a topic in the special field of study may be required and an examination satisfactory to the professor in charge must be passed.

Non-resident graduates of Haverford College of three years' standing or more will be granted the Master's degree when they have satisfactorily done work equivalent to that required of a resident graduate. They must, however, at the opening of their work, arrange with some one department a definite course of study acceptable to the Faculty and make annual reports during the three years to the professor in charge.

The fee for the Master's diploma is twenty dollars, to be paid in all cases before the first of Sixth month of the year in which the degree is granted. In the case of

non-resident graduates an additional fee of ten dollars is required at the beginning of the course.

Adequate courses of study for the Master's degree will be arranged on application to the President.

ROOMS.

A student who continues in the College may retain the room he already occupies. The vacant rooms are assigned by lot, the upper classmen having first choice. About one-fourth of the rooms in Merion Cottage will be reserved for Freshmen. New students may select rooms in the order of entry. For this purpose they must fill certain blanks to be had on application to the President of the College. Signatures to these blanks are considered to bind the students, unless the latter are refused by the College for failure in examination or other cause.

EXPENSES.

The charge for tuition, board and room-rent varies with the location of the rooms from \$375 to \$575 a year, and accommodations for students are furnished at different rates, as follows:

Merion Hall,	17 at \$375 each.
Merion Hall,	20 at \$400 each.
Founders Hall,	8 at \$400 each.
Barclay Hall,	6 at \$400 each.
Barclay Hall.	26 at \$450 each.
Barclay Hall,	54 at \$500 each.
Lloyd Hall,	16 at \$575 each.

The room-rent includes steam heat, electric light, necessary bed-room furniture and care of rooms. Students will supply their own study-room furniture, also towels and table napkins.

The tuition for day-students is one hundred and fifty dollars a year; for tuition and mid-day meal, two hundred dollars a year.

Books and stationery will, at the option of the student, be supplied by the College and charged on the half-yearly bills. Materials consumed and breakage in the laboratories are also charged.

Bills for board and tuition are payable, three-fifths at the beginning, and two-fifths at the middle of the college year.

SCHOLARSHIPS.

I. Senior Foundation Scholarships. Five scholarships of the annual value of \$300 each are offered to graduates nominated by the Faculties of Earlham, Penn, Wilmington, and Guilford Colleges and Friends' University.

II. I. V. Williamson Scholarships. Three scholarships covering all expenses of board and tuition.

III. Richard T. Jones Scholarship. One scholarship covering all expenses of board and tuition.

II and III are so arranged that one is usually vacated each year and awarded to a Freshman.

IV. Corporation Scholarships. Sixteen scholarships of the annual value of \$300 each will be awarded after competitive examination. They are open to all applicants.

Candidates for these scholarships in the Freshman class are usually asked to answer certain questions not required of other applicants for admission. The award for the following college year is made after the Sixth month examination of each year. Candidates in the higher classes are selected each year from those highest on the grade list in the preceding year. Four scholarships are given to each class.

V. Edward Yarnall Scholarship. One scholarship of the annual value of \$200. Open to Friends only.

VI. Thomas P. Cope Scholarship. One scholarship of the annual value of \$200. Open only to Friends who intend to teach.

VII. Sarah Marshall Scholarship. One scholarship of the annual value of \$200.

VIII. Mary M. Johnson Scholarship. One scholarship of the annual value of \$200.

IX. Day Scholarships. Eight scholarships of the annual value of \$100 each.

X. Tuition Scholarships. Twenty-four scholarships of the annual value of \$150 each. One of these may be nominated by the Lower Merion High School for the Freshman year only.

XI. Alfred Smith Scholarship. One scholarship given on competitive examination to a candidate for the Freshman class who is of German-American parentage. The annual value is \$400. It may be held for successive years if the work of the recipient is satisfactory, and may also be followed by a fellowship of \$500 for one year in Harvard University.

XII. Joseph E. Gillingham Scholarships. Four scholarships of the annual value of \$200 each for meritorious students.

All scholarships are given for one year only, but they may be renewed by the College (except I) if the conduct and standing of the recipient be satisfactory.

The Senior Foundation Scholarships will thus be vacated yearly, and about one-fourth of the others.

Except IX and a few of X all scholarships involve residence at the College.

FELLOWSHIPS.

The Clementine Cope Fellowship, of the annual value of \$500, may be awarded by the Faculty to the best qualified applicant from the Senior class. He is required to spend the succeeding year in study at some American or foreign university approved by the Faculty.

On the same foundation are offered, yearly, two fellowships of \$300 each, called Teaching Fellowships, involving certain duties at Haverford College. They are construed to cover all the charges for tuition, rooms and board.

PRIZES.

Alumni Prizes for Composition and Oratory.

The Association of the Alumni, in the year 1875, established an annual prize of \$50, either a gold medal or an equivalent value in books with bronze medal, for excellence in composition and oratory.

The following are the rules governing the competition:

I. The Alumni medal is offered yearly for competition amongst the members of the Senior and Junior classes, as a prize for the best delivered oration prepared therefor.

II. Three or five judges shall be appointed from year to year by the Alumni Committee, who shall hear publicly, in Roberts Hall, all competitors who may be qualified to appear.

III. No oration shall occupy in delivery more than fifteen minutes.

IV. In making the award, while due weight is to be given to the literary merits of the oration, the judges are to consider the prize as offered to encourage more especially the attainment of excellence in elocution.

V. The judges shall have the right to withhold the prize if the elocution and the literary merits of the oration fall below a creditable standard of excellence.

The Everett Society Medal.

This silver medal is offered by the donor to the members of the two lower classes for composition and oratory. It is given in memory of the old Everett Society.

John B. Garrett Prizes for Systematic Reading.

Four prizes worth \$40, \$30, \$20 and \$10, respectively, will be given in books to those members of the Junior class who, having creditably pursued their regular stu-

dies and paid proper attention to physical culture, shall have carried on the most profitable course of reading in standard authors during the Sophomore and Junior years.

The direction of the work and the award of the prizes shall be in the hands of a committee consisting of the President, the Librarian and the Professor of English.

There will be an oral examination to determine the scope and quality of the reading, and a thesis treating of subjects embraced in the course will be required.

Any or all of these prizes may be omitted if, in the judgment of the committee, the work does not justify an award.

The Class of 1896 Prizes in Latin and Mathematics.

These are two prizes worth \$10 each. They will be awarded in books at the end of the Sophomore year for proficiency in Latin and Mathematics, respectively.

The Class of 1898 Prize in Chemistry.

The Class of 1898 offers a prize of \$10 in books to the member of either the Senior or Junior class, who, in the judgment of the professor in charge, shall have done the most thorough and satisfactory work during the year in the laboratory, and in oral and written examinations.

The prize will not be awarded twice to the same student.

The Elliston P. Morris Prize.

A prize of eighty dollars, open to all undergraduates and to graduates of not more than three years' standing, is offered in alternate years for the best essays on "International Peace and the Means of Securing It." The first award will be made in the Fifth month of 1908, and will be announced at Commencement. Any or all of the papers may be rejected if a high standard of merit is not reached. Competitors are urged to avoid mere discussion and fine writing, and to seek the advancement of knowledge by a study of facts or a proposal of practical advantage. The essays of 1908 and 1910 shall be written on one of the following subjects:

1. The grounds for believing that The Hague Conference will become a substitute for war.
2. The ethical grounds for opposition to war.
3. Will the economic burden of war, and of national armaments in time of peace, force the nations of the world to adopt peaceful methods of settling disputes?

HONORS.

For the purpose of honors, studies are divided as follows:

a. Literary group: the Greek, Latin, German, French, Spanish and Italian languages, English literature, history, political science and philosophy.

b. Scientific group: astronomy, biology, chemistry, engineering, mathematics and physics.

Candidates for honors shall elect from any two studies in one of these groups at least five hours a week during

the Junior year, and eight hours a week during the Senior year, and shall announce their candidacy at the beginning of the Junior year.

Highest Honors and *Honors* may be given, dependent on the judgment of the professor in charge. The decisions will be based on special examinations, or on the character of the daily work.

General Honors are awarded for a general average of ninety per cent., or over, during the Senior and Junior years.

Honors will be announced at Commencement and in the succeeding catalogue.

SOCIETIES.

The Loganian Society was established by the officers and students in 1834, and now includes three departments,—a Scientific Department which holds meetings for the reading of papers, the presentation of reports, and the discussion of such topics as may be suggested by its members; a Debating Department; and a Civics Department, for the discussion of political and economic questions.

A flourishing branch of the Young Men's Christian Association, organized in 1879, has a membership embracing three-fourths of the students.

A chapter of the Phi Beta Kappa Society was established at the College in 1898.

The Campus Club is an organization of the faculty, students and other friends of the College for promoting the study and preservation of trees, shrubs, birds and wild animals on the college property.

PERIODICALS.

Haverford College Bulletin. Five publications for the collegiate year in uniform type and binding, including the College Reports, Catalogue, Athletic Annual, and other matter.

The Haverfordian, founded in 1879, is published monthly by the students during the college year.

DEGREES, PRIZES AND HONORS
GRANTED IN 1907.

At the Commencement in 1907, degrees were granted after examination to the following students:

MASTER OF ARTS.

Thomas Kite Brown, Jr., A.B. (Haverford College).

Thesis—The Spirit of the French Revolution in the Formative Period of Modern German Literature.

Richard Lucius Cary, A.B. (Haverford College).

Thesis—Explanatory Notes on *A Class of Spherical Harmonics of Complex Degree with Application to Physical Problems*, by E. W. Hobson, M.A.

Roderick Scott, A.B. (Haverford College).

Thesis—A Study of the Anglo-Saxon Poem, *The Wanderer*, in its Literary Relation and Linguistic Forms.

MASTER OF SCIENCE.

Bernard Lester, S.B. (Haverford College).

Thesis—The Development of the Steel Industry by the Application of Electric Drive.

BACHELORS OF ARTS.

Joseph Cooper Birdsall

Harold Evans

Paul Willits Brown

Ernest Fuller Jones

Walter Lewis Croll

Charles Frederick Lee

William Stauffer Eldridge

Raleigh Cabell Lindsay

Joseph Cornell Beans March	John Whitall Nicholson, Jr.
Howard Mitchell	Howard Hey Shoemaker
Alfred Balch Morton	Emmett Robinson Tatnall
William Butler Windle	

BACHELORS OF SCIENCE.

Arthur Emlen Brown	James Phineas Magill
George Brinton Comfort	Michael Henry March
George Craig Craig	José Padin
Ira Jacob Dodge	Richard Arnold Ricks, Jr.
Francis Downing Godley	William Ryle Rossmassler
Samuel James Gummere	Edward Comfort Tatnall
Wilbur Hamilton Haines	Charles Clayton Terrell
Charles Ruglas Hoover	Alexander Nes Warner
George Hallock Wood	

FELLOWSHIPS.

The Clementine Cope Fellowship (\$500) for 1907-1908
was awarded to
Roderick Scott

Two Teaching Fellowships (\$300 each) for 1907-1908
were awarded to
Thomas Kite Brown, Jr.
José Padin

PRIZES.

The Alumni Prize in Composition and Oratory (\$50 in
books) was awarded to
Ira Jacob Dodge
Honorable Mention James Carey Thomas

*The Everett Society Oratorical Medal for Sophomores
and Freshmen was awarded to*

Howard Milton Lutz

Honorable Mention Sidney Loewenstein

*The John B. Garrett Prizes (in books) for Systematic
Reading during the Sophomore and Junior years
were awarded to*

First Prize (\$40) Winthrop Sargent, Jr.

Second Prize (\$30) Howard Burtt

Third Prize (\$20) William Haviland Morriss

Fourth Prize (\$10) Carroll Thornton Brown

*The Class of 1896 Prizes (in books) in Latin and Mathe-
matics for Sophomores were awarded to*

Latin (\$10) Robert Lindley Murray Underhill

Mathematics (\$10) . Robert Lindley Murray Underhill

*The Class of 1898 Prize in Chemistry (\$10 in books) for
Seniors or Juniors was awarded to*

Walter Lewis Croll

HONORS.

*The following Seniors were elected to the Phi Beta
Kappa Society:*

Harold Evans

John Cooper Birdsall

George Hallock Wood

Ernest Fuller Jones

General Honors (an average of 90 per cent. or over, for the Junior and Senior years) were awarded to

Harold Evans

George Hallock Wood

Honors in Departments were granted as follows:

Honors in Latin Joseph Cooper Birdsall

Honors in English William Stauffer Eldridge

Honors in English and Philosophy

Harold Evans

Honors in Romance Languages,

José Padin

Honors in Philosophy Ira Jacob Dodge

Honors in Chemistry and Biology,

Walter Lewis Croll

Honors in Engineering George Hallock Wood

Corporation Scholarships.

These \$300 scholarships are awarded annually to the four students in each class having the highest average scholarship for the year. In some cases the money is applied, at the option of the holder, to students of greater financial need, the original recipient retaining the honor.

HOLDERS OF CORPORATION SCHOLARSHIPS FOR THE COLLEGIATE YEAR 1907-1908.

Class of 1908

Morris Albert Linton

Winthrop Sargent, Jr.

Carl Forse Scott

Frederick Omar Musser

Class of 1909

R. Lindley Murray Underhill Thomas Kite Sharpless
Clarence Creadick Killen Mark Herbert Carver Spiers

Class of 1910

Christopher Darlington Morley Charles Mitchell Froelicher
John French Wilson Edward Wandell David

Class of 1911.

Levi Arnold Post William Davis Hartshorne, Jr.
Christopher Fallon, Jr. Ebenezer Hall Spencer

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HAVERFORD COLLEGE BULLETIN

VOL. VI.

FOURTH MONTH, 1908

No. 3

Haverford and Its Future

Address to the Class of 1907

Haverford College

by

ERNEST WILLIAM BROWN, Sc.D., F.R.S

Commencement Day

JUNE 14, 1907

Issued Quarterly by Haverford College,
Haverford, Pa.

Entered December 10th, 1902, at Haverford, Pa.,
as Second-Class Matter, under Act of Congress of July 16th, 1894.

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Haverford and its Future.

There is no apology needed from anyone who talks on the subject of education in a Commencement Address, and still less is there an apology needed for a talk on Haverford education before a Haverford audience.

The reasons for my choice of this subject are not far to seek. When you honored me by your selection as the speaker this morning in preference to some well-known man from outside, it was evident that you were willing to pay the penalty of listening to opinions and ideas which many of you must have known before, and of hearing them also under circumstances which do not admit of an immediate reply. I have no proper right to talk on political matters and business affairs and their connection with the College; the selection of a literary theme I have neither the knowledge nor the courage to attempt; and I have many doubts as to whether the subject of mathematics would furnish a text of interest except to those few who have had pleasure or pain from the study of it. But there is one object which has been of deep interest to me during the sixteen years I have spent here and which is of interest to you all: I need hardly say that subject is Haverford College.

One cannot be closely identified with the life in any institution for a long time without forming opinions as to its merits and its faults, what it has done and what it might do, its policy in the past and the lines on which it should proceed in the future. I am, therefore, going to

discuss, as briefly as possible, some of these questions, shielding myself from criticism for so doing beneath the ample folds of the presidential robe. It is, of course, the peculiar right of the President to lay these matters before you, and I should not have ventured to trespass on that right without a permit from him for free speech. It is only fair to add, however, that he is in no way responsible for any opinions I may express, beyond that influence which he cannot help exerting on all who come into close contact with him.

It must sometimes happen to any good Haverfordian to ask how Haverford differs from other Colleges. Is it that she stands in the highest rank, perhaps at the top, amongst the smaller Colleges in the country? Most of us think so, and I believe that we are not far wrong. But we also feel that there is something more than that in the spirit which goes to make what we call "a good Haverfordian" and which I shall not attempt to define. We are agreed that this spirit must be retained in spite of changes in the personnel of managers, faculty, and students. It is now a heritage to be jealously guarded, and the men who work in and for the College have the power to do so in their own hands.

Yet there are certain external means by which their work can be aided. A change in the policy of any institution frequently produces no immediate results at the time it is made, and yet it may, in the long run, have a far-reaching effect on the general character of the place. When we begin to consider what has been done, we may have to look far back for the causes of success or failure. In exactly the same way, hand-to-mouth methods will

not suffice to insure success in the future. We have to settle the plans now for generations of students, ten, twenty and thirty years ahead. A well thought out scheme, consistently carried through, even should future experience show it to be capable of great improvement, will achieve more than sudden and frequent changes without a definite plan of action. I do not mean that legislation will not often have to be undertaken to meet changing times and changing needs. My thought is that there are certain broad lines of action which can be settled and to which many details may be referred. It is as certainly a necessity for the College to have firm foundations of this nature as it is for the United States to have a Constitution. And the time to lay these foundations securely is now while we are free from serious troubles and have the leisure to think matters over quietly. It is these broader issues to which I wish to call your attention to-day.

In the first and foremost place is to be put the connection of Haverford College with the Society of Friends. There has been a growing tendency of late years for many institutions which have been founded and fostered by the members of some religious body to cut loose in all but name from their early associations. Sometimes it has been justified, as in the case of those bodies which have achieved a wide reputation and have grown national rather than local or sectarian in their character. In other cases the charter has been quite frankly changed for a financial reason, for example, that the College might participate in the benefits of State or other funds. But, in many cases, it has been due to impatience at the very

restrictions which, small as they may be, have been most conducive to their welfare. None of these reasons for change seem to apply to Haverford: the College rests secure in the continued and increasing interest and liberality of its friends. The connection with the Society must be no mere technical one, maintained by certain rules specifying, for example, that the Managers or the President shall be members in good standing, or that attendance at Fifth-day Meeting is expected from all students. It must be a real one in which the ideals of the Society for life, conduct and education shall be those which the College is prepared to maintain. The distinctive dress, the plain language, are good as external aids, but the real basis consists in the principles for which the Society stands, and it is those principles which, before all, should be the main factor in the College life. In one sense they are nothing else than the ideals which govern the best men of every creed and country; in another sense they are the highest form of religious thought both for theory and practice. Let who will say that Haverford is a denominational College; perhaps it is, but certainly not in the sense that it tries to inculcate any particular body of doctrine. It stands, not for doctrine, but for principles and ideals of a perfectly definite character, and these form a bed-rock foundation which should not be undermined in any way. Even if some of us feel able to contribute but little towards the maintenance of this connection, we can at least see to it that no hindrance be placed in the way of those who have the desire to retain what I regard as the greatest source of strength of the College.

In the second place, I would put the idea that Haverford is to remain what it now is—a small College. This means that there should be no attempt to increase very largely the number of students or to develop it into a University. Here it is necessary to go a little more into detail, so that there may be a clear idea of what is meant by the distinction between a small College, a large College, and a University. I take no account of the ambitious names adopted by some institutions, but rather class them by the character of the work they are doing and by the size and quality of the body of students and teachers.

The whole idea of a College is that of a single unit working towards a definite end. The students and instructors should, therefore, be in close contact with one another—students with students, instructors with instructors, and students with instructors—in order that there may be thorough agreement and sympathy in carrying out the objects of the College. The various methods by which this can be and is achieved are too well known by you to need any words from me. If Haverford falls short of this ideal of unity, it is not for want of recognizing its necessity. As a matter of fact, there are not and have not been any real lines of division in the College as a whole, as far back as my knowledge goes. A certain degree of friction at times has arisen and will arise, but this is not altogether unwholesome; on the contrary, it is sometimes even necessary, “lest the soft dreams of contentment end in soulless slumber.” Every one too, student and instructor alike, must feel that he is a necessary and integral part of the College, taking a definite place in its life and leaving a gap on his depar-

ture which it behoves his successors to fill to the best of their ability.

To carry out completely this idea of unity, it seems essential that the numbers of students and teachers should be limited. A faculty of more than twenty or twenty-five men becomes too large for free interchange of views on the various questions which come up for discussion: most of the work would be turned over to Committees in which the older men would have the largest share: a line of division is started the evils of which are easily recognized. In a similar way, if the number of students exceeds about 200, they naturally begin to split up into sets and cliques, and it becomes possible for a man to go through College without ever coming into contact with more than a score or so of his fellow-students. My own experience leads me to suggest about 200 students as the outside limit for an effective College: the numbers can be kept down to this by whatever methods seem to be most desirable. Haverford will have to be prepared to resist pressure to increase beyond this number, if she decides to raise a barrier. The best way to do so will be a fixed policy, settled well in advance of the time when it must come into force.

The University is more of the nature of a collection of units and the division is usually along the lines of the various departments into which modern learning is divided. A student goes from one to another and gets what he can from each: there is less unity in the general aim, since each department is necessarily most concerned with maintaining its own affairs in the highest state of efficiency. The University, too, takes all knowledge for

its province, and must, therefore, have several men in each department. It is, or should be, equipped to teach anything and everything demanded. For the sake of economy, therefore, there must be a large body of students—not less than 1,000—perhaps three or four thousand for the greatest efficiency. Something has been lost and must necessarily be lost in this large aggregation. The sentimental feeling for the institution may be kept alive by various methods, but the real unity which is possible in a small College cannot fully exist.

Of course there are, at times, geographical and other reasons why a college should be large and a University small. My point is that the greatest efficiency and economy are not obtained under such conditions. The desire of some of the men's Colleges in the States of the East to increase their numbers to an unwieldy extent, appears to me to be a mistaken policy, or, if circumstances permit, it should only be a step towards the formation of a real University. Haverford, situated with large and efficient Universities within easy reach, has no need to develop in this way, and owes no duty to the community to do so. It can stand as the high type of the small College and continue to do some of the best educational work of the country on its present lines.

Closely connected with this question of numbers is the third point I wish to make. The small College with a faculty of between fifteen and twenty-five has only one or two men teaching in any one department. It is, therefore, advisable that the College should strictly confine itself to undergraduate work, or at most to one year of additional work after graduation. This has in fact been

the general policy here. It is true that there have been one or two departures from it during the last two decades: it seems to me doubtful whether they have been wise. The best doctors' degrees in America are only obtained after at least three years' graduate work under several men in the same department. However excellent the one or two men in any department of a small college may be, they do not have the time for giving a student the extended work which is required by a candidate for a doctor's degree during three years. To give such a degree on lower terms than it is given in the best Universities is to lower the intellectual standards of the College. In order to maintain the present high standard of our bachelor's degree, we must either have corresponding standards for other degrees or refuse to accept candidates for them.

It is interesting to turn aside for a moment and to notice how this idea of the function of the College as distinct from that of the University has developed in England. Until the last half of the century, there were but two places in which the higher learning was fostered and taught, namely, Cambridge and Oxford. The founding of a large number of such institutions scattered over the country was not a necessity in earlier days. When the demand for more facilities came, it arrived at a time when the railroads were built or were being built, so that it was possible for students to reach these centers without great difficulty. They have thus to a large extent held their positions as the chief centers of University training.

Both Oxford and Cambridge are collections of Col-

leges besides being Universities. Each College is a unit in itself so far as the undergraduate life is concerned. It has its own staff of men, it manages its own affairs, it provides for the physical and moral needs of its students, and its faculty does most of the undergraduate teaching. In subjects which attract but few students, several colleges will combine on one man for the necessary instruction. The number of students in any one College averages from 150 to 200, so that the Colleges are small in the sense in which we understand that word. There are eighteen Colleges in Cambridge and a like number in Oxford.

The University, on the other hand, takes charge of all the graduate work and of those subjects in the undergraduate courses which demand laboratory facilities. It examines for and grants all degrees. Thus the training in mind and character, as far as the bachelor's degree, is given by the College, which stamps its own tone on the student. The measure of his work is taken by the University, which knows no distinction between the Colleges. In a word, a student's life is life in a small College; his degree is a University degree.

The fourth matter on which a policy should be framed is one which stands on more debatable grounds, namely, the nature of the education to be given. This is a question which is usually left to the expert, or perhaps, speaking more accurately, to those interested in education. And yet in its broader aspects it is one which will appeal to all and it admits of a simple statement. Does the student want—No, I will change the phrase—is it best for the student to have an all round education,

or shall he begin to specialize immediately after leaving school? If every parent in consultation with the boy's teachers at school could be induced to consider and settle this matter instead of leaving it to the boy's choice when he enters College, I think we should hear less about the disadvantages of a College education. At the age of seventeen one can hardly be the best judge of the kind of education which is best, when those who have had a life-long experience of teaching have not hit on any formula which will fit all minds. However, that is another story. What I wish to bring forward is the kind of education which Haverford seems to have been able to give most effectively in the past, and so to point the way for future action.

It is sometimes useful and nearly always interesting to try and discover the nature and quality of the work which any institution is doing. We may go about and gather opinions (which will largely depend on the manner in which we ask for them) or we may apply various tests to find out what it receives, what it gives, how far it fulfils its promises, what are the needs it supplies. In the case of Haverford, with a considerable body of alumni whose circumstances were well known before entrance into College, and who have kept in close touch with us since their graduation, it is not a difficult matter to gather statistics. I confess that I have made no attempt to obtain them, owing to a deep distrust, not of the statistics, but of the arguments which may be deduced from them. So many factors enter whenever we begin to classify men's work, that a personal opinion has much the same value as such arguments. Thus, in attempting

to obtain information about the work done by Haverford from the careers of those who have passed through the mill, I simply give my own impressions.

The men to be considered are those who make a more or less direct use of the education they have received here, and who have been partly or wholly influenced in their choice of a career by what Haverford has done for them. This excludes the majority of those who have gone into business, it is true, and they are not a small proportion of the whole body, but the effect of their education is indirect and cannot be shown properly until later in their lives. The men I consider are those who follow what are generally called the professions, that is, the men whose work consists essentially in labor for their fellowmen; a service sometimes recompensed by large fees, sometimes by a mere livelihood, sometimes not at all. But that is aside from the main issue; the laborer is worthy of his hire.

These professions may be divided into two classes. The first of these classes, which I shall call advisory, consists of those professions where knowledge or judgment or both are at the service of the community. In the second class I put those professions in which the work is constructive, where the new problems arising with new conditions are worked out, where the architecture of civilization is dealt with. Of course the lines of division of the two classes are by no means sharply drawn. Only the chief function of each is what I have in mind.

In the advisory class come naturally the lawyers, whose chief care is the relation of individuals or a group of individuals to each other or to the community: the teach-

ers and ministers who look after the mental and moral development of the people and chiefly of the rising generation: the modern physician belongs here also, for his work consists in giving advice for the care of the physical evils which flesh is heir to, and in the future will, I believe, consist much more in preventing those evils by advising every man how to live: many positions of trust in the financial and business world belong to this class also. In the constructive class come the engineer, the architect, the student who spends his time in research and investigation, the inventor, and so on. The legislator belongs to both classes. His proper work is both advisory and constructive, perhaps more the former than the latter, although it is now mixed with the duties of an executive, and not unfrequently with those of a special advocate when, for example, private pension bills are under consideration.

For both classes of the professions we have schools where the necessary knowledge and training are furnished: law, medicine, engineering, economics, and so on. But there is a difference. In the advisory class it is essential to full success to have the training which a liberal education furnishes, which lays the basis for a sound and accurate judgment of men and their affairs, a sense of proportion between what is important and what is not important, an eye for what is expedient—the basis which experience will later on complete. This is being more fully recognized as the struggle for the higher places becomes more strenuous. The uneducated lawyer or physician, the congressman or senator who is nothing more than a glorified primary boss, will have to fall

behind when he reaches the ranks of those who have other resources to bring to their aid: the bread cast upon the waters is seen after many days.

On the other hand, the constructive specialist can be and often is successful without any special education outside of his own line. I do not wish to be misunderstood as saying that this class does not need a general education, for I think that every man is better and more effective with it. My point is simply this—that as far as the constructive professions are concerned, a liberal education is not essential for professional success. As against this, there is no doubt that such an education, even though it takes more time, is the best training for any kind of work.

How does Haverford stand in relation to these two classes? Does she provide largely for the constructive side by sending out men who afterwards take to the professions which come under this class? I think not. It is true that she has sent out many engineers, but they are nearly always those whose profession has been determined before entry into College: they elect a special line at the start, and the duty of the College has been to give them the necessary training in that line, with as much else as can be furnished. I refer not to them, but to those who come into College with no settled views as to what they shall take up after the end of their four years here. Their decision for the future will then be largely determined by the indirect influence of the education and surroundings they have while in College. It seems to me that an unusual proportion have taken to the advisory professions, chiefly teaching and law. You will naturally

ask: What about those who have worked in politics and done good service to the State, especially during the last two or three years? It is in no way a criticism on their work to say that it has been advisory, rather than constructive. Perhaps greater success would have attended their efforts if they had been prepared to stand for a series of constructive measures for legislation in addition to putting up and endorsing good men for the work.

However this may be, a definite feature of the education at Haverford appears in this choice of professions which demand something more than the knowledge and training of the specialist. Perhaps no better justification than this one fact can be made for the policy pursued here—the policy, as you are all aware, of the Society of Friends at the foundation of Haverford, and fostered particularly by President Sharpless during the last twenty years.

If I am right in my conclusions, the fruits of this policy will only appear fully in the future. The work of the specialist begins to show early: the trained intellect and character often has to wait until the hour demands it. If a College can send out men whose choice of a profession demands more than mere knowledge in a particular line, there has been something in the methods of education which is worth retaining. Part of this is doubtless due to the individual work of the men who compose the teaching body, but I believe that more is due to the manner in which the separate parts have been co-ordinated to produce the final result—an educated man.

Hence, it seems wise for Haverford to continue on the

same lines, to demand that every one who leaves her gates with her degree shall possess what a Haverford degree has meant in the past—a liberal education. It may be that a free choice of studies will be granted to students in the larger Universities. Even if this happens, there is no need for Haverford to follow them in this particular. There is room for many different methods in the country, and the method which seems natural and best for Haverford is the general plan now in force for her bachelor of arts degree. Any large extension of the elective system will, I believe, do harm here. Rather should the tendency be in the opposite direction. The attempt to produce uniformity in College education throughout the country, in spite of the fact that it makes organization more easy, will have the same result as the fatal attempts to reduce all students to the same level:—it will end in intellectual stagnation and a descent of all to the level of the lowest. Haverford is placed in circumstances where she can stand alone and work out the problem in the way which seems right, using the experiences of other Colleges, not as a route, but as a help towards the best solution.

My final word is to point out one or two hidden rocks in the ship's course, not a present danger to her welfare, but one which may perhaps arise in the future. Taking the College as a whole, Haverford is as nearly ideal as any institution can be in the conditions which make for happiness and contentment in everyone connected with its work. Those very conditions are apt to become an object to be sought after more eagerly than the real object for which the College was founded,—the forma-

tion of mind and character. President Sharpless, while making a speech on a certain occasion not long ago, said he believed that the trouble with men at Haverford was that they were too happy. I believe his remark covers a real danger for the College in the future, the more real because it is insidious and difficult to recognize until it has become serious. I appeal to those who have watched us for the past few years, and ask them to consider whether or not we have done too much to remove hardships and difficulties from Haverford life. In trying to do justice to every one, are we not sometimes apt to forget that relaxations of the rules for individual cases may cause a gradual lessening of the moral and intellectual fibre, a lack of stiffness and vigor throughout the whole of the body? Do not misunderstand me. This danger runs through the whole of the educational system of the country, but the conditions at Haverford render us rather more liable to the disease. And, moreover, as Haverford has not waited in the past to see what other places would do before she embarked on a new movement, neither should she wait now to forestall her own dangers and those of the system to which she belongs. She has been a little ahead of her peers for many years: her existence and success in the future demand that she should still retain the same position at the front.

HVERFORD COLLEGE BULLETIN

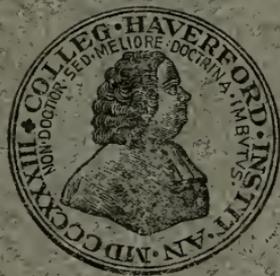
VOL. VI

SIXTH MONTH, 1908

No. 3

Athletic Number

1907-1908



Issued Quarterly by Haverford College,
Haverford, Pa.

Entered December 10th, 1902, at Haverford, Pa.,
as Second Class Matter under Act of Congress of July 16th, 1894

Haverford College Athletics



1907 - 1908



*Edited in the Interest of
Haverford Athletics, by*
JAMES A. BABBITT, M. D.
*Director of the
Physical Department*

Press of
THE JOHN C. WINSTON CO.,
1006-1016 Arch Street,
Philadelphia, Pa.

INTRODUCTION

This published record for 1907-8 reveals a year successful in nearly every branch of athletics, and we are again proud of the standing of Haverford College.

Inasmuch as soccer football absorbed so general an interest throughout the College, considerable space has been allotted to its record. Thanks are due Messrs. Haines, '07, and Guiney for assistance in compilation and Gilbert for photographs.

JAMES A. BABBITT.

Haverford College, June 8, 1908.

Joint Committee on Athletics, 1907-08

Alumni Members

J. W. SHARP, *Chairman*

DR. T. F. BRANSON

DR. J. A. LESTER

W. C. LOWRY

C. J. RHOADS

J. H. SCATTERGOOD

DR. F. B. JACOBS

C. C. MORRIS

A. M. COLLINS

H. N. THORN

Faculty Members

PRESIDENT ISAAC SHARPLESS

DR. JAMES A. BABBITT

Undergraduate Members

C. K. DRINKER, '08

J. B. CLEMENT, '08

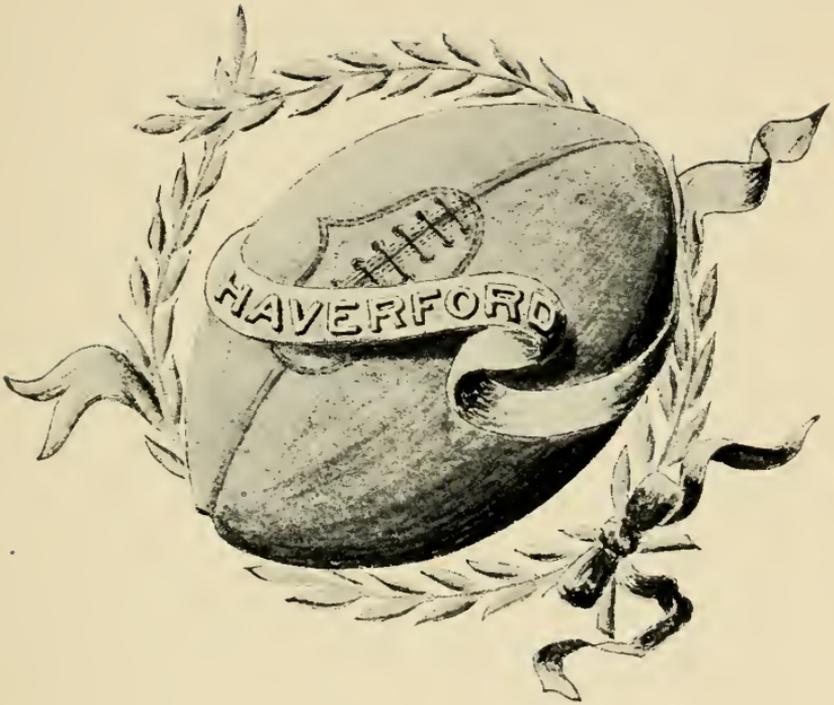
W. SARGENT, '08

J. BUSHNELL, 3D, '08

E. A. EDWARDS, '08

W. R. SHOEMAKER, '08

C. T. BROWN, '08



Athletic Association

C. T. BROWN, '08—*President*

G. S. BARD, '09—*Vice-President*

J. M. WITHALL, '10—*Secretary*

C. J. RHOADS, '93—*Treasurer*



— SEASON —

Foot Ball Department

G. K. STRODE, '08—*Chairman*

C. C. KILLEN, '09—*Vice-Chairman*

C. K. DRINKER, '08—*Manager*

A. J. HILL

M. H. C. SPIERS

} *Asst. Managers*

C. T. BROWN—*Captain*

H. N. THORN, '04—*Head Coach*

W. H. HAINES, '07—*Field Coach*

Haverford College Foot Ball Team

C. T. BROWN, '08 (Captain).....	<i>Right Half Back</i>
G. S. BARD, '09.....	<i>Left Half Back</i>
E. A. EDWARDS, '08.....	<i>Full Back</i>
C. K. DRINKER, '08.....	<i>Quarter Back</i>
A. C. LEONARD, '08.....	<i>Left End</i>
J. K. LEWIS, '09.....	<i>Right End</i>
C. S. MILLER, '08.....	<i>Left Tackle</i>
F. M. RAMSEY, '09.....	<i>Right Tackle</i>
R. A. SPAETH, '09.....	<i>Center</i>
G. W. EMLER, '08.....	<i>Left Guard</i>
G. H. DEACON, '09.....	<i>Right Guard</i>

Foot Ball Season 1907

Games Played, with Scores

Haverford.....	24	Medico-Chi	5	(at home)
Haverford.....	12	Delaware	0	(at home)
Haverford.....	22	N. Y. University.....	0	(away)
Haverford.....	6	Ursinus	0	(at home)
Haverford.....	11	Lehigh	4	(at home)
Haverford.....	6	Rutgers	5	(away)
Haverford.....	0	Franklin and Marshall...	4	(at home)
Haverford.....	0	Trinity	23	(at home)
<hr/>				
Total.....	81	Total.....	41	

Statistics of Foot Ball Team 1907

Age. Height. W'ght.

C. T. BROWN, '08 (Capt.), <i>Right Half Back</i>	21	.5 ft.	10 in.	.160
G. S. BARD, '09, <i>Left Half Back</i>	19	.5 ft.	9 in.	.165
G. W. EMLÉN, '08, <i>Left Guard</i>	20	.5 ft.	11½ in.	.166
C. K. DRINKER, '08, <i>Quarter Back</i>	20	.5 ft.	10½ in.	.148
C. S. MILLER, '08, <i>Left Tackle</i>	19	.5 ft.	10½ in.	.162
A. C. LEONARD, '08, <i>Left End</i>	21	.5 ft.	4 in.	.136
F. M. RAMSEY, '09, <i>Right Tackle</i>	22	.5 ft.	10 in.	.160
G. H. DEACON, '09, <i>Right Guard</i>	19	.6 ft.	2½ in.	.180
T. K. LEWIS, '09, <i>Right End</i>	21	.5 ft.	7 in.	.145
E. A. EDWARDS, '08, <i>Full Back</i>	21	.5 ft.	9½ in.	.165
R. N. SPAETH, '09, <i>Center</i>	20	.5 ft.	9½ in.	.164
F. A. MYERS, '09, <i>Quarter Back</i>	20	.5 ft.	4 in.	.136



Haverford College Football Team, 1907-8

Photo. by Gilbert.

Foot Ball H's Awarded

C. T. BROWN, '08, *Captain*
 G. S. BARD, '09 G. W. EMLEN, '08
 R. A. SPAETH, '09 E. WRIGHT, '08
 A. C. LEONARD, '08 E. A. EDWARDS, '08
 C. L. MILLER, '08

Individual Points Scored

<i>Touchdowns.</i>	<i>Goals.</i>
	POINTS. C. T. BROWN..... 11
G. S. BARD.....	30
C. T. BROWN.....	20
E. A. EDWARDS.....	5
C. L. MILLER.....	5
GARDNER	5
CLEMENT	5

Interclass Foot Ball Games

Sophomores 5 Freshmen 0

Association (Soccer) Foot Ball, 1907-08

C. T. BROWN, '08—*Chairman*

A. J. HILL, '09—*Ice-Chairman*

J. B. CLEMENT, '08—*Manager*

R. A. SPAETH, '09—*Asst. Manager*

C. K. DRINKER, '08—*Captain*

Games Played, with Scores

Haverford	3	Germantown C. C.	3
Haverford	1	Merion	4
Haverford	0	Belmont	1
Haverford	3	Philadelphia	1
Haverford	3	Pennsylvania	3
Haverford	1	P. & R. Railroad	3
Haverford	1	Germantown	2
Haverford	2	Philadelphia	0
Haverford	3	Columbia	0
Haverford	2	Pennsylvania	0
Haverford	4	Cornell	2
Haverford	1	Yale	2
Haverford	1	Harvard	0
Total	25	Total	21

Three teams played during the season, all with reasonable success.



Haverford College Soccer Team, 1907-8.

Photo. by Gilbert.

Statistics of the Soccer Team

A. J. HILL.....	<i>Outside Right</i>
T. K. LEWIS.....	<i>Inside Right</i>
H. A. FURNESS.....	<i>Center Forward</i>
W. R. SHOEMAKER.....	<i>Inside Left</i>
E. S. CADBURY.....	<i>Outside Left</i>
A. S. YOUNG.....	<i>Left Half-back</i>
T. K. SHARPLESS.....	<i>Center Half-back</i>
C. K. DRINKER (Captain).....	<i>Right Half-back</i>
C. L. MILLER.....	<i>Left Full-back</i>
C. T. BROWN.....	<i>Right Full-back</i>
R. A. SPAETH.....	<i>Goal</i>
J. C. THOMAS.....	<i>Substitute</i>
W. JUDKINS.....	<i>Substitute</i>
F. TOSTENSON.....	<i>Substitute</i>



YALE.	Positions.	Haverford.
Dougherty.....	Guard	Spaeth
Merritt.....	Left full-back	Miller
Mahlstedt.....	Right full-back	Brown
Noyes.....	Right half-back	Drinker
Wick.....	Center half-back	Sharpless
Goddard.....	Left half-back	Young
O'Sullivan.....	Right outside	Cadbury
Congdon.....	Right inside	Lewis
Jennings.....	Center forward	Thomas
Hart.....	Left inside	Shoemaker
McNulty.....	Left outside	Hill

Goals—Brown, Congdon, O'Sullivan. Fouls—Yale, 6; Haverford, 3. Referee—Birnbaum, Yale. Linesmen—George and Turnbull, Yale.

Soccer Games.

Games Played, with Scores

COLUMBIA.	<i>Positions.</i>	HAVERFORD.
Tallant.....	Guard	Spaeth
Voscamp.....	Right full-back	Brown
G. Dwyer.....	Left full-back	Miller
Kistler.....	Right half-back	Drinker
Ferguson.....	Center half-back	Sharpless
Hartung.....	Left half-back	Young
Billingley.....	Right outside	Cadbury
Smith.....	Right inside	Lewis
Diaz.....	Center forward	Furness
C. E. Dwyer.....	Left inside	Shoemaker
O'Brien.....	Left outside	Thomas

Referee—Waldron. Goals—Furness, Lewis, Cadbury. Time of halves— 30 minutes.

PENNSYLVANIA.	<i>Positions.</i>	HAVERFORD.
Bricker.....	Guard	Spaeth
Fenn.....	Right full-back	Brown
Maris.....	Left full-back	Miller
Crowell.....	Right half-back	Drinker
Hunter.....	Center half-back	Sharpless
Webster.....	Left half-back	Tostenson
Keenan.....	Right outside	Hill
Wood.....	Right inside	Lewis
Bamford.....	Center forward	Furness
Yost.....	Left inside	Shoemaker
Marsh.....	Left outside	Cadbury

Goals—Furness, Lewis. Time of halves—40 minutes. Referee—Waldron. Linesmen—Bishop and Ewing.

Soccer Games.

Games Played, with Scores

CORNELL.	<i>Positions.</i>	Haverford.
Eustis.....	Guard	Spaeth
Richie.....	Right full-back	Brown
Wright.....	Left full-back	Miller
Tsai.....	Right half-back	Drinker
Towers.....	Center half-back	Sharpless
Galapiki.....	Left half-back	Young
Simimarkir.....	Right outside	Hill
Worden.....	Right inside	Lewis
Retana.....	Center forward	Furness (Thomas)
Crissides.....	Left inside	Shoemaker
Narrigan.....	Left outside	Cadbury

Haverford, 4; Cornell, 2.

Haverford College Bowling Team

J. CROWELL, '09, *Captain*

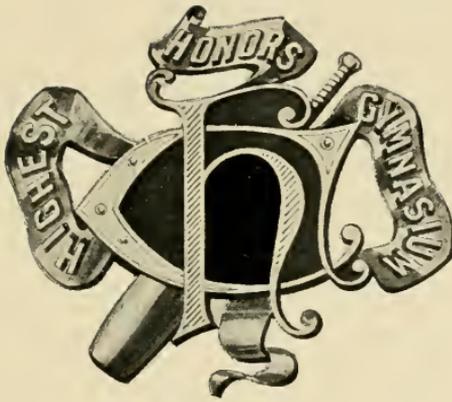
A. W. HUTTON, '10

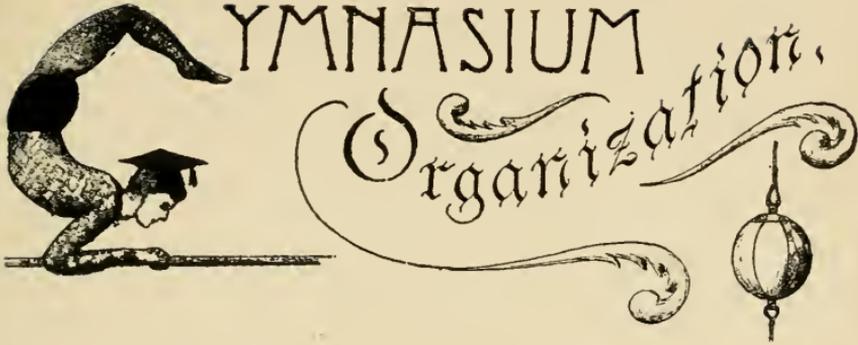
A. S. ROBERTS, '10

E. R. LEVIN, '11

L. MOORE, '09

Tied with U. of P. for Intercollegiate Championship. Columbia and Lafayette defaulted.





Haverford College Gymnasium Team, 1907-08

- J. BUSHNELL, 3D, '08
E. A. EDWARDS, '08, *Captain*
A. C. LEONARD, '08
F. BAILEY, '08
F. A. MYERS, '09
S. MASON, '10
H. BURTT, '08
E. SHOEMAKER, '09
R. SPAETH, '09
J. PHILLIPS, '10
C. F. SCOTT, '08
G. S. BARD, '09
T. K. LEWIS, '09
W. R. SHOEMAKER, '08, *Manager*

Interclass Gymnasium Contest

(1907 Class Banner.)

The results:

HORIZONTAL BAR—Bushnell, '08, first; Edwards, '08, second;
Bard, '09, third.

SIDE-HORSE—Burt, '08, first; Lewis, '09, second; Phillips, '10,
third.

CLUB SWINGING—Myers, '09, first; Shoemaker, '09, second;
Scott, '08, third.

PARALLEL BARS—E. Edwards, '08, first; Mason, '10, second; N.
Edwards, '10, third.

FLYING RINGS—E. Edwards, '08, first; Baily, '08, second; Lewis,
'09, third.

TUMBLING—Bushnell, '08, first; Bard, '09, second; Mott, '09,
third.

TUMBLING (novice)—Drinker, '08, first; Spaulding, '10, second;
Moore, '09, third.

HORIZONTAL BAR (novice)—Sharpless, '09, first; Russel, '11,
second; Moore, '09, third.

SIDE-HORSE (novice)—David, '10, first; Sharpless, '09, second;
Thompson, '09, third.

FLYING RINGS (novice)—Morris, '10, first; Sharpless, '09, sec-
ond; Birdsall, '11, third.

The judges were Dr. F. R. Jacobs, '97; A. M. Collins, '97;
John Scull, '05; and W. H. Haines, '07.

Won by '08; '09, second; '10, third; '11, fourth

Annual Quadrangular Gymnastic Exhibition

HORIZONTAL BAR.

Ahrens, Fernandez.....	NEW YORK UNIVERSITY
Bradford, Erb.....	UNIVERSITY OF PENNSYLVANIA
Dowd, Vezin, McCabe.....	PRINCETON
Edwards, Bard.....	HAVERFORD

SIDE-HORSE.

Fernandez, Ackerman, Ahrens.....	N. Y. UNIVERSITY
Boice, Leitdke.....	UNIVERSITY OF PENNSYLVANIA
Lewis, Burt.....	HAVERFORD

CLUB SWINGING.

Flynn.....	N. Y. UNIVERSITY
Shoemaker.....	UNIVERSITY OF PENNSYLVANIA
Scott, Shoemaker, Myers.....	HAVERFORD

BALANCING TRAPEZE.

Vezin	PRINCETON
-------------	-----------

THREE HIGH.

Feagles, Gilmour, Miller.....	PRINCETON
-------------------------------	-----------

PARALLEL BARS.

Fernandez, Ahrens.....	N. Y. UNIVERSITY
Bradford, Boice, Erb.....	UNIVERSITY OF PENNSYLVANIA
Down, Vezin, McCabe.....	PRINCETON
Edwards, Mason.....	HAVERFORD

FLYING RINGS.

Kingsley, McNabb.....	N. Y. UNIVERSITY
Levi, Bradford.....	UNIVERSITY OF PENNSYLVANIA
Crawford, Dowd.....	PRINCETON
Edwards, Baily.....	HAVERFORD

TUMBLING.

Shiras, Werner, Thompson.....	N. Y. UNIVERSITY
Baily, Perkins.....	UNIVERSITY OF PENNSYLVANIA
Down	PRINCETON
Bard	HAVERFORD

Announcer—Green, Haverford.



Haverford College Gymnasium Team, 1907-8.

Photo. by Gilbert.

Gymnasium Contest

Haverford vs. Lehigh

February 15, 1908

Results :

HORIZONTAL BAR—First, E. A. Edwards, Haverford; second, G. S. Bard, Haverford.

SIDE HORSE—First, S. R. Young, Lehigh; second, T. K. Lewts, Haverford.

CLUB SWINGING—First, W. E. Frankenfield, Lehigh; second, E. Shoemaker, Haverford.

RINGS—First, A. W. Trembley, Lehigh; second, E. A. Edwards, Haverford.

TUMBLING—First, A. C. Leonard, Haverford; second, C. H. Vogt, Lehigh.

PARALLEL BARS—First, A. W. Trembley, Lehigh; second, S. Mason, Haverford.

Announcer, J. Green, '09.

Haverford, 27; Lehigh, 21.

Intercollegiate Gymnastic Contest

Haverford College vs. University of Pennsylvania

March 13, 1908

Results :

HORIZONTAL BAR—First, Bradford, U. of P.; second, Bard, Haverford.

SIDE HORSE—First, Lewis, Haverford; second, Boice, U. of P.

RINGS—First, Bradford, U. of P.; second, Edwards, Haverford.

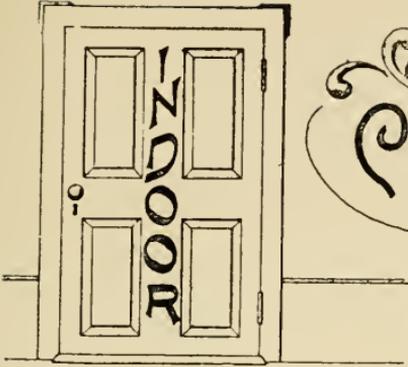
CLUB SWINGING—First, E. Shoemaker, Haverford; second, D. Shoemaker, U. of P.

PARALLEL BARS—First, Edwards, Haverford; second, Erb, U. of P.

TUMBLING—First, Leonard, Haverford; second, Baily and Perkins, U. of P., tie.

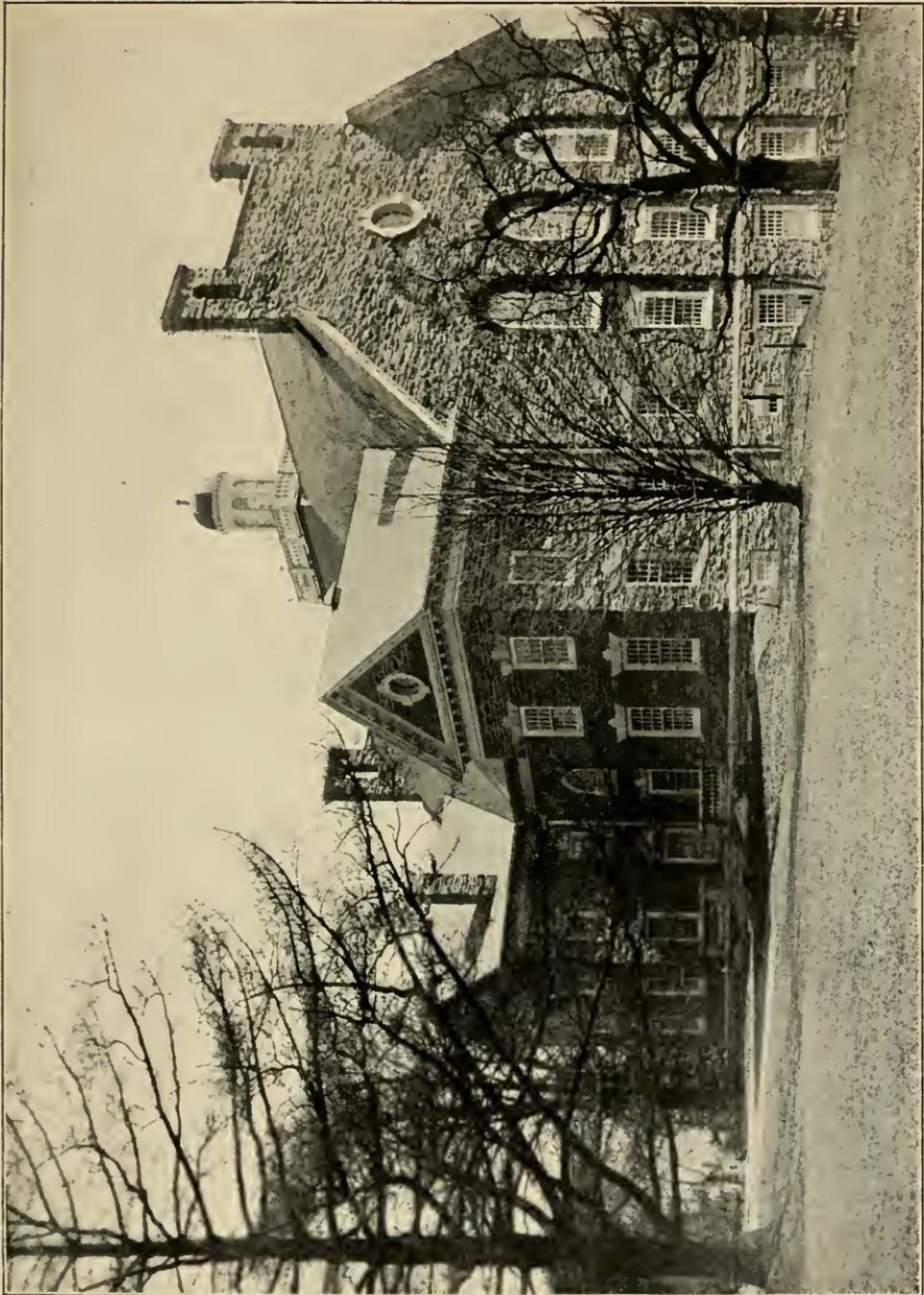
Judges—Dr. H. L. Chadwick and Dr. W. B. Noble.

Haverford, 25; U. of P., 23. Won by Haverford.



Gymnasium Records

Running High Jump	E. B. Conklin, '99	5 ft. 9 $\frac{1}{8}$ in.
Spring-Board Jump	W. B. Rodney, '97	7 ft. 2 in.
Horizontal Bar Jump	F. B. Jacobs, '97	8 ft. 3 in.
Fence Vault	{ A. R. Yearsley, 1901 Howard Burtt, 1908 }	6 ft. 6 in.
High Kick	J. W. Reeder, 1902	9 ft. 6 in.
Putting Shot	V. W. Hall, 1902	38 ft. 5 in.
R. Hop, Skip and Jump	J. W. Reeder, 1902	37 ft. 9 in.
Standing Broad Jump	W. V. Dennis, 1902	10 ft. $\frac{1}{2}$ in.
Standing High Jump	W. V. Dennis, 1902	4 ft. 6 in.
Chest Pull-up	F. N. Vail, '89	37
Chest Dip	F. N. Vail, '89	44
High Jump	E. B. Conklin, '99	5 ft. 9 $\frac{1}{8}$ in.
High Dive	C. H. Jenks, 1900	5 ft. 5 in.



Haverford College Gymnasium.

Interscholastic Gymnastic Meet

The fifth annual interscholastic gymnastic meet was held in the college gymnasium on Friday evening, February 14th.

There were one hundred and eleven entries from seventeen schools. The schools represented were: Blight, Brown Preparatory, Bordentown Military Institute, De Lancey, Episcopal Academy, Friends' Central, Friends' Select, Germantown Academy, Germantown Friends' School, Haverford School, Lawrenceville, Lower Merion High School, Newark Academy, Radnor High School, Swarthmore Preparatory, St. Luke's and the Tome School.

Episcopal won the meet, with a score of thirty-one points; Lawrenceville being a close second, with twenty-nine.

The results of events were as follows:

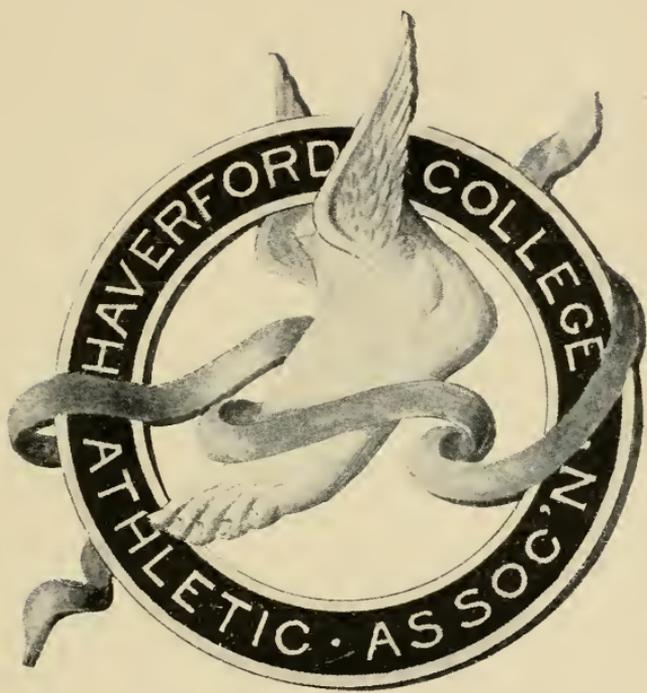
- 220-YARD DASH—First, Piper, Lawrenceville; second, Warton, Episcopal; third, Church, Episcopal.
- RUNNING HIGH JUMP—First, Bartlett, Lawrenceville; second, MacMurray, Tome; third, Lowry, De Lancey.
- HORIZONTAL BAR—First, Fisher, Episcopal; second, Wilson, Lawrenceville; third, Harding, Lawrenceville.
- ROPE CLIMBING—First, Hires, Haverford; second, Stieff, Haverford; third, Wilson, Lawrenceville.
- PARALLEL BARS—First, Biggs, Lawrenceville; second, Ruge, St. Luke's; third, Stouffer, Episcopal.
- CLUB SWINGING—First, Lewis, Episcopal; second, Finletter, Episcopal; third, Clement, Episcopal.
- TUMBLING—First, Stauffer, Episcopal; second, McGregor, Lawrenceville; third, Waples, Haverford.
- HORSE—First, Annin, Lawrenceville; second, Lewis, Episcopal; third, Baldwin, Lawrenceville.
- RINGS—First, Waples, Haverford; second, tie, Fisher and Erben, Episcopal.
- 20-YARD DASH—First, Gill, Tome; second, Armstrong, St. Luke's; third, Towne, Haverford.

The officials were: Judges, gymnastic—Dr. J. Peterson Ryder, Dr. F. A. Finkelday, Mr. C. S. Bushnell, Mr. E. A. Edwards, Mr. E. C. Rossmassler, Mr. C. Ward Beam. Track—Mr. F. M. Eshleman, Mr. H. N. Thorn, Mr. W. W. Justice, Mr. T. K. Brown, Jr., Mr. J. Bushnell, 3d, Dr. H. Howard Jenks, Mr. W. H. Haines. Starter—Mr. Bascom Johnson.

The committee was composed of Sargent, '08, chairman; Drinker, '08; Clement, '08; Strode, '08; Miller, '08; Hill, '09; Spiers, '09; Warnock, '09; Kerbaugh, '10; Kenderdine, '10; Wilson, '10; Dr. J. A. Babbitt, *ex-officio*.

Assistant marshals, Haines, '10, and Furness, '10.

Announcer, Killen, '09, and Clerk of the Course, Drinker, '08.



Track Team, 1908

J. BUSHNELL, 3D, '08—*Captain*

G. S. BARD, '09	E. A. RUSSELL, '11
F. M. RAMSEY, '09	J. W. CRITES, '08
W. PALMER, '10	D. CARY, '10
R. H. MORRIS, '10	J. P. WILSON, '10
A. S. ROBERTS, '10	J. ASHBROOK, '11
W. JUDKINS, '10	E. A. EDWARDS, '08
A. C. LEONARD, '08	FROELICHER, '10
H. GALLAGHER, '11	D. HINSHAW '11
E. R. LEVIN, '11	W. JUDKINS

Relay Carnival, Franklin Field

April 25, 1908

Team

PALMER, '10	CARY, '10
ROBERTS, '10	GALLAGHER, '11
ASHBROOK, '11 (Sub.)	WILSON, '10 (Sub.)

Colleges Represented.

RUTGERS
 COLLEGE OF CITY OF NEW YORK
 WESTERN MARYLAND COLLEGE
 LEHIGH
 DICKINSON
 CARLISLE
 JOHNS HOPKINS

Holders of the Walton Prize Cup

<i>Year.</i>	<i>Name.</i>	<i>Class.</i>	<i>Points.</i>
1901.....	J. W. Reeder	1902.....	23
1902.....	J. W. Reeder	1902.....	53½
1903.....	T. K. Brown, Jr.	1906.....	42
1904.....	T. K. Brown, Jr.	1906.....	45
1905.....	T. K. Brown, Jr.	1906.....	58½
1906.....	T. K. Brown, Jr.	1906.....	77
1907.....	Walter Palmer	1910.....	62
1908.....	Walter Palmer	1910.....	66

Track Department

A. C. LEONARD, '08—*Chairman*

G. S. BARD, '09—*Vice-Chairman*

W. SARGENT, JR., '08—*Manager*

A. D. WARNOCK, '09—*Asst. Manager*

J. BUSHNELL, 3D, '08—*Captain*

Sophomore-Freshman Track Meet

The annual Sophomore-Freshman Track Meet was held on Walton Field, October 2. The Sophomores won by a score of forty-five to twenty-six.

EVENTS.

100-YARD DASH—First, Palmer, '10; second, Roberts, '10; third, Ashbrook, '11. Time, 11 seconds.

220-YARD DASH—First, Palmer, '10; second, Ashbrook, '11; third, Gallagher, '11. Time, 26 1-5 seconds.

HALF-MILE RUN—First, Roberts, '10; second, Coates, '10; third, Russell, '11. Time, 2.13 1-5 seconds.

120-YARDS HURDLES—Forfeited by Sophomores.

QUARTER-MILE RUN—First, Palmer, '10; second, Gallagher, '11; third, Roberts, '10. Time, 58 seconds.

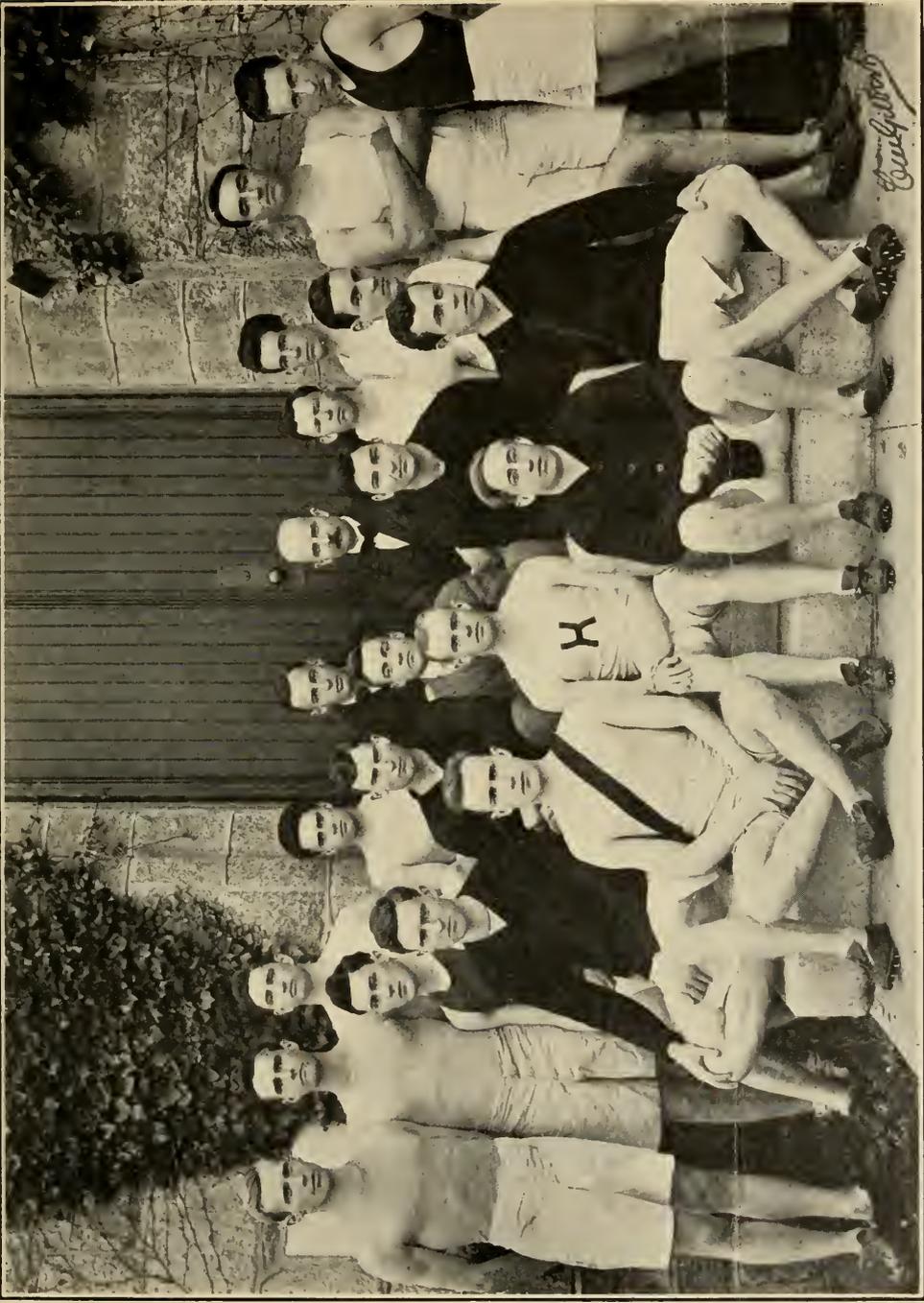
HIGH JUMP—First, Cary, '10; second, Froelicher, '10; third, Gardiner, '11. Height, 5 ft. 2 1-2 inches.

BROAD JUMP—First, Gardiner, '11; second, Froelicher, '10; third, Roberts, '10. Distance, 19 ft. 5 inches.

SHOT-PUT—First, Palmer, '10; second, Hartshorne, '11; third, Froelicher, '10. Distance, 29 ft. 3 inches.

The Twentieth Annual Interclass Spring Athletic Meet

- 220-YARD DASH—First, Palmer, '10; second, Ashbrook, '11; third, Wilson, '10. Time, 23 4-5 sec.
- BROAD JUMP—First, Froelicher, '10, 20 ft. 6 in.; second, Bard, '09, 20 ft. 1 in.; third, Moore, '09, 18 ft. 10½ in.
- SHOT-PUT—First, Kreitz, '08, 35 ft. 9½ in.; second, Warnock, '09, 34 ft. 2½ in.; third, Hinshaw, '11, 34 ft. 1 in.
- 100-YARD DASH—First, Palmer, '10; second, Ashbrook, '11; third, Gallager, '11. Time, 10 3-5 sec.
- QUARTER-MILE—First, Palmer, '10; second, Roberts, '10; third, Levin, '11. Time, 56 sec.
- 220-YARD LOW HURDLES—First, Bard, '10; second, Palmer, '09; third, Hartshorne, '11.
- HALF-MILE—First, Roberts, '10; second, Thompson, '09; third, Smith, '11. Time, 2.14.
- TWO-MILE—First, Morris, '10; second, Edwards, '10; third, Russell, '11. Time, 11.36.
- ONE-MILE—First, Roberts, '10; second, Thompson, '09; third, Smith, '11. Time, 5.01.
- 120-YARD HIGH HURDLES—First, Bard, '09; second, Cary, '10; third, Palmer, '10. Time, 17 2-5.
- POLE VAULT—First, Leonard, '08; second, Bard, '09; third, Russell, '11. Height, 10 ft.
- DISCUS THROW—First, Froelicher, '10; second, Crites, '08; third, Green, '09. Distance, 93 ft. 2 in.
- HIGH JUMP—Tied for first, Bart, '09; Cary, '10; Hartshore, '11. Height, 5 ft. 2 in.



Haverford College Track Team, 1927-8.

Photo. by Gilbert.



Lehigh and Haverford**Wednesday, May 13, 1908****Walton Field, Haverford**

120-YARD HURDLES—Won by Amen, Lehigh; second, Bard, Haverford. Time, 16 2-5 seconds.

HALF-MILE RUN—Won by Roberts, Haverford; second, Gilligan. Time, 2 minutes 5 2-5 seconds.

100-YARD DASH—Won by Palmer, Haverford; second, Ashbrook, Haverford. Time, 10 2-5 seconds.

TWO-MILE RUN—Won by Dunning, Lehigh; second, Morris, Haverford. Time, 10 minutes 38 3-5 seconds.

220-YARD DASH—Won by Palmer, Haverford; second, Ashbrook, Haverford. Time 23 seconds.

220-YARD HURDLES—Won by Amen, Lehigh; second, Leonard, Haverford. Time, 27 2-5 seconds.

ONE-MILE RUN—Won by Dawson, Lehigh; second, Willgoose, Lehigh. Time, 4 minutes 48 4-5 seconds.

QUARTER-MILE RUN—Won by Palmer, Haverford; second, Amen, Lehigh. Time, 54 3-5 seconds.

HIGH JUMP—Won by Riley, Lehigh; second, Young, Lehigh. Height, 5 feet 5 inches.

POLE VAULT—Bard and Leonard, Haverford, tie. Height, 9 feet 9 inches.

BROAD JUMP—Won by Desh, Lehigh; second, Scott, Lehigh. Distance, 20 feet 3 inches.

SHOT PUT—Crites, Haverford, and Slate, Lehigh, tie. Distance, 35 feet 2 inches.

HAMMER THROW—Won by Ramsey, Haverford; second, Crocker, Lehigh. Distance, 119 feet 11 1-2 inches.

Result: Tie at 52 points.

Intercollegiate Athletics

New York University vs. Haverford

May 16, 1908

100-YARD DASH—First, Hammond, N. Y. U.; second, Palmer, Haverford. Time, 10 2-5 seconds.

220-YARD DASH—First, Palmer, Haverford; second, Ashbrook, Haverford. Time, 22 3-5 seconds.

QUARTER-MILE RUN—First, Palmer, Haverford; second, Morlin, N. Y. U. Time, 53 2-5 seconds.

HALF-MILE RUN—First, Smith, N. Y. U.; second, Roberts, Haverford. Time, 2 minutes 5 3-5 seconds.

MILE RUN—First, Davenport, N. Y. U.; second, Thompson, Haverford. Time, 4 minutes 47 seconds.

TWO-MILE RUN—First, Davenport, N. Y. U.; second, Morris, Haverford. Time, 10 minutes 34 seconds.

120-YARD HURDLES—First, Bard, Haverford; second, Judkins, Haverford. Time, 17 seconds.

220-YARD LOW HURDLES—First, Hammond, N. Y. U.; second, Bard, Haverford. Time, 27 3-5 seconds.

HIGH JUMP—Bard, Haverford, Van Cliff, N. Y. U., tie. Height, 5 feet 4 inches.

BROAD JUMP—First, Butler, N. Y. U.; second, Bard, Haverford. Distance, 20 feet 6 1-2 inches.

SHOT PUT—First, Crites, Haverford; second, Hanshaw, Haverford. Distance, 35 feet 11 inches.

HAMMER THROW—First, Ramsey, Haverford; second, Arnold, N. Y. U. Distance, 103 feet 10 inches.

POLE VAULT—Bard, Haverford, Leonard, Haverford, tie. Height, 10 feet.

Won by Haverford, 61-43.



<i>Event.</i>	<i>Made by</i>	<i>Time or Dist.</i>	<i>Date.</i>
100-Yard Dash	W. W. Hall, '02....	10 2-5 sec.	1899
	E. Y. Brown, Jr, '01....	10 2-5 sec.	1900
	W. Palmer, '10.....	10 2-5 sec.	1907
220-Yard Dash	W. Palmer, '10.....	22 3-5 sec.	1908
440-Yard Dash	W. Palmer, '10	52 3-5 sec.	1907
Half-Mile Run	E. C. Tatnall, '07.	2 m. 3 4-5 sec.	1905
Mile Run	P. J. Baker, '10....	4 m. 35 sec.	1907
Two-Mile Run	W. K. Miller, '06.	10 m. 22 sec.	1906
120-Yard Hurdles	T. K. Brown, Jr., '06,	15 4-5 sec.	1905
220-Yard Hurdles	J. W. Reeder, '02.....	27 sec.	1902
Running Broad Jump	T. K. Brown, Jr., '06,	21 ft. 2 $\frac{5}{8}$ in.	1905
Running High Jump	E. B. Conklin, '99....	6 ft. 1 in.	1899
Putting 16-lb. Shot.....	W. W. Hall, '02....	37 ft. 8 in.	1899
Throwing 16-lb. Hammer..	H. W. Jones, '05....	123 ft. 6 in.	1905
Throwing Discus.....	E. F. Jones, '07.....	99 ft. 5 in.	1906
Pole Vault	G. S. Bard	10 ft. 6 $\frac{1}{2}$ in.	1907



INTERIOR OF THE GYMNASIUM ON JUNIOR DAY.

Tennis Department

F. C. BAILY—*Manager*

W. S. FEBIGER—*Asst. Manager*

C. L. MILLER—*Captain*

Team.

Baily, '08

Palmer, '10

Allison, '10

Hutton, '10

Furness, '10

Miller (Capt.), '08

Fall Tournament

Furness, '10, won the singles tournament by defeating Baily, '08, in the final. Score, 6-1, 6-0, 6-4.

Hutton, '10, and Palmer, '10, won the doubles tournament by defeating Baily, '08, and Miller, '08. Score, 9-7, 6-4 2-6, 6-2.

Spring Intercollegiate Meet

Haverford vs. Swarthmore

Baily defeated Sharpless, 6-3 6-4.

Palmer defeated Wetter, 6-4, 6-4.

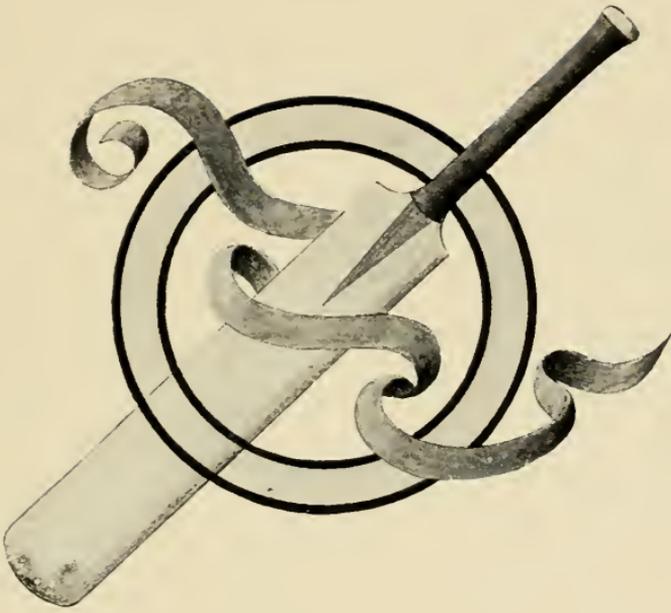
Allison and Miller defeated Wetter and Dietrich, 6-0, 6-8, 6-4, 2-6, 9-7.

Haverford vs. Lehigh

Baily defeated Cunningham, 6-4, 6-3.

Miller defeated Carey, 6-4, 2-6, 9-7.

Allison defeated Miller, 6-4, 6-3, 6-2.



Cricket Department

C. K. DRINKER, '08—*Chairman*

T. K. LEWIS, '09—*Vice-Chairman*

F. A. MYERS, JR., '09—*Asst. Mgr. and Sec.*

J. B. CLEMENT, '08—*Captain*

E. A. EDWARDS, '08—*Manager*

Ground Committee

C. K. DRINKER, '08

R. N. SPAETH, '09

C. T. BROWN, '08

J. B. CLEMENT, '08

T. K. SHARPLESS, '09

J. BUSHNELL, 3D, '08

Cricket Schedule, 1908

First Eleven

- Saturday, April 25—Frankford at Frankford.
 Saturday, May 2—Germantown at Haverford
 Wednesday, May 6—Pilgrims at Haverford.
 Saturday, May 9—Baltimore C. C. at Baltimore.
 Friday, May 15—Harvard at Haverford.
 Saturday, May 16—Radnor at Wayne.
 Wednesday, May 20—Next 15 at Haverford.
 Saturday, May 23—Cornell at Ithaca.
 Saturday, May 30—Pennsylvania at Haverford.
 Saturday, June 6—All Scholastic at Haverford.

Second Eleven

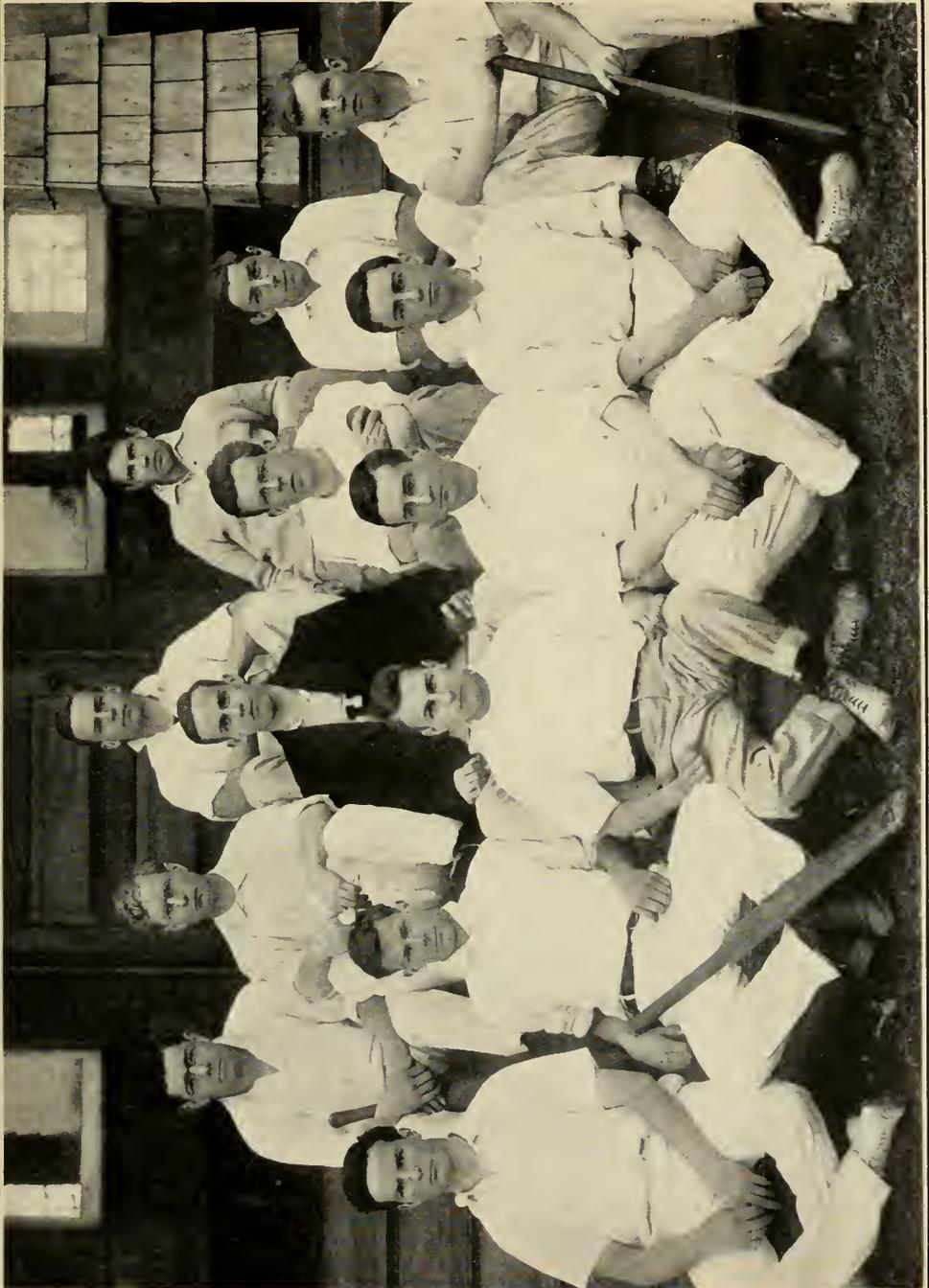
- Saturday, April 25—Frankford at Haverford.
 Saturday, May 2—Germantown at Manheim.
 Saturday, May 9—Merion at Haverford.
 Saturday, May 16—Next 15 at Haverford.
 Wednesday, May 20—First Eleven at Haverford.
 Saturday, May 23—Merchantville at Merchantville.
 Saturday, June 6—Radnor at Haverford.

Third Eleven

- Saturday, April 11—Westtown School at Haverford.
 Wednesday, April 29—Central High School at Haverford.
 Wednesday, May 6—Germantown Academy at Haverford.
 Friday, May 8—Friends' Select at Haverford.
 Tuesday, May 12—Penn Charter at Haverford.
 Saturday, May 23—Williamson School at Haverford.

Class Games

- Tuesday, April 28—1910 *vs.* 1911.
 Monday and Tuesday, May 4 and 5—1908 *vs.* 1909.
 Wednesday and Thursday, May 13 and 14—Championship.



Haverford College Cricket Team, 1907-8.

Photo. by Gilbert.

Cricket Prizes for 1907

The Cricket Prizes for 1907 were awarded as follows:

First Eleven

Colors—J. B. CLEMENT, JR., '08.

Cope Prize Bat for best average—A. W. HUTTON, '10. Average, 31.6.

Congdon Prize Ball—J. B. CLEMENT, JR., '08. Average, 8.2.

Haines Prize Fielding Belt—J. P. MAGILL, '07.

Second Eleven

Class of '85 Prize Bat—J. C. THOMAS, '08. Average, 14.6.

Class of '85 Prize Ball—J. W. NICHOLSON, JR., '07. Average, 6.5.

Class of '85 Prize Fielding Belt—T. K. LEWIS, '09.

Other Prizes

Improvement Bat—S. MASON, JR., '10.

Shakespeare Bat—S. MASON, JR., '10. Average, 18.

C. R. Hinchman Prize Bat—A. W. HUTTON, '10. Average, 67.

Christian Febiger Prize Ball—J. B. CLEMENT, JR. Average, 7.7.

Prize Bat, best Freshman batsman—H. A. FURNESS, '10.

Prize Ball to best Freshman Bowler—E. S. CADBURY, '10.

Prize Cup to best All-around Freshman—H. A. FURNESS, '10.

Class of '85 Prize Ball—Class of 1907.

Cricket Teams, 1908

First Eleven

J. B. Clement, Jr., '08 (Capt.)	R. N. Brey, '09
E. A. Edwards, '08	T. K. Lewis, '09
J. C. Thomas, '08	C. K. Drinker, '08
C. T. Brown, '08	H. Furness, '10
T. K. Sharpless, '09	A. Hutton, '10
W. Hartshorn, '11	

Second Eleven

R. A. Spaeth, '09 (Capt.)	J. Pennypacker, '09
F. Bailey, '08	E. Cadbury, '10
E. Wright, '08	W. Judkins, '10
C. S. Scott, '08	F. R. Taylor, '09
F. A. Myers, '09	G. Mixter, '11
J. Downing, '11	

Third Eleven

C. Miller (Capt.), '08	F. David, '10
G. S. Strode, '08	C. Haines, '10
A. J. Hill, '09	N. Edwards, '10
H. Taylor, '11	W. J. Young, '11
G. Kerbaugh, '10	H. Ferris, '11
W. Klein, '11	

Intercollegiate Series, June 5, 1908.

PENNSYLVANIA.		HAVERFORD.	
Graham, b. Thomas	5	Edwards, b. Hordern	0
Lee, b. Clement	3	Brey, c. and b. Keenan	2
Latchell, b. Thomas	7	Brown, b. Crowell	20
Hunter, b. Thomas	5	Furness, b. Keenan	3
Hales, b. Thomas	10	Hutton, c. Hordern, b. Keenan	0
Morris, b. Thomas	45	Drinker, c. Crowell, b. Hordern	11
Keenan, c. Thomas, b. Clement	32	Sharpless, not out	9
McElhone, b. Thomas	0	Clement, c. Keenan, b. Hordern	0
Hordern, c. Furness, b. Clement	10	Lewis, b. Hordern	0
Crowell, not out	1	Thomas, c. Morris, b. Hordern	0
Mann, c. Hutton, b. Clement	0	Extras	10
Extras	12	Hartshorne, b. Hordern	9
Total	133	Total	64

Haverford vs. Merion**Cope Field**

A. Hughes, b. Clement	6
A. B. Mifflin, b. Thomas	6
F. D. Godley, b. Clement	4
D. McFarland, b. Clement	0
S. Gummere, b. Hartshorn	11
A. G. Hare, b. Clement	3
F. Williams, b. Clement, stumper Mason.....	0
F. A. Myers, b. Clement	4
J. Pennypacker, b. Hartshorn	7
L. Kerbaugh b. Hartshorn	0
J. Downing, not out	10
Byes	1
Leg-byes	1
<hr/>	
Total	57

Haverford

E. A. Edwards, c. and b. Macfarlin	27
N. E. Bry, c. Williams, b. Macfarlin	0
C. T. Brown, l. b. w., b. Godley	1
A. Hutton, c. Downing, b. Godley	13
F. Bailey, c. Mifflin, b. Macfarlin	3
R. W. Spaeth, b. Macfarlin	1
B. Clement, c. Macfarlin, b. Godley	2
W. Hartshorn, c. Godley, b. Macfarlin	0
S. Mason, run out	3
T. K. Lewis, not out	10
J. C. Thomas, b. Hughes	8
Byes	2
Leg-byes	1
Wides	1
<hr/>	
Total	81

Haverford vs. Cornell

238 to 25.

Cornell

C. Lex, b. Clement	0
L. Chryssides, b. Clement	2
C. Wright, b. T. Thomas, c. Brown.....	3
V. Naryan, b. Clement	8
L. Paul, b. Clement	1
W. Richie, b. Clement	3
J. Sowers, b. Clement	0
M. Flint, not out	0
P. Monroe, b. Thomas	0
A. Bertel, c. Edwards, b. Thomas	0
F. Cornell, c. Hartshorne, b. Thomas	0
Byes	7
Leg-byes	1
<hr/>	
Total	25

Haverford

E. A. Edwards, b. Wright	48
N. Brey, b. Ritchie	1
A. Hutton, c. Paul, b. Wright	42
C. T. Brown, c. Bertel, b. Wright	39
F. A. Myers, b. Richie	0
F. Bailey, c. Wright, b. Richie	8
T. Sharpless, c. Chryssides, b. Richie	1
T. K. Lewis, c. Flint, b. Chryssides	12
J. B. Clement, not out	29
J. C. Thomas, c. Chryssides, b. Paul	16
W. Hartshorn, c. Bertel, b. Paul	23
Byes	15
Leg-byes	2
Wides	2
<hr/>	
Total	238

Results of Cricket Matches

First Eleven

Haverford	48
Frankford	140
Haverford	63
Germantown	60
Haverford	75
Merion	57
Haverford	Draw
Radnor	Draw
Haverford	238
Cornell	25

Second Eleven

Haverford	58
Frankford	113
Haverford	98
Next Fifteen	86

Third Eleven

Haverford	50
Westtown B. S.	30
Haverford	102
Central High School	80
Haverford	54
Penn Charter School	42

Regulations for Awarding Insignia, Haverford College

I.

All committees for awarding college emblems shall be held responsible to the Athletic Association.

II.

The Varsity H for all branches of athletics shall be of a uniform shape, and either of two sizes. The H shall conform to the one of the two standard patterns which shall be kept by the Athletic Association.

III. FOOTBALL.

The football sweater shall be scarlet, with black neck, wristlets and waistband, with a black H. The wristlets and waistband shall each be three and one-half ($3\frac{1}{2}$) inches in width.

The football jersey shall be black, with striped sleeves, a scarlet neck and a scarlet waistband, with a scarlet H. The stripes, which shall be two inches wide, shall be alternate scarlet and black.

Men not holders of a football H shall not wear any part of the uniform except on the football field.

The football H shall be awarded each year by the captain, manager, and chairman of the football department. No more than 12 H's shall be awarded in any one year, and these shall be awarded to the most deserving men.

IV. CRICKET.

The cricket colors shall consist of the cricket sweater, the scarlet and black blazer and cap, and the scarlet and black sash. The cricket sweater shall be white with a low neck, and a lower waistband of scarlet and black, one and one-half ($1\frac{1}{2}$) inches wide, and shall have on the breast a scarlet Varsity H.

The cricket colors shall be awarded each year by the Ground

Committee of the Cricket Department. Colors shall be awarded to the most deserving players each year, and shall be limited to eleven in number.

V. TRACK.

The track uniform shall consist of a white sleeveless jersey and white running trousers, with scarlet and black stripes down the sides and with a scarlet and black waistband.

The track Varsity sweater shall be a plain scarlet sweater, and the track H shall be a black Varsity H on both the sweater and the jersey.

The track H shall be awarded each year by the captain, manager and chairman of the Track Department at their discretion. The following men only shall be eligible for consideration:

(a) Men who have won a point or part of a point in the annual meet of the I. C. A. A.

(b) Men who have won one first place and three (3) other points; or who have tied for first place and won three (3) other points.

(c) Members of a winning relay team in the relay carnival at Franklin Field who have won three points in dual meets during the season.

VI. GYMNASIUM.

The gymnasium uniform shall consist of a red sleeveless jersey, black tights, black leotod, scarlet belt, and black shoes. The emblem, which shall be worn only on the jersey, shall conform to the pattern kept by the Athletic Association.

The gymnasium H and emblem shall be awarded each year by the captain, manager and chairman of the Gymnasium Department. The H shall be awarded to not more than two men each year and shall be awarded to the most deserving two. The emblem shall be awarded only to men winning a first or two seconds in a dual meet.

VII. SOCCER.

The soccer uniform shall consist of a gray shirt with a scarlet and black sash running diagonally over the right shoulder;

khaki trousers and gray stockings. Any man who has played in two intercollegiate games shall be entitled to wear the college seal on the pocket of his shirt.

The soccer sweater shall be a plain gray sweater with a black Varsity H. The soccer H shall be awarded each year by the Ground Committee of the Soccer Association, to not more than three (3) men.

VIII. VARSITY CAP.

There shall be a Varsity cap, which may be worn by the holders of any Varsity H. This cap shall be a plain black eton cap, with a scarlet H, which shall be one and one-half ($1\frac{1}{2}$) inches in height and one (1) inch in width, and which shall conform in shape to the Varsity H.

IX. WEARING OF EMBLEMS.

No person shall be entitled to wear any emblems, uniforms or parts of uniforms above mentioned except on the field or in a meet, until that person shall have been authorized to do so by the committees having charge of the same.

X. HATS AND CAPS.

No person shall wear an H, either plain or in monogram, on any hat or cap except on the Varsity cap.

NOTE.—This rule does not apply to the class hats or caps of classes in college in June, 1907.

XI. CLASS NUMERALS.

Class numerals on sweaters and jerseys shall be awarded to not more than eleven men on any class football or cricket team, to be selected by the captain, manager and chairman of the respective departments; to men winning one first or two seconds in the Sophomore-Freshman track meet, or to the winner of the college tennis tournament in singles.

Numerals may be worn only by those who have won them, upon the regulation class jersey—a black jersey with scarlet cuffs.

waistband, neck, and numerals—or on any style sweater, except the Varsity sweater, in black or scarlet and black.

Numerals won for football, cricket and association football shall be awarded by the same committee that awards the corresponding H in each department, subject to the following regulations:

Football.—Numerals may be awarded to Sophomores and Freshmen who play in the Sophomore-Freshman game. And to not more than five (5) Seniors and Juniors, deserving them for good, conscientious work during the season, either on the Scrub or on the Varsity; except that those who receive their Varsity H shall not be awarded numerals. The awards shall be made each year.

Cricket.—Numerals may be awarded to not more than six (6) members of the team winning the Class Championship, and to not more than four (4) members of any of the other class teams, and they shall be awarded to the most deserving each year.

Track.—The winning of a first place and three (3) additional points in the Sophomore-Freshman track meet or a first place in the Interclass track meet secures numerals.

Tennis.—The college champion in singles shall be awarded numerals.

Association Football.—Numerals may be awarded to not more than three (3) members of any class team; and shall be awarded to the most deserving each year.

Twelfth month 12, 1907.

The Walton Prize Cup

Presented by Mr. Ernest F. Walton, of the Class of 1890. for the encouragement of individual athletic work, and to be awarded annually to the student who wins the highest total of points in athletic competition during the college year, and subject to the following conditions:

1. The athletic events accepted shall be those of the annual inter-class athletic meeting, the sophomore-freshman athletic sports, the Pennsylvania relay carnival, the annual Princeton handicap games, and the I. C. A. A. A. A. meeting. Additional events may be accepted at the discretion of the committee of award. (Dual college meets now included.)

2. Points shall count as follows:

INTER-CLASS ATHLETIC MEETING—Five, three and one for first, second and third places, respectively.

SOPHOMORE-FRESHMAN SPORTS—Three, two and one for first, second and third places.

DUAL COLLEGE MEETS—Five, three and one for first, second and third places, respectively.

PENNSYLVANIA RELAY CARNIVAL—Five or three points for each member of the team winning first or second place.

PRINCETON HANDICAP MEETING—Ten, six and two for first, second and third places.

I. C. A. A. A. A. MEETING—Twenty, fifteen, ten and five points for first, second, third and fourth places, respectively.

3. The athletic sub-committee of the general advisory athletic committee of the alumni and students shall constitute the committee of award.

4. The winner of the Cup shall hold the same for one year and his name with total points won shall be inscribed upon it.

5. The Cup shall be returned to the athletic director immediately after the Intercollegiate Meeting (I. C. A. A. A. A.), and shall be re-awarded within the two weeks following the same meeting.

6. The conditions above outlined may be modified at the unanimous wish of the joint student and alumni committee, with the consent of the donor.



Cope Prize Bat

<i>Year</i>	<i>Name</i>	<i>Class</i>	<i>Average</i>
1877	E. T. COMFORT	'78	18.83
1878	E. T. COMFORT	'78	10.03
1879	SAMUEL MASON	'80	14.
1880	SAMUEL MASON	'80	17.57
1881	T. N. WINSLOW	'81	12.5
1882	G. B. SHOEMAKER	'83	9.6
1883	W. F. PRICE	'81	11.88
1884	SAMUEL BETTLE	'85	17.25
1885	SAMUEL BETTLE	'85	23.
1886	G. S. PATTERSON	'88	32.8
1887	A. G. GARRETT	'87	35.66
1888	T. E. HILLES	'88	9.6
1889	R. L. MARTIN	'92	13.
1890	C. H. BURR, JR.	'89	19.14
1891	J. W. MUIR	'92	38.5
1892	J. W. MUIR	'92	26.25
1893	J. A. LESTER	'96	100.5
1894	J. A. LESTER	'96	62.2
1895	J. A. LESTER	'96	49.83
1896	J. A. LESTER	'96	41.1
1897	C. G. TATNALL	'97	9.85
1898	T. WISTAR	'98	21.75
1899	F. C. SHARPLESS	1900	26.
1900	F. C. SHARPLESS	1900	37.
1901	C. C. MORRIS	1904	21.80
1902	C. C. MORRIS	1904	35.20
1903	C. C. MORRIS	1904	50.56
1904	W. P. BONBRIGHT	1904	31.20
1905	R. I. PEARSON	1905	37.
1906	A. T. LOWRY	1906	25.8
1907	A. W. HUTTON	1910	31.6

Congdon Prize Ball

<i>Year</i>	<i>Name</i>	<i>Class</i>	<i>Average</i>
1877	J. M. W. THOMAS	'78	1.11
1878	E. T. COMFORT	'78	6.47
1879	W. C. LOWRY	'79	5.81
1880	B. V. THOMAS	'83	5.78
1881	W. L. BAILY	'83	5.31
1882	A. C. CRAIG	'84	4.30
1883	W. L. BAILY	'83	8.00
1885	W. F. HILLES	'85	4.50
1886	A. C. GARRETT	'87	8.25
1887	J. W. SHARP, JR.	'88	7.86
1888	H. P. BAILY	'90	5.47
1889	H. P. BAILY	'90	5.86
1890	H. P. BAILY	'90	6.50
1891	D. H. BLAIR	'91	17.50
1892	JOHN ROBERTS	'93	7.33
1893	JOHN ROBERTS	'93	7.90
1894	A. P. MORRIS	'95	5.97
1895	A. P. MORRIS	'95	6.46
1896	J. A. LESTER	'96	6.19
1897	R. S. WENDELL	1900	8.25
1898	L. W. DEMOTTE	1901	5.22
1899	W. S. HINCHMAN	1900	9.40
1900	L. W. DEMOTTE	1901	6.00
1901	L. W. DEMOTTE	1901	8.13
1902	N. A. SCOTT	1902	10.92
1903	H. PLEASANTS, JR.	1906	7.49
1904	F. D. GODLEY	1907	4.83
1905	H. PLEASANTS, JR.	1906	7.47
1906	F. D. GODLEY	1907	8.47
1907	J. B. CLEMENT, JR.	1908	8.2

Haines Prize Fielding Belt

<i>Year</i>	<i>Name</i>	<i>Class</i>	<i>Year</i>	<i>Name</i>	<i>Class</i>
1876—	C. S. CROSMAN	'78	1892—	S. W. MORRIS	'94
1877—	A. L. BAILY	'78	1893—	W. W. SUPPLEE	'95
1878—	J. E. SHEPPARD	'79	1894—	F. P. RISTINE	'94
1879—	A. P. CORBITT	'80	1895—	J. H. SCATTERGOOD . .	'96
1880—	W. F. PRICE	'81	1896—	A. G. SCATTERGOOD . .	'98
1881—	B. V. THOMAS	'83	1897—	A. G. SCATTERGOOD . .	'98
1882—	S. B. SHOEMAKER . . .	'83	1898—	A. G. SCATTERGOOD . .	'98
1883—	W. L. BAILY	'83	1899—	W. S. HINCHMAN . .	1900
1884—	W. S. HILLES	'85	1900—	W. V. DENNIS	1902
1885—	W. F. PRICE	'81	1901—	C. C. MORRIS	1904
1886—	J. W. SHARP, JR. . . .	'88	1902—	A. C. WOOD, JR. . . .	1902
1887—	H. P. BAILY	'90	1903—	J. B. DRINKER	1903
1888—	C. H. BURR, JR. . . .	'89	1904—	H. H. MORRIS	1904
1889—	J. S. STOKES	'86	1905—	A. T. LOWRY	1906
1890—	J. W. MUIR	'90	1906—	H. W. DOUGHTEN, JR.	1906
1891—	G. THOMAS, 3D.	'91	1907—	J. P. MAGILL, 1907.	

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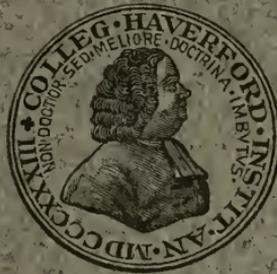
VOL. VI

EIGHTH MONTH, 1908

No. 5

Alumni Number

1908



Issued Quarterly by Haverford College,
Haverford, Pa.

Entered December 10th, 1902, at Haverford, Pa.,
as Second Class Matter under Act of Congress of July 16th, 1894

Proceedings

of the

Fifty-second Annual Meeting

of the

Alumni Association

of

Haverford College

Held in Roberts Hall, June 10, 1908

THE Fifty-second Annual Meeting of the Alumni Association of Haverford College was held at Haverford, in Roberts Hall, on June 10, 1908. President Frederic H. Strawbridge, '87, called the meeting to order at 6.35 p. m.

On motion the roll call was omitted, but apparently about one hundred and twenty-five members were present at the meeting.

Since printed copies of the proceedings of the last annual meeting had been sent to each member, the reading of the minutes of that meeting was omitted, in accordance with a motion duly carried.

Under the regular order of business the following report of the Executive Committee was read and accepted:

To the Alumni Association of Haverford College:

Your Executive Committee respectfully reports that two meetings have been held during the past year for the consideration of the regular business of the Association.

The twenty-first annual dinner of the Alumni Association was held at the Bellevue-Stratford, on February 15th, two hundred and thirty-five men being present. Frederic H. Strawbridge, '87, presided, and introduced the following speakers: President Sharpless; Professor Shailer Mathews, of Chicago University; President L. Lyndon Hobbs, '76, of Guilford College; Mr. Charles Heber Clark (Max Adeler); and Dr. Charles Wood, '70.

An unexpected pleasure was the presence of President Schurman, of Cornell, who came in and addressed the Haverfordians, while President Sharpless was welcomed by the Cornell men assembled in an adjoining room. President Schurman's topic was, "A Liberal Education," in connection with which he praised Haverford most highly.

A double quartette of the College Glee Club was in attendance. There was a general feeling that the dinner was the most successful ever held by the Alumni Association.

The price charged each person was \$3.50, which was not sufficient to cover all the costs incident to the dinner, and the deficit was paid, partly by a generous alumnus, and the balance out of the general funds of the Association.

The subject of the care and maintenance of the College Gymnasium, which was referred to your Executive Committee at the last Annual Meeting, was considered, and on motion referred to the College authorities as more properly coming under their jurisdiction. We understand that a marked improvement in this matter has been effected during the past winter.

Reports from all Standing Committees have been requested from the respective Chairmen for presentation at this year's Annual Meeting.

The deaths of the following matriculates of Haverford College have been reported to the Secretary during the past year:

- '39 Lloyd Balderston December 23, 1907.
'48 Stephen S. Price.

- '53 Wistar H. Stokes.
 '54 David ScullNovember 22, 1907.
 '56 Henry Fothergill.
 '57 Jesse Sharpless Cheyney.
 '58 Ellis H. YarnallDecember 18, 1907.
 '59 William H. S. Wood.....December 11, 1907.
 '59 Folwell Buxton Hill.....April 16, 1907.
 '67 Adam Exton Witmer.
 '75 Harold P. Newlin.
 '80 William Ross Updegraff.
 '84 Frederick C. Butler.
 '90 William Bradford Eaton,
 M. D..... March 17, 1908.
 '99 Rufus Horton JonesAugust 19, 1907.
 '02 George Spencer Garrett ..November 28, 1907.

Respectfully submitted,

C. J. RHOADS, *Secretary*.

PHILADELPHIA, Pa., June 6, 1908.

The Committee on Membership presented a report as follows, which was unanimously accepted on motion duly carried, and the gentlemen named therein were thereupon declared admitted to membership in the Association:

To the Alumni Association of Haverford College:

The committee appointed at the last Annual Meeting to nominate members to the Association report that they have met and agreed upon the following nominations:

- Franklin B. Levis, '53, Mt. Holly, N. J.
 George Brinton Thomas, '54, West Chester, Pa.
 Stephen G. Collins, '56, Philadelphia, Pa.

Victor W. Wheeler, '05, Rochester, N. Y.
 Donald A. C. Evans, '06, Philadelphia, Pa.
 Jackson Maloney, '06, Philadelphia, Pa.
 Karl Jackson Barr, '07, Paris, Ill.
 Richard Cadbury, Jr., '07, Haverford, Pa.
 C. Jansen Claassen, '07, Winnipeg, Man.

Respectfully submitted,

HENRY COPE, '69, *Chairman.*

HAVERFORD, JUNE 10, 1908.

The Treasurer read the following report, which was accepted and ordered spread upon the minutes:

TREASURER'S REPORT.

General Account.

RECEIPTS.

Balance as per account of June 11, 1907	\$164.80
Subscriptions for General Purposes	781.00
Special Subscription for Cricket Pavilion	1.25
Interest on Deposits	1.93
	<hr/>
	\$948.98
	<hr/> <hr/>

PAYMENTS.

Expenses of Alumni Day, 1908	\$9.00
Dinner at the College, Alumni Day, 1907	450.00
Printing and sending out 1,000 copies of Alumni Number of College Bulletin	88.55
On account of Prize for Oratory for 1907	44.35
Medal for Prize for Oratory for 1908	4.00
Printing, Stamps, Stationery and Clerical Services	63.41
Deficit on Midwinter Dinner	11.33
Alfred G. Scattergood, refund of amount expended for tablets, etc., for Cricket Pavilion, as authorized at Annual Meeting, June 14, 1907	50.81

Framing pictures and lettering tablets for Cricket Pavilion	\$6.25
Balance	221.28
	<hr/>
	\$948.98
	<hr/> <hr/>

Midwinter Dinner Account.

RECEIPTS.

233 Subscriptions to Dinner on February 15, 1908, at \$3.50	\$815.50
Additional Subscriptions	3.00
From General Account to cover Deficit	11.33
	<hr/>
	\$829.83
	<hr/> <hr/>

PAYMENTS.

Bellevue-Stratford Hotel, cost of dinner	\$787.50
Printing, Stationery, Stamps and Incidental Expenses..	42.33
	<hr/>
	\$829.83
	<hr/> <hr/>

Respectfully submitted,

JONATHAN M. STEERE, *Treasurer.*

Examined and found correct.

OSCAR M. CHASE,

F. ALGERNON EVANS,

Auditors.

PHILADELPHIA, Pa., June 9, 1908.

The election of officers and an Executive Committee was next in order, and the Nominating Committee appointed for that purpose presented the following report:

To the Alumni Association of Haverford College:

Your Committee under appointment to nominate officers and an Executive Committee for the ensuing year,

has held two meetings within the last six weeks and is united in the following proposals:

President—James Wood, '57.

Vice-Presidents—James Tyson, '60.

Charles James Rhoads, '93.

J. Henry Scattergood, '96.

Secretary—Edward W. Evans, '02.

Treasurer—Jonathan M. Steere, '90.

Executive Committee—Joseph W. Sharp, Jr., '88.

Alfred Percival Smith, '84.

William Percy Simpson, '90.

William W. Comfort, '94.

Alfred M. Collins, '97.

Alexander C. Wood, Jr., '02.

John Browning Clement, '08.

Signed on behalf of Committee,

WILLIAM M. LONGSTRETH, *Chairman*.

STANLEY R. YARNALL, *Secretary*.

June 6, 1908.

On motion duly seconded and carried, the report was accepted and the gentlemen named therein were declared elected to the respective positions for the ensuing year.

The following letter from Mr. Lewis J. Levick was read and on motion referred to the incoming Executive Committee:

PHILADELPHIA, June 10, 1908.

F. H. STRAWBRIDGE, President,
Haverford Alumni Association,
Haverford, Pa.

Esteemed Friend:—It was my intention to attend this meeting, but unexpectedly I have been prevented.

I desire to call the attention of this Association to the propriety of assisting in the celebration of "Founders Week" next autumn. The granting of the Charter by William Penn to Philadelphia and Pennsylvania was, as Professor Sharpless says in his history of Quaker Government in Pennsylvania, a "Quaker Experiment in Government." It therefore seems eminently proper that Friends should take an active interest in celebrating the two hundred and twenty-fifth anniversary of this notable event. I can think of no better way to do this than for the Haverford Alumni Association to inaugurate the movement by inviting Professor Sharpless to make a public address before it some time during that week, and, if it is thought advisable, I would suggest that the Penn Charter School, Swarthmore College and the Friends' Central School be also invited to join us. If this meets with approval, I hope a committee will be appointed to take the subject under consideration with Professor Sharpless, and, if way opens, they be authorized to make all necessary arrangements for calling the meeting.

Yours very sincerely,

LEWIS J. LEVICK, '67.

Reports as follows from Committees were read:

REPORT OF COMMITTEE ON ALUMNI ORATORICAL PRIZE.

To the Alumni Association of Haverford College:

The Committee on the Alumni Oratorical Prize respectfully reports:

The Annual Contest in Oratory for the Alumni Prize took place in Roberts Hall on May 22, 1908, at eight o'clock p. m. Of your Committee there were present Messrs. Edward Y. Hartshorne, Jesse E. Philips, Jr., and the Chairman *pro tem.*, and the judges were Mr. Ellis Yarnall Brown, U. S. Koons, Esq., and Jonathan

M. Steere, '90. President Sharpless and Dr. Hancock entertained the judges and committee at dinner. President Sharpless presided at the contest. The third speaker on the printed program, James Carey Thomas, was prevented by work on the cricket team from being present, and his place was supplied by Cecil Kent Drinker, '08, with the subject "The Power of the Sea." The other contestants were, as on the printed program, as follows:

1. Joseph Passmore Elkinton...A Plea for Local Option
2. Clarence Creadick KillenA Leader of Men
4. Howard Milton Lutz..Hugo Grotius: Scholar of Peace
5. Jesse William Crites....The Feuds of the Cumberland
6. Paul Van Reed Miller.....Citizens and Residents

The Chairman *pro tem.* being advised of the sudden death of the father of the Chairman of the Committee, took up his work at the request of the Secretary of the Alumni Association, Mr. Rhoads, and at once communicated with the other members of the committee. He also wrote later to Professor Hancock announcing the names of the judges, one of which had to be changed at the last moment owing to an unforeseen engagement. Mr. Brown announced the decision of the judges, who unanimously awarded the prize to J. P. Elkinton, '08; they also seemed much pleased with the other orations, but there was no honorable mention made of any particular one.

In looking over the report of last year we note that the committee then mentioned being somewhat depressed by the small number of the audience, yet, on this present occasion, the number was still less—last year between

ninety and a hundred being present, and this year's audience numbering about seventy. Your Committee are well aware that conditions in the neighborhood seem to make it very difficult to largely increase our audiences (the neighbors evidently preferring other forms of entertainment, and the college students not being required to help make up the audience).

President Sharpless made the suggestion that this year's Committee might recommend that the Alumni and Everett contests be held on the same evening, with two Boards of Judges, and numbering not over six speakers at each contest.

The Committee would like to suggest further that it might be made a regular college event and come on a Friday evening, with no recitations the next day, and that attendance on the part of the students be prescribed, as at certain lectures. They would also suggest a considerably earlier date in the year, when other interests are not quite so prominent, and if any other features could be added to make the occasion still more attractive, this would be desirable.

Your Committee consider the high character of the performance of the contestants most praiseworthy, when it is remembered that much, or all, of the stimulus from a well-filled hall was lacking, and they desire to express commendation of the character of the orations and of the direct and argumentative presentation in preference to the old style declamation. The Committee would commend Professor Hancock for the good results shown in these contests; still they are of the opinion that a strong effort should be made next year, and succeeding years,

towards supplying a larger audience and in general making the occasion much more interesting.

On behalf of the Committee,

ALFRED PERCIVAL SMITH, *Chairman pro tem.*

PHILADELPHIA, Pa., June 10, 1908.

At the conclusion of the reading of this report the Alumni Oratorical Prize Medal was formally presented to J. Passmore Elkinton, '08, the winner of this year's contest.

The report was accepted and the Committee discharged with the thanks of the Association for its services.

REPORT OF COMMITTEE ON ATHLETICS.

To the Alumni Association of Haverford College:

Football, Soccer Football, Gymnasium Work, Track Sports and Cricket have held the attention of our students during the past year in the order named, beginning with Football in October.

In all of these sports there have been interesting contests with outside teams. We have not always been victorious, but we have played with commendable spirit and a true appreciation of the sport.

In addition to the above-named sports, in each of which nearly one-half of the student body take an active part for at least a short season, Tennis and Golf and "French Cricket" must be recognized as forms of exercise claiming quite a following.

It will thus be seen that at Haverford we go into a very commendable variety of sports; commendable in that it

gives a man the opportunity to represent his college in the game best suited to him; also in that the rotation through the year is so well distributed that there is always the chance to indulge in some one form of exercise. But, on the other hand, unfortunately, it has seemed to your Committee, looked at from the viewpoint of considering the welfare of the collegiate contests in these sports, the season for one crowds into the season for the next, each claiming some strong men, and so dividing our strength.

Your Committee does not wish to step beyond their own confines, but some of us believe that it would be better for the students, and better for the sports of the students, if the college year began at least one week earlier and closed at least one week later than is the present custom.

Cricket could then be played for three or four weeks in the fall. Three "match" games could easily be arranged, and a later and better schedule in the spring. Football practice should not begin before October 15th, as the season is now too long for such a strenuous game. A period of six weeks for the sport, with four or five well-selected games with other colleges, would amply suffice. The Soccer season to follow and the winter work in the Gymnasium and in the Cricket Shed to lead up to the Track and Field sports in April and early May. Then Cricket for May and June.

We believe this plan would be beneficial and hope the College will give it consideration.

In Football, eight (8) games were played.

Games won, six (6), with Medico-Chirurgical, Dela-

ware, New York University, Ursinus, Lehigh and Rutgers.

Games lost, two (2), with Franklin and Marshall and Trinity.

Haines, 1907, will act as head coach next season, while Thorn, 1904, will be Chairman of the Football Committee.

In Soccer Football, thirteen (13) games were played in all. Three teams played during the season, all with reasonable success.

Pennsylvania, Cornell and Harvard were defeated, but we lost to Yale by a score of one goal to two.

In Track and Field Sports, besides the Twentieth Annual Interclass Meet, Haverford met and defeated New York University 61 points to 43, and tied with Lehigh.

The Gymnasium Team entered the Annual Quadrangular Gymnastic exhibition with New York University, University of Pennsylvania and Princeton. They also won contests with Lehigh and with the University of Pennsylvania. The Fifth Annual Interscholastic Meet was held at the College, February 14th, and seventeen schools sent entries.

In Cricket we were defeated this year by the University of Pennsylvania; score, 133-64. The fielding of the Haverford team was strictly first class. We won easily from Cornell; score, 238 to 25.

Harvard was unable to put an eleven in the field. Only three games were played with local clubs, two of which, Merion and Germantown, were won.

The Second and Third Eleven won most of their games.

Cricket is not being supported by the Alumni as it should be, and your Committee would earnestly urge all cricketers and others of the Alumni to lend encouragement by their presence at the matches.

Dr. Babbitt's introduction in this year's "Haverford College Athletics" opens as follows:

"This published record for 1907-1908 reveals a year successful in nearly every branch of athletics, and we are again proud of the standing of Haverford College."

On behalf of the Committee on Athletics,

JOSEPH W. SHARP, JR., *Chairman.*

After presenting the above report Mr. Sharp added that, in accordance with a resolution adopted a year ago, he had communicated with the athletic authorities at Harvard University asking that the one-year eligibility rule be abrogated at Harvard so far as it applies to the cricket elevens. A reply was received stating that at present there was no cricket eleven at Harvard and that the request would be duly considered should a team be organized.

Mr. A. G. Scattergood, '98, suggested that arrangements be made to have the cricket coach give his whole time to the College team until the conclusion of the College year instead of dividing his time with the Merion Cricket Club after the 1st of May, as at present.

Mr. J. W. Sharp, Jr., '88, expressed the hope that we might form a board of Alumni Cricket Coaches, who would regularly come to the College and stimulate interest in the game by precept and example.

The report was accepted and the Committee discharged with the thanks of the Association for its services.

**REPORT OF COMMITTEE ON CELEBRATION OF
SEVENTY-FIFTH ANNIVERSARY.**

To the Alumni Association of Haverford College:

The Committee of the Alumni, appointed to make arrangements for the Seventy-fifth Anniversary of the College, report that they have held several meetings and appointed sub-committees on, Securing Contributions; Literary Exercises and Speakers; Invitations and Class Enthusiasm; Food and Entertainment; Decorations and Publicity; Sports; Singing and Undergraduates.

The Chairmen of these sub-committees constitute the Executive Committee of the celebration. They sent in January a preliminary circular to all old Haverfordians and have followed it in June with another circular giving more detailed information of the programme. Copies of these circulars are appended. Classes have been organized and solicitors appointed to secure contributions to funds for College uses.

It was decided to attempt to secure \$50,000 for the chemical section of the science hall, and \$50,000, the income from which to be used in aiding professors, principally by way of pensions. These funds have not yet been completed, but encouraging progress has been made. The Committee is working in various directions and has received much encouragement.

Representatives of many other colleges will be present at the celebration, and Haverfordians, some from a great

distance, have accepted invitations. It is expected to make it the greatest meeting of the kind ever held at Haverford.

On behalf of the Committee,

C. J. RHOADS, *Secretary*.

PHILADELPHIA, June 9, 1908.

[Copies of circulars appended to above report.]

PHILADELPHIA, January 10, 1908.

To all Haverfordians:

The coming autumn marks the Seventy-fifth Anniversary of the opening of Haverford.

At the last annual Alumni meeting a large committee was appointed to co-operate with the Managers and Faculty in arranging for a fitting celebration of the event.

October 16th and 17th have been selected as the time for gathering at the College; and this preliminary notice is now issued by the Executive Committee in order that every Haverfordian may have ample time for arranging to be present.

Each one is urged to do all in his power to facilitate and insure the attendance of his classmates and contemporaries and their families.

Committees have been appointed to arrange all details, and to secure the attendance of several distinguished guests. A full detailed programme of the proposed exercises and arrangements will be issued in due course.

Yours fraternally,

HENRY COPE, '69;

WILLIAM L. BAILY, '83;

JOSEPH W. SHARP, JR., '88;

WILLIAM WISTAR COMFORT, '94;

WALTER C. JANNEY, '98;

ALFRED C. MAULE, '99.

FREDERIC H. STRAWBRIDGE, '87,

Chairman.

CHARLES J. RHOADS, '93, *Secretary*.

HAVERFORD COLLEGE.

PROGRAM OF THE SEVENTY-FIFTH ANNIVERSARY, 1833-1908.

October 16, 1908.

3.30 P. M.—EDUCATIONAL MEETING in Roberts Hall.

(1) Announcement of Universities and Colleges represented.

(2) Addresses by Woodrow Wilson, President of Princeton University; Theodore William Richards, '85, Professor of Chemistry in Harvard University; and George Wharton Pepper, Algernon Sidney Biddle Professor of Law in the University of Pennsylvania.

(3) Conferring of Honorary Degrees.

7.00 P. M.—SUBSCRIPTION DINNER in the College Dining Hall, open to all Haverfordians. Representatives of other institutions will be present as guests.

*October 17, 1908.**Cricket and other Athletics in the forenoon. A Procession in the afternoon or evening.*

12.30 P. M.—LUNCHEON in the College Dining Hall.

2.00 P. M.—FOOTBALL GAME on Walton Field. Haverford *vs.* Franklin and Marshall.

4.00 P. M.—TEA on the lawn or in the Gymnasium.

4.30 P. M.—HISTORICAL MEETING in Roberts Hall. Addresses by President Sharpless and Professors Francis B. Gummere and Rufus M. Jones.

6.00 P. M.—COLLATION in the College Dining Hall. Free to all Haverfordians and members of their families.

7.30 P. M.—INFORMAL MEETING in Roberts Hall, with short addresses by old Haverfordians; college songs, etc.

A large number of Haverfordians have already signified their intention to be present, and we believe it will be the greatest

gathering ever held at Haverford. Classes desiring to have dinners, should arrange to hold them in Philadelphia or elsewhere, on October 15th. On the forenoons of the 16th or 17th of October, rooms will be provided for class meetings at the College. To secure rooms, word must be sent in advance to Secretary of Haverford College, Haverford, Pa.

A detailed programme will be issued a short time before the celebration.

On behalf of the Alumni Committee,

FREDERIC H. STRAWBRIDGE, '87, *Chairman*.

CHARLES J. RHOADS, '93, *Secretary*.

JUNE 1, 1908.

The report was accepted and the Committee continued for another year to complete the work as outlined. The Committee is as follows:

Edward Bettle, Jr., '61	Joseph W. Sharp, Jr., '88
Henry Cope, '69	J. Stoddell Stokes, '89
John M. Whittall, '80	Charles J. Rhoads, '93
John C. Winston, '81	William W. Comfort, '94
William L. Baily, '83	J. Henry Scattergood, '96
Alfred Percival Smith, '84	Alfred M. Collins, '97
Frederic H. Strawbridge, '87	Walter C. Janney, '98
	Alfred C. Maule, '99

REPORT OF COMMITTEE ON HALL OF FAME IN CRICKET PAVILION.

To the Alumni Association of Haverford College:

The Committee on Hall of Fame in Cricket Pavilion, appointed at your last annual meeting, reports that it has had prepared and placed in the Pavilion during the past year:

Tablet for the XI of 1907.

Framed pictures of the Captains of the XIs of 1906 and 1907.

To do this required its full appropriation of \$5.00, which amount the Association is again requested to appropriate, if the Committee is continued for the ensuing year.

It having come to the attention of the Committee that an effort is being made to collect and place in the Pavilion pictures of all previous College Cricket XIs, they desire to say that even were there room in the Pavilion for these pictures, the Committee would, by the terms of the resolution under which they were appointed, be compelled to exclude them.

It may be of interest to record here that in return for the privilege of being allowed to hold their rehearsals in the Pavilion, the Musical Clubs have agreed to furnish it in an appropriate manner and to instal heating apparatus to be approved by the authorities. This should, in our opinion, greatly improve the building and further promote its usefulness to the student body.

On behalf of the Committee,

A. G. SCATTERGOOD, '98, *Chairman.*

PHILADELPHIA, June 2, 1908.

The report was accepted and the annual appropriation asked for is hereby authorized. The Committee was released with the thanks of the Association for its services.

Under new business, Mr. Alfred Percival Smith proposed the following resolution:

Having in view the fullest utilization of the new building proposed as the home of the social and religious activities of the

College, and the making it a common center for the Alumni, undergraduates, Faculty and friends of Haverford, it is proposed that, at his convenience, the President of the Alumni shall designate a committee of nine (with power to add to their number if desirable), who shall carefully formulate a plan or form of organization, which may be adopted, if acceptable and adequate.

The motion was seconded and carried unanimously.

Mr. J. Henry Scattergood moved the thanks of the Association be tendered Mr. Alfred Percival Smith for his gift of a hall for the use of students and alumni, which motion was carried with much enthusiasm.

Mr. W. G. Audenried, Jr., offered the following resolution, which was duly seconded:

WHEREAS, It is manifestly desirable that Commencement Day and Alumni Day be held upon the same day, and

WHEREAS, The presence of a large number of Alumni annually at Haverford must work for the good of the College, and

WHEREAS, It is probable that many of the Alumni living at a distance from Philadelphia will be deterred from attendance in the mid-week; therefore, be it

Resolved, That it is the sense of the Alumni here assembled that the change in the day for holding Commencement is likely to prove a detriment to the large attendance of Alumni at the College on that day, and that a return to the former day of the week is greatly desired, if practicable; and it is further

Resolved, That the Secretary be instructed to forward a copy of this resolution to the Board of Managers and to the Faculty, in the hope of securing their co-operation in carrying out this desire.

After some discussion and an expression of opinion from President Sharpless that the Faculty and Managers would be glad to consider the question, the resolution was adopted.

Mr. A. G. Scattergood stated that the general condition of the Gymnasium building, about which complaint was made last year, had been greatly improved.

Announcement was made that the incoming President would appoint the Standing Committees in due course. Subsequently the following appointments were accordingly made:

COMMITTEE TO NOMINATE MEMBERS TO THE ASSOCIATION.

Henry Cope, '69, <i>Chairman</i>	D. Shearman Taber, '94
Stuart Wood, '70	Paul D. I. Maier, '96
Samuel Mason, '80	Edgar Earl Trout, '02
Richard J. White, '87	Winthrop Sargent, Jr., '08

COMMITTEE TO NOMINATE OFFICERS AND AN EXECUTIVE COMMITTEE.

Arthur V. Morton, '93	Frederick P. Ristine, '94
<i>Chairman</i>	Francis N. Maxfield, '97
Elias H. White, '85	E. Marshall Scull, '01
Allen B. Clement, '87	E. Converse Peirce, '05

COMMITTEE ON ALUMNI ORATORICAL PRIZE.

Parker S. Williams, '94	Alfred Percival Smith, '84
<i>Chairman</i>	Jesse E. Philips, Jr., '87
Edward Y. Hartshorne, '81	William C. Longstreth, '02

COMMITTEE ON ATHLETICS.

Joseph W. Sharp, Jr., '88	Dr. Francis B. Jacobs, '97
<i>Chairman</i>	Alfred C. Maule, '99
Henry Cope, '69	Dr. Frederic C. Sharpless, '00
Dr. Thomas F. Branson, '89	Henry S. Drinker, '00
Charles J. Rhoads, '93	C. Christopher Morris, '04
J. Henry Scattergood, '96	H. Norman Thorn, '04
Alfred M. Collins, '97	Dr. James A. Babbitt

