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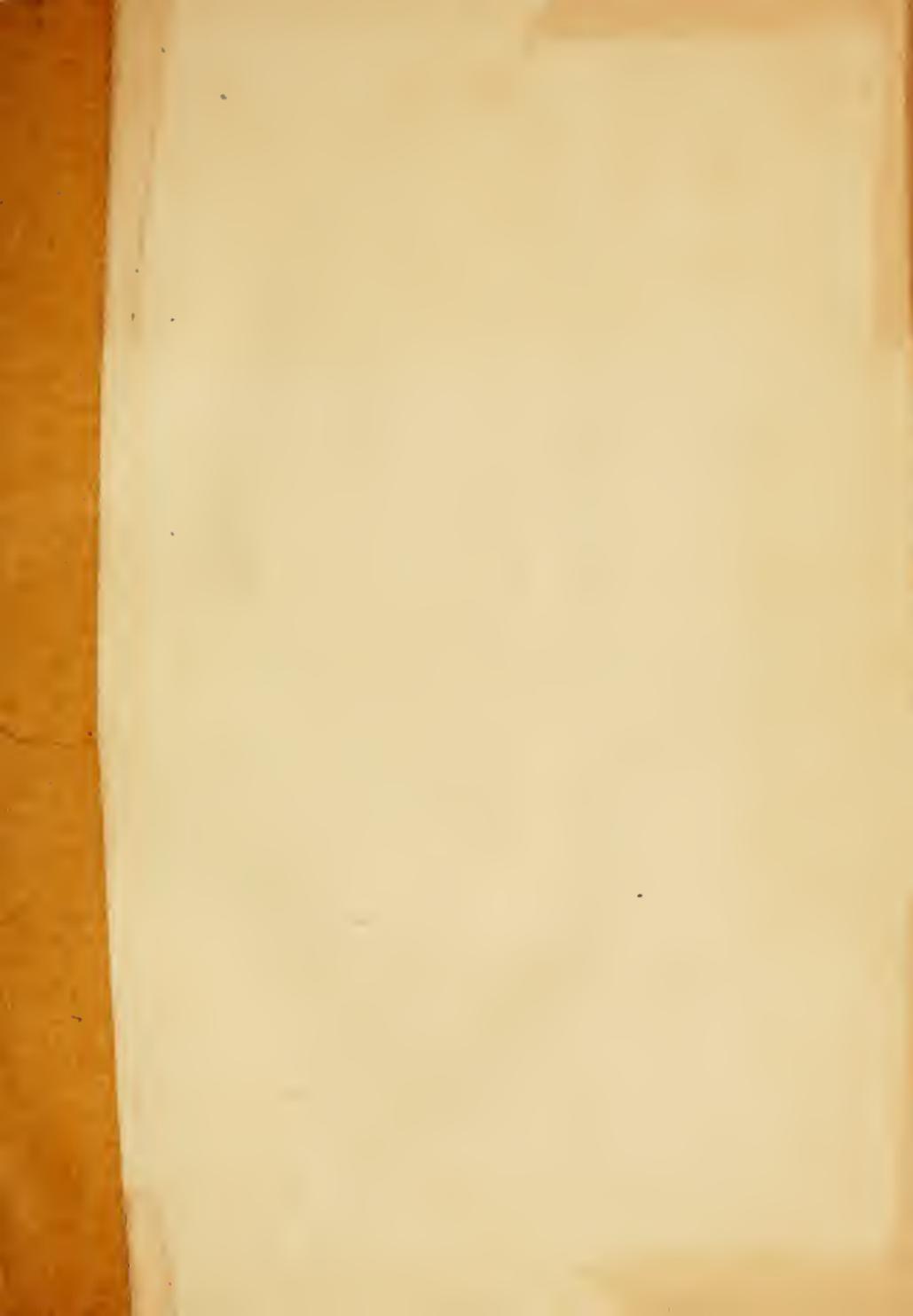
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# HVERFORD COLLEGE BULLETIN

VOL. V

TENTH MONTH, 1906

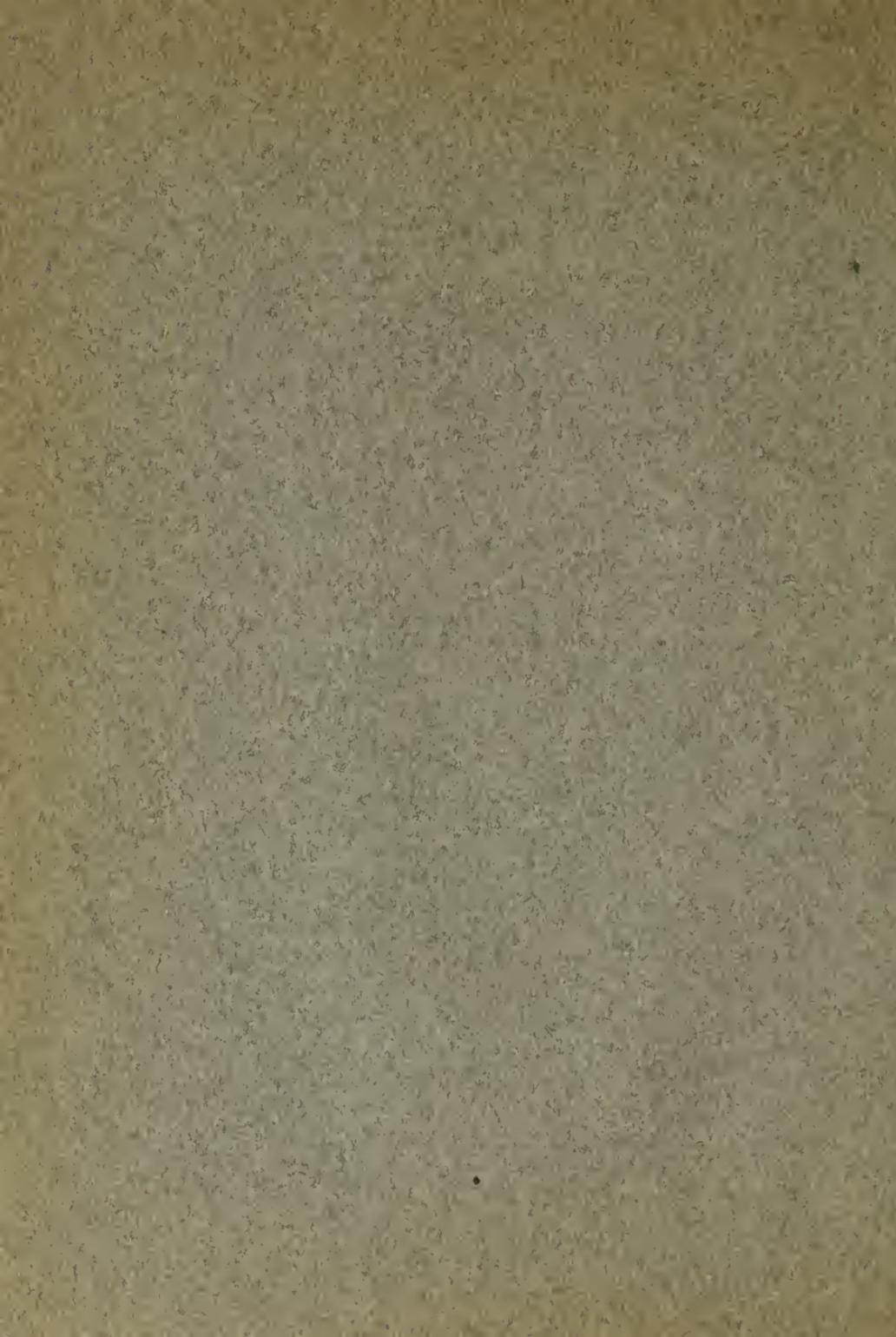
No. 1

Reports of the Board of Managers  
President of the College and  
Treasurer of the Corporation  
1905-1906



Published by Haverford College, Haverford, Pa.  
Issued Quarterly at One Dollar per Year

Entered December 10, 1902, at Haverford, Pa.,  
as Second Class Matter under the Act of Congress of July 16, 1904



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THE CORPORATION  
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HAVERFORD COLLEGE

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

*PRESENTED AT THE ANNUAL MEETING*  
TENTH MONTH 9th, 1906.

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*Secretary.*

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*Treasurer.*

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

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235 Chestnut St., Phila.                      529 Arch St., Phila.

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STANDING COMMITTEES OF THE  
BOARD OF MANAGERS

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JUSTUS C. STRAWBRIDGE	GEORGE VAUX, JR.
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*Committee on Accounts.*

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WALTER WOOD	SETH K. GIFFORD

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SAMUEL L. ALLEN	ABRAM F. HUSTON
DAVID SCULL	FREDERIC H. STRAWBRIDGE
FRANCIS STOKES	JOHN M. WHITALL

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

## FACULTY

---

ISAAC SHARPLESS, Sc.D., LL.D., L.H.D.

President and Professor of Ethics

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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

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

Professor of Mathematics

WILFRED PIRT MUSTARD, Ph. D.

Professor of Latin

HENRY SHERRING PRATT, Ph. D.

David Scull Professor of Biology

JAMES ADDISON BABBITT, A. M., M. D.

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RUFUS MATTHEW JONES, A. M., Litt. D.

Professor of Philosophy

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Secretary of the College and Instructor in Drawing

*Haverford College.*

ALBERT SIDNEY BOLLES, PH. D., LL. D.

Lecturer on Commercial Law and Banking

DON CARLOS BARRETT, PH. D.

Dean and Associate Professor of Economics

ALBERT ELMER HANCOCK, PH. D.

Associate Professor of English and German

LEGH WILBER REID, PH. D.

Associate 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 and Astronomy

ALFRED COPE GARRETT, PH. D.

Lecturer on Biblical Literature

LEON HAWLEY RITTENHOUSE, M. E.

Instructor in Mechanics and Electricity

ALPHEUS WILSON SMITH, PH. D.

Instructor in Physics

---

WILLIAM HENRY COLLINS, A. M.

Superintendent of Buildings and Grounds.

RICHARD LUCIUS CARY, A. B.

Assistant in the Chemical Laboratory

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\*Absent 1906-7.

REPORT OF THE BOARD OF MANAGERS  
OF  
THE CORPORATION  
OF  
HAVERFORD COLLEGE  
1906

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Your Board of Managers respectfully reports that a year of satisfactory work was concluded on Commencement Day, Sixth Month 15th last, when the degree of Bachelor of Arts was conferred on twenty-nine students, the degree of Bachelor of Science on eight students, and seven others were created Masters of Arts for having conformed with our requirements for advanced study.

At the same time the honorary degree of Doctor of Laws was conferred upon Albert K. Smiley, of the Class of 1849, in recognition of his success as an educator and of his high character as a Christian citizen, manifested especially in the conferences he has conducted for many years for the elevation of the native races of our country, and also for the promotion of the cause of International Arbitration.

At the last annual meeting of the Corporation an amendment to our Charter was adopted, and the Board of Managers was instructed to ask the Court of Common Pleas of Delaware County to grant its approval. The Court having sanctioned the amendment, your Board directed the Nominating Committee of the Corporation to present its nominations for twenty-four Managers in

## HAVERFORD COLLEGE.

accordance with the provisions of the amendment, by dividing the number into three classes of eight to serve for one year, eight to serve for two years, and eight to serve for three years. Under this change, hereafter only eight Managers will be elected each year, the others holding over.

During the past year, our friend, Richard M. Jones, felt obliged to tender his resignation as a member of our Board, which was accepted with regret.

Since our last report two valued fellow Managers have been removed by death.

The following minutes were adopted at our meeting held First Month 19th last:

"This Board wishes to record its regret at the death of our associate, J. Preston Thomas, which occurred on the 20th day of Eleventh Month, 1905.

"J. Preston Thomas entered the College as a student in 1860 and left at the end of the Sophomore Year. In 1887 he was elected a Manager and served until his death. During recent years he acted as Chairman of the Committee on College Property and Farm, where his ripe judgment and practical knowledge rendered his services of great value to the College. His loss will be deeply felt, not only in this Board, but elsewhere, and especially in the community in which he lived, where he was active in the management of financial and charitable institutions, and met the duties of a good citizen with ability, fidelity, and unselfish interest."

"In the death of Philip C. Garrett on the 9th of Twelfth Month, 1905, after a lingering illness, Haverford has lost one who has been actively identified with its progress for over forty years. Graduated from the College in

*Haverford College.*

1851, he was elected a Manager in 1862 and served as Secretary of the Corporation from 1864 to 1875. He was one of the few who established the Alumni Association in 1856, was chief editor of the College History, and so long as health permitted served on various committees of this Board, with earnest devotion to the interests of the College. His fellow Managers will greatly miss the benefit of his sound judgment, the influence of his genial spirit, and the example of his Christian faith in the value of all movements for the betterment of mankind.

"In financial, educational and philanthropic circles, Philip C. Garrett's services were varied and conspicuous. He was one of the Trustees of Bryn Mawr College appointed by its founder, and for the last eleven years was President of its Board. He was appointed by President Harrison on the Board of U. S. Indian Commissioners, and continued a member until his death; was President of the State Board of Public Charities and of the Lunacy Commission; was active in the National Conference of Charities and Correction and was constant in promoting the cause of International Peace.

"His career as a civic reformer is part of the history of Philadelphia. These varied activities were marked by no desire for the honors or emoluments of office, but resulted from a sincere desire to promote the welfare of humanity. Philip C. Garrett's associates in many fields of usefulness have borne testimony to the devoted zeal, the untiring energy, the hopeful patience and the strength of character which qualified him for the various places he filled with dignity and success."

To fill the vacancies created by the above losses the

*Haverford College.*

Board elected Seth K. Gifford, John M. Whittall and Charles J. Rhoads.

We are indebted to our friend, Elliston P. Morris, who has given \$1,000 to establish a fund, the income therefrom to be used as a prize for essays to be written by students on the subject of Arbitration and Peace. Conditions have been adopted to govern the award of the prize, which is to be of the value of \$80.00, given in alternate years under the direction of our Faculty.

The Treasurer's account presented herewith shows the financial transactions for the past year. The payments for current expenses have exceeded the current receipts by \$7,360.45. Of this amount, however, \$6,245.45 was applied toward the cost of the new dining hall for the excess over and above the actual subscriptions received for this purpose. The greater part, if not all of this amount, will be paid back to the College in the near future from subscriptions still outstanding. The total cost of the Dining Hall with the improvements to Founders' Hall was \$54,609.04.

The debt of the Corporation at the close of the fiscal year was \$115,374.99, being \$5,960.76 more than reported a year ago.

Two important sales of land for account of the Jacob P. Jones Endowment Fund have been made during the year, on account of which the sum of \$29,685.60 was paid, as shown in the financial statement. The balance of \$112,000 has been settled for since the closing of the Treasurer's account, and will appear in his next statement.

Gifts during the year amounting to \$36,763.53 from 163 donors in amounts ranging from \$5.00 to \$9,000

Haverford College.

from a single person, testify to the continued loyal support given to the College by its friends. Details of our financial condition will be found in the Treasurer's statements submitted herewith.

We refer to the report of President Sharpless for fuller particulars regarding the operations of the past year.

Grateful for the favors received in the past, and realizing the need of constant effort to maintain our standards in scholarship and material equipment, your Board solicits the continued confidence and support of the many friends who have contributed in various ways to establish our College upon its present honorable foundation.

On behalf of the Board,

T. WISTAR BROWN, *President.*

HOWARD COMFORT, *Secretary*

Philadelphia,

Tenth Month 9th, 1906.

## PRESIDENT'S REPORT

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*To the Board of Managers:*

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

Attendance

1905-6						
Fac- ulty	Gradu- ates	Seniors	Juniors	Sophom.	Freshmen	Total
20	4	37	27	31	43	162

1906-7						
Fac- ulty	Gradu- ates	Seniors	Juniors	Sophom.	Freshmen	Total
20	5	32	27	38	45	167

Of these 10 are day students, leaving 137 in the College rooms. This fills all our available space.

One year ago attention was called to the special students and to the fact that under certain circumstances they might be a disadvantage to our standards. Of the 15 in last year's catalogue, 6 will not return another year; 5 have worked themselves into regular standing and the remaining 4 are good students, who for special reasons prefer a partial course. From this it will be seen that the class of special students is not a permanent one and if carefully managed need not affect the regular conditions.

The only change in the Faculty for the present year has been brought about by leave of absence granted Frederic Palmer, Jr., for

Faculty  
Changes

*Haverford College.*

one year, for purposes of study. His place has been filled by the appointment of Alpheus W. Smith. Dr. Smith is a Bachelor of Arts of the University of West Virginia, and a Doctor of Philosophy of Harvard University. During the past year he has been Instructor in Physics in Bowdoin College.

Lectures and  
Public Events

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

Haverford Library Lectures:

"The Laws of Friendship—Human and Divine," three lectures by Dr. Henry Churchill King, President of Oberlin College.

2nd mo. 16th, 17th and 19th, 1906.

The Thomas Shipley Lecture on English Literature:

"John Dryden," by Professor LeBaron Russell Briggs, of Harvard University.

4th mo. 25th, 1906.

By courtesy the following lectures before the "Cercle Français de Haverford" were delivered in Roberts Hall:

"Le Voyage de Monsieur Perrichon" (Comédie par Labiche et Martin), by M. Édouard Lance de Parenty, of New York.

11th mo. 1st, 1905.

"La Poésie au Dix-Neuvième Siècle: Musset, Lamartine, Hugo," by M. Florian Vurpillot, of the University of Pennsylvania.

12th mo. 7th, 1905.

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“La Chanson Populaire en France” (avec chant), by M. Julien Tiersot, Bibliothécaire du Conservatoire, Paris. 1st mo. 9th, 1906.

“Interprétation et explication de morceaux choisis de poésie française: Villon, Ronsard, Malherbe, Béranger, Musset, Banville, Hugo, Richepin, etc.” by M. A. Schinz, Associate Professor of French Literature in Bryn Mawr College. 2nd mo. 13th, 1906.

“Le Luthier de Crémone,” by François Coppée), read by M. P. E. Giroud, licencié-ès lettres, officier d’académie, Professor in Girard College. 3rd mo. 8th, 1906.

“Le Vieux Paris: Souvenirs Historiques et Littéraires” (Illustrated), by Professor L. A. Loiseaux, of Columbia University. 4th mo. 11th, 1906.

Other Lectures:

“Some Phases of the Negro Problem,” by Dr. Booker T. Washington, of Tuskegee Institute. Lecture delivered under the auspices of the Civics Department of the Loganian Society. 12th mo. 6th, 1905.

“Jujutsu: Its Historical and Educational Value” (Demonstrated) by Professor M. Honda, of Tokio, Japan. 12th mo. 7th, 1905.

“South Africa: Land and People,” by Ernest William Brown, Sc. D., F.R.S., Pro-

*HAVERFORD COLLEGE.*

fessor of Mathematics in Haverford College. Lecture delivered under the auspices of the Phi Beta Kappa Society, Zeta Chapter of Pennsylvania. 1st mo. 11th, 1906.

"The Progress of the Colored Race" (Illustrated), by G. F. Richings. Lecture delivered under the auspices of the Civics Department of the Loganian Society.

3rd mo. 19th, 1906.

Other Public Events:

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

5th mo. 1st, 1906.

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

5th mo. 22nd, 1906.

Commencement Day. Commencement exercises, with address to the graduates by James Tyson, M. D. (Haverford College, Class of 1880), Professor of Medicine in the University of Pennsylvania. Exhibition of the autograph collection made by the late Charles Roberts and presented to Haverford College by Lucy B. Roberts. Informal Alumni program. Alumni business meeting. Alumni Oration by Francis Reeve Cope, Jr., (Haverford College, Class of 1900).

6th mo. 15th, 1906.

## HAVERFORD COLLEGE.

When the report of a year ago was written, we were in the difficult situation of having to care for the students in an incomplete state of the dining-room and kitchen. This condition lasted until about New Year, but was borne by the students with commendable patience. No one who sees the new dining-hall or experiences the conveniences of the kitchen will think that the money and effort were wasted. The whole cost, including certain repairs to Founders' Hall with which it is connected, was about \$54,500.

The New  
Dining-Hall  
and Kitchen

The plant for heating and lighting the College has been under construction for a number of years. Underground ducts have been laid, and boilers, engines and dynamos procured. The buildings have been wired for electricity and piped for steam heat. The structure in which the boilers and engines were housed was, however, a temporary one of corrugated iron and wood, which was thoroughly inadequate and uncomfortable. The necessities of the case forced us to undertake the erection of a new building for the purpose, and an addition to our machinery so as to possess an alternate plant in case of a break-down. The estimated expense for this was about \$25,000, and in the spring your Board authorized the expenditure of this amount, provided it could be raised by private subscription. Coming immediately upon the dining-hall subscription, there seemed to be some doubt of success;

The New  
Power House

*Haverford College.*

but the friends of the College supplied the money, and at the time of writing the machinery is purchased and a fire-proof house is nearly complete. Some inconvenience has, however, resulted in the early days of opening the College, and it will be a month or more before everything is in perfect condition. As with the other recent improvements, it will satisfy the wants of a larger college for many years to come.

**Dormitory  
Accommoda-  
tions**

The necessary arrangements for boarding the present number of students are now practically supplied. If the College is to increase, the number of dormitory accommodations must be increased. This can be done by additional sections to Lloyd Hall and by remodeling the old Grammar School Gymnasium so as to accommodate a few students. One or both of these should be considered at an early date. The alternative would be to limit the number. There also remain certain minor improvements to the buildings mentioned in the report of a year ago which should not be longer delayed.

**The College  
Grounds**

About three hundred trees and shrubbery have been planted on the lawn during the year under the care of the Committee on College Property, and a number of concrete walks have been laid.

**The Need of a  
Science Hall**

Besides the dormitory accommodations, which may be increased indefinitely, the great need of the College is now a large building for laboratories and lecture-rooms. The three

## HAVERFORD COLLEGE.

main branches of science (Biology, Chemistry and Physics) should each have its separate quarters. The buildings should also contain some large lecture or recitation rooms for classes in other subjects. To build and properly equip such a hall would probably cost \$150,000. As the three main subjects could be separated from each other by vertical partitions, each part could, if necessary, be erected at a separate time from the others. When the new dining-hall was built it was assumed that the old Gymnasium building, now used for chemical and physical laboratories, would be torn away, and the appearance of the grounds would certainly demand this. If any friend of the College would feel like giving us one of these laboratory buildings, he would satisfy an urgent need and probably enable the other parts to be procured more readily.

The Class of 1906 announced at Commencement that they wished to present to the College the sum of \$750 for a stone gateway at the main entrance on the north side of the grounds. The plans for this work are now being completed. We are also the recipients of a donation from Elliston P. Morris of \$1,000 to constitute a fund the income of which is to be used as prizes for papers by undergraduates and recent graduates on international arbitration and peace. The first award of \$80 will be made in 1908.

The Library continues its useful work.

Other Gifts to  
the College

Library

*HAVERFORD COLLEGE.*

During the year ending Ninth month 30th, 1906, there were added to it 1,639 volumes, of which 899 were bought, 340 were gifts, 10 were exchanged for duplicates, 194 came from the Government as a United States Depository, and 196 were periodicals and pamphlets bound. The total number of bound volumes in the Library at the above date was 47,091.

During the year 7,578 volumes were withdrawn for use outside the building. Of this number 3,614 were withdrawn by students, 2,184 by members of the Faculty, 550 by residents on the College grounds and in the neighborhood, and 1,230 volumes were withdrawn for use over night.

The Library is under obligations for valuable contributions. Among the gifts are a set of the elephant folio edition of Audubon and Bachman's *Quadrupeds of North America*, and Nuttall's *North American Sylva* from Anna Morris; 48 volumes of State railroad and statistical reports from Stuart Wood; 40 volumes of *Friends' Books* from Devonshire House Library, London; 11 volumes from Lucy B. Roberts, and 68 volumes from the Class of 1900 in continuation of the collection of standard English fiction. Besides these special gifts others as stated in the Appendix have been presented.

The steady growth of the Library is rapidly filling the shelves, and the question of additional space must soon be considered.

## HAVERFORD COLLEGE.

The cataloguing and arrangement of the Charles Roberts Collection of Autographs has been continued, and the most interesting and valuable ones are ready for view and consulting. Applications to see the autographs, or to consult them, should be made to Allen C. Thomas, Librarian.

During the Christmas vacation the Modern Language Association of America, of which Dr. Gummere was President and several members of our Faculty are active members, held its annual meeting at the College.

Modern Language Association

During the year the Carnegie Foundation for the Advancement of Teaching has issued its plan for pensioning professors in colleges. From the benefits of this plan denominational and state institutions are at present excluded. The results of this effort will be far-reaching. It has been one of the serious drawbacks to the profession of teaching that it was frequently impossible to make any provision for old age or for the family after death. The result has been that many a man whose real service to the Institution was at an end has been, through the kindly action of the Trustees, continued in his place to the disadvantage of the College, or dismissed to a cheerless and ignominious old age of poverty. The Carnegie Foundation will therefore constitute a strong inducement for professors to connect themselves with the Colleges which can avail themselves of the fund, and will make

The Carnegie Foundation

## HAVERFORD COLLEGE.

it necessary for those institutions which do not come under its provisions to provide their own pension scheme of equivalent value, or stand the chance of losing their best professors.

The Carnegie Foundation will do more than this. It will not grant its aid to an institution which does not stand in a certain rank in scholarship and equipment. It will therefore create, under its present efficient management, what we have for a long time needed in America, a standard by which colleges may be judged. A place on its list will be evidence of collegiate standing supplied from no other source. To those who are not familiar with its exclusions, the fact that a certain name does not appear on its list would be evidence of inferiority. Hence the Institution places upon Haverford College the duty to consider whether we are willing to make such changes as will enable us to avail ourselves of the advantages of the fund, and if not, to provide a substitute in money and advertising value which will practically bring us into the same class with the recipients. As we have no one in the Faculty of sufficient age to be benefited by a pension fund, and shall not have for several years to come, it is probable that the accruing interest of a fund of \$50,000 now created by the College would satisfy its needs for a long time. An application to the Institution for an examination of the College and its classification with such

## HAVERFORD COLLEGE.

colleges as were eligible apart from their denominational character, would give us the benefit of the standing for efficiency to which we are undoubtedly entitled.

At Haverford, as at many other colleges whose courses have hitherto been mainly devoted to general studies in letters and science, but to which modern requirements in technical science have been added, we find a continual tendency to desert the old courses for the new. This is strikingly true in the endowed universities of the East, where the scientific schools are in numbers rapidly pushing ahead of the academic. Several phases of this tendency are manifest at Haverford. The number of Greek students is diminishing steadily and the same is true to a less extent of the Latin students. We have always had a large majority of our students take the course in Arts, and have exceptional facilities in the way of books and teachers for this course. Notwithstanding this, the modern courses fill up more rapidly than the ancient. The matter is largely out of our hands for the decision is made by the boys themselves in the preparatory schools. The only way to prevent it is to abandon or limit the technical courses, and this would result in such a depletion of our numbers that it would not be advisable.

One minor cause for the present conditions at Haverford has been the greater ease of

Prominence of  
Technical  
Study

## Haverford College.

entrance to the Scientific courses. This will be remedied next year by increased requirements. Probably the great majority of the friends of Haverford have a traditional preference for courses which point towards general culture, and our preparations and history are all along this line. It is also evident that many students choose technical courses at an early age unwisely, without a full appreciation of the conditions which are likely to prevail in future life. They deem it to be a play with tools and instruments, rather than an unusually heavy mathematical demand upon their time and energy. Perhaps the abolition of these courses would result in a few of the students who care more about Haverford College than any course in particular transferring their allegiance to the Arts Course; in many other cases it would result in the loss of desirable students whose family associations point towards our College. How to meet the problem of the maintenance of Haverford's reputation for a broad and generous culture is one of the serious questions which confront us to-day.

### Athletics

The moral revival which has swept over the political and business interests during the past year has also touched collegiate athletics. The old conditions, especially in the game of football, became unbearable, and a general revolt of the best friends of education was the consequence. In this movement Haverford has had

## Haverford College.

an honorable part to perform. Our Physical Director has been Chairman of the General Board of Officials of the United States, and Secretary of the Middle Atlantic Sectional Committee. In one or the other of these capacities, the whole legislation has passed through his hands, and his influence has had much to do in shaping it. This has been partly due to his own personality, but partly also I think it may be fairly claimed, to the fact that the athletic conditions at Haverford have been for many years above suspicion, and that a confidence in anything which is sanctioned by the College in this way has been begotten. So far as the rules for playing football are concerned, we will hope they are an improvement; but as regards the ethical points involved, no change is necessary at Haverford, and we have no fair criticisms to meet.

In matters of discipline the students seem to require each year less government—vastly less than a score of years ago. One by one, as conditions have ripened for them, systems of self-government have been adopted. In 1897 the Freshman Class proposed that the matter of cheating in their examinations should be in their own hands. This was permitted as an experiment. Gradually the other classes fell into line until it now seems to be the recognized policy of the College. No proctor has been in examination rooms for several years, and though I have inquired

Self-Govern-  
ment

Haverford College.

of many students, I have never heard of a case of cheating. Upon completion of the new dining-room, an organization was effected for securing better conditions than had previously prevailed. So far it has been entirely successful. The attendance at places of worship on First Day morning is now a matter of individual honor. This year, while there are two officers resident in Barclay Hall, neither of them has anything to do with the discipline, which is to be left to the care of the students unless the experiment fails. In general, the absence of restrictions on student conduct, outside the class-rooms has led to a development of a feeling of responsibility for the morals and discipline of the College and has resulted in the lessening of friction, the increase of Faculty influence, and more efficient government.

ISAAC SHARPLESS, *President.*

PUBLICATIONS OF THE FACULTY  
1905-1906

---

- BABBITT, JAMES A.—*Athletic Number*, Haverford College Bulletin, Vol. IV, No. 4, Sixth month, 1906.
- BARRETT, DON C.—*Government Regulation of Railway Rates*. Publications of the American Economic Association, Third Series, Vol. VII, No. 1.
- BOLLES, ALBERT S.—*Difficulties and Dangers of Governmental Rate-Making*. North American Review, December, 1905.
- BROWN, ERNEST W.—*With the British Association in South Africa*. Popular Science Monthly, January, February, 1906.  
Notices of *Annuaire du Bureau des Longitudes pour l'An 1906*, and of Jordan's *Astronomical and Historical Chronology*. Bulletin of the American Mathematical Society, March, 1906.
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SUMMARY  
OF THE ACCOUNT OF THE  
TREASURER OF THE CORPORATION OF  
HAVERFORD COLLEGE

From Eighth mo. 31st, 1905, to Eighth mo. 31st, 1906.

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RECEIPTS.

Income from investments:

General Endowment Fund.....	\$ 4,593 26
Thomas P. Cope Fund.....	277 60
Edward Yarnall Fund.....	263 64
Alumni Library Fund.....	547 74
Isaiah V. Williamson Fund.....	746 58
John Farnum Memorial Fund.....	1,802 06
John M. Whitall Fund.....	464 40
Richard T. Jones Scholarship Fund.....	225 00
David Scull Fund.....	1,975 52
Edward L. Scull Fund.....	540 88
New Library Fund.....	265 60
Wistar Morris Memorial Fund.....	208 26
Mary Farnum Brown Library Fund....	1,551 63
Mary M. Johnson Scholarship Fund....	361 26
Sarah Marshall Scholarship Fund.....	327 31
Israel Franklin Whitall Fund.....	587 07
Jacob P. Jones Endowment Fund.....	24,978 80
Clementine Cope Fellowship Fund.....	1,137 78
John Farnum Brown Fund for Bible Study, &c.....	5,373 64
Ellen Waln Fund.....	450 80
Clementine Cope Endowment Fund....	1,072 55
Thomas Shipleigh Fund.....	229 50
Nathan Branson Hill Fund.....	9 20
Elliston P. Morris Fund.....	25 28

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\$ 48,015 36

*HAVERFORD COLLEGE.*

Amount brought forward.....	\$ 48,015 36
Board and Tuition, cash.....	\$ 44,001 70
“ “ “ scholarships.....	14,225 00
	\$ 58,226 70
Board of professors.....	865 89
Rents .....	3,068 50
Farm .....	1,297 96
Stationery .....	732 09
Income credited to Contingent Account.....	184 30
Receipts for Account of Previous Years.....	1,399 69
Donations:—For New Dining Hall.....	\$ 20,863 49
For Boiler Plant, etc.....	12,525 00
For Salaries.....	1,250 00
For foundation of Elliston P. Morris Prize Fund for Essays on Arbitration and Peace .....	1,000 00
For Prizes, &c.....	725 04
For Scholarship.....	400 00
	\$ 36,763 53
Money borrowed temporarily.....	82,550 00
Proceeds of land sold.....	29,685 60
Investments—General Endowment Fund..	\$ 1,600 00
“ —Thomas Cope Fund.....	2,300 00
“ —David Scull Fund.....	1,200 00
“ —Mary Farnum Brown Fund.....	4,000 00
“ —Jacob P. Jones Endowment Fund .....	18,937 63
“ —Clementine Cope Fellowship Fund .....	1,000 00
	\$ 29,037 63
Balance on hand Eighth Month 31st, 1905.—	
In the hands of the President.....	\$ 771 28
In the hands of the Treasurer.....	141 85
	\$ 913 13
	\$292,740 38

*HAVERFORD COLLEGE.*

PAYMENTS.

Salaries .....	\$ 43,200 00	
Provisions .....	16,843 55	
Wages .....	10,565 50	
Repairs and improvements.....	7,782 80	
Fuel and lights.....	4,734 99	
Interest .....	4,918 35	
Family expenses and furniture.....	2,612 87	
Lawn and garden.....	3,297 36	
Taxes .....	1,163 13	
Incidentals .....	1,894 19	
Scientific equipment.....	343 53	
Gymnasium and athletics.....	395 97	
Printing and advertising.....	670 13	
Insurance .....	206 57	
Books, etc., from income Alumni Library Fund .....	482 85	
Books, etc., from income New Library Fund .....	265 60	
Books, etc., from income Mary Farnum Brown Library Fund.....	971 44	
Lectures from income Mary Farnum Brown Library Fund.....	400 00	
Lectures from income Thomas Shipley Fund .....	120 00	
Cost of New Dining Hall over and above subscriptions actually received there- for .....	\$ 6,245 45	
	\$107,024 28	
Scholarships and Fellowships:		
Income General Endowment Fund.....	\$ 1,200 00	
“ Thomas P. Cope Fund.....	600 00	
“ Edward Yarnall Fund.....	500 00	
“ Isaiah V. Williamson Fund....	900 00	
“ Richard T. Jones Scholarship Fund .....	225 00	
“ Jacob P. Jones Endowment Fund	9,200 00	
Amount carried forward.....	\$ 12,625 00	\$107,024 28

*Haverford College.*

Amount carried forward.....	\$ 12,625 00	\$107,024 28
"    Mary M. Johnson Scholarship Fund .....	400 00	
Scholarships and Fellowships—Income		
Sarah Marshall Scholarship Fund.....	300 00	
Income Clementine Cope Fellowship Fund.	1,465 00	
	—————	\$ 14,790 00
Paid out of special donations:		
For new Dining Hall.....	\$ 38,363 59	
For Boiler Plant, etc.....	200 00	
For Electrical Apparatus.....	62 25	
For Prizes, etc.....	452 88	
	—————	\$ 39,078 72
Paid temporarily on account of Loans using Funds awaiting reinvestment.....		\$ 73,750 00
Paid for Municipal Improvements on Lans- downe Avenue, etc.....		\$ 3,866 07
Investments:		
General Endowment Fund.....	\$ 1,940 00	
Thomas P. Cope Fund.....	1,820 00	
John Farnum Memorial Fund.....	970 00	
Mary Farnum Brown Fund.....	1,940 00	
Jacob P. Jones Endowment Fund.....	45,650 50	
Elliston P. Morris Fund.....	811 25	
	—————	\$ 53,131 75
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
		—————
		\$292,740 38

## FINANCIAL STATEMENT

For the Year Ending 8th Mo. 31st, 1906.

Expense of running the College, as per Treasurer's Statement .....	\$107,024 28
Receipts for Board and Tuition, Rents, Farm and from all other sources connected with the business of the College.....	49,966 14
	-----
Leaving a deficiency of.....	\$ 57,058 14
Income from Invested Funds applicable to Scholarships and running expenses.....	49,697 69
	-----
Leaving net deficiency for the current year.....	\$ 7,360 45

### THOMAS P. COPE FUND.

Founded 1842.

Par value of Invested Funds.....	\$ 4,950 00
Principal uninvested.....	1,021 61
	-----
Total Fund.....	\$ 5,971 61
Income on hand at beginning of year.....	\$ 323 27
Income received during the year.....	277 60
	-----
	\$ 600 87
Paid for the Thomas P. Cope Scholarships.....	600 00
	-----
Balance on hand at end of the year.....	87

### GENERAL ENDOWMENT FUND.

Established 1847 and Increased From Time to Time Since.

Par Value of Invested Funds.....	\$100,400 00
Principal uninvested.....	1,291 77
	-----
Total Fund.....	\$101,691 77
Income received during the year.....	4,593 26
Paid for Scholarships.....	\$ 1,200 00
Paid for General College Expenses.....	3,393 26
	-----
	\$ 4,593 26

Haverford College.

Edward Yarnall Fund.

Founded 1860.

Par value of Invested Funds.....	\$ 5,500 00
Principal uninvested.....	637 46
	<hr/>
Total Fund.....	\$ 6,137 46
Income on hand at beginning of year.....	\$ 275 35
Income received during year.....	263 64
	<hr/>
	538 99
Paid for the Edward Yarnall Scholarships.....	500 00
	<hr/>
Income on hand at end of year.....	\$ 38 99

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.....	\$ 40 30
Income received during the year.....	547 74
	<hr/>
	588 04
Paid for Books, etc .....	482 85
	<hr/>
Income on hand at end of year.....	\$ 105 19

Isaiah V. Williamson Fund.

Founded 1876 and Increased 1883.

Par value of invested Funds.....	\$ 20,266 66
Principal uninvested.....	424 04
	<hr/>
Total fund.....	\$ 20,690 70
Income received during the year.....	746 58
Less income overdrawn at beginning of year.....	19 61
	<hr/>
	\$ 726 97
Paid for I. V. Williamson Scholarships .....	900 00
	<hr/>
Income overdrawn at end of year.....	\$ 173 03

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.....	1,802 06
Paid toward support of Chair endowed by this Fund..	1,802 06

JOHN M. WHITALL FUND.

Founded in 1880.

Par value of invested Funds.....	\$ 10,000 00
Principal uninvested.....	33 89
	<hr/>
Total fund.....	\$ 10,033 89
Income received during the year.....	464 40
Appropriated for salaries.....	464 40

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.....	540 88
Appropriated for salaries.....	540 88

DAVID SCULL FUND.

Founded 1885.

Par value of Invested Funds.....	\$ 44,500 00
Principal uninvested.....	1,687 73
	<hr/>
Total fund.....	\$ 46,187 73
Income received during the year.....	1,975 52
Paid toward salaries, etc.....	1,975 52

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.....	\$ 6,500 00
Amount uninvested.....	25 18
<hr/>	
Total fund.....	\$ 6,525 18
Income received during the year.....	265 60
Paid for Books, etc.....	265 60

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.....	\$ 30,500 00
Amount uninvested.....	3,018 57
<hr/>	
Total fund.....	\$ 33,518 57
Overdraft \$103.77 at beginning of year cancelled by gift from founder of Fund.	
Income received during the year.....	\$ 1,551 63
Income appropriated for books, &c.....	\$ 971 44
Income appropriated for lectures.....	400 00
Income transferred to Principal.....	180 19
<hr/>	
	\$ 1,551 63

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.....	\$ 159 46
Income received during the year.....	361 26
	<hr/>
	\$ 520 72
Paid for Mary M. Johnson Scholarships.....	400 00
	<hr/>
Income on hand at end of year.....	\$ 120 72

SARAH MARSHALL SCHOLARSHIP FUND.

Founded 1897.

Par value Invested Funds.....	\$ 7,000 00
Amount uninvested.....	771 19
	<hr/>
Total Fund.....	\$ 7,771 19
Income on hand at beginning of the year..	\$ 87 56
Income received during the year.....	327 31
	<hr/>
	\$ 414 87
Paid for Sarah Marshall Scholarships.....	300 00
	<hr/>
Income on hand at end of the year.....	\$ 114 87

HAVERFORD COLLEGE.

JACOB P. JONES ENDOWMENT FUND.

Founded 1897.

Par value of Invested Funds.....	\$510,750 00
Amount uninvested.....	28,876 51
	<hr/>
Total fund.....	\$539,626 51
Income received during the year.....	24,978 80
Appropriated for scholarships.....	\$ 9,200 00
Appropriated for general expenses.....	15,778 80
	<hr/>
	\$ 24,978 80

CLEMENTINE COPE FELLOWSHIP FUND.

Founded 1899.

Par value of Invested Funds.....	\$ 23,800 00
Amount uninvested.....	1,279 00
	<hr/>
Total fund.....	\$ 25,079 00
Income on hand at beginning of the year..	\$ 970 64
Income received during the year.....	1,137 78
	<hr/>
	\$ 2,108 42
Paid for Fellowships.....	1,465 00
	<hr/>
Income on hand at end of year.....	\$ 643 42

JOHN FARNUM BROWN FUND FOR BIBLE STUDY AND  
RELIGIOUS TEACHING.

Founded 1900 and Increased Later.

Par value of Invested Funds.....	\$125,500 00
Amount uninvested.....	743 08
	<hr/>
Total fund.....	\$126,243 08
Income received during the year.....	5,373 64
Income appropriated for salaries, etc.....	\$ 4,900 00
Income transferred to principal account....	473 64
	<hr/>
	\$ 5,373 64

HAVERFORD COLLEGE.

ELLEN WALN FUND.

Founded 1900.

Par value of Invested Funds.....	\$ 11,000 00
Amount overinvested.....	33 80
<hr/>	
Total fund.....	\$ 10,966 20
Income received during the year.....	450 80
Income appropriated for general expenses.....	450 80

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..	\$ 79 50
Income received during the year.....	229 50
<hr/>	
	\$ 309 00
Income appropriated for Lectures.....	120 00
Income on hand at end of the year.....	189 00

NATHAN BRANSON HILL TRUST.

Fund Established in 1904, Held in Trust by Minneapolis Trust Company, Minneapolis, Minn.

Income received during the year.....	\$ 9 20
Income appropriated for expenses.....	9 20

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 received during the year.....	25 28
Income on hand at end of year.....	25 28

SUMMARY OF THE FUNDS.

General Endowment Fund.....	\$ 101,691 77
Thomas P. Cope Fund.....	5,971 61
Edward Yarnall Fund.....	6,137 46
Alumni Library Fund.....	11,467 09
Isaiah V. Williamson Fund.....	20,690 70
John Farnum Memorial Fund.....	40,130 00
John M. Whittall Fund.....	10,033 89
Richard T. Jones Scholarship Fund.....	5,000 00
David Scull Fund.....	46,187 73
Edward L. Scull Fund.....	12,171 57
New Library Fund.....	6,525 18
Wistar Morris Memorial Fund.....	5,000 00
Mary Farnum Brown Library Fund.....	33,518 57
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.....	539,626 51
Clementine Cope Fellowship Fund.....	25,079 00
John Farnum Brown Memorial Fund for Bible Study and Religious Teaching.....	126,243 08
Ellen Waln Fund.....	10,966 20
Clementine Cope Endowment Fund.....	31,108 75
Thomas Shipley Fund.....	5,225 00
Elliston P. Morris Fund.....	1,188 75
<hr/>	

Total par value.....\$1,072,595 92

being \$40,838.54 more than reported one year ago as follows:

*Haverford College.*

Sale of Real Estate for Account Jacob P. Jones	
Endowment Fund, less Municipal charges.....\$	25,819 53
Bonds added by gift to John Farnum Brown Fund..	11,500,00
Gain on land sold over book value.....	900 00
Variations from par in price of securities bought and sold.....	592 13
Elliston P. Morris Fund, new.....	1,188 75
Income credited to Principal for Contingent Acct..	184 30
Unused Income credited to Principal, as provided in terms of Trusts.....	653 83
	\$ 40,838 54

SPECIAL FUND.

This fund is made up of money donated for special purposes and now awaiting application thereto, as follows:

Boiler House, etc.....\$	12,325 00
Salaries .....	400 00
Books and Periodicals.....	74 50
Prizes .....	180 48
Expenses for 1906-7.....	300 00
	\$ 13,279 98

We have examined the accounts of the Treasurer of The Corporation of Haverford College for the year ending Eighth Month, 31st, 1906, of which the foregoing is a summary. We have compared his payments with the vouchers thereof, and find the same correct. There was a cash balance in his hands on that date of \$261.80, exclusive of \$837.76 in the hands of the President of the College.

{	Signed	}	SAMUEL L. ALLEN, THOMAS F. BRANSON, Auditing Committee.
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Philadelphia, Tenth Month 3d, 1906.

*Haverford College.*

We have examined the securities belonging to The Corporation of Haverford College, and find them to agree with the foregoing statement of the Treasurer.

{ Signed } FRANCIS STOKES,  
GEORGE VAUX, JR.,  
Auditing Committee.

Philadelphia, Tenth Month 4th, 1906.



LIST OF GIFTS TO THE LIBRARY  
OF  
HAVERFORD COLLEGE  
1905-1906

	Volumes
Class of 1900.....	68
Stuart Wood.....	48
Devonshire House Library.....	58
Anonymous gifts.....	18
Mrs. Charles Roberts.....	11
Mr. Barrows.....	10
Howard Comfort.....	9
Penna. State Librarian.....	8
George and E. Converse Peirce.....	8
Dr. A. S. Bolles.....	6
Miss Anna Morris.....	7
R. B. Warder.....	5
N. Y. State Librarian.....	4
Joshua L. Bailey.....	3
Friends of the College.....	3
John Weaver, Mayor of Philadelphia.....	3
J. Rendel Harris.....	2
Pres. Isaac Sharpless.....	2
Class of 1905.....	2

Pa. Bar Association, Henry Pleasants, C. C. Morris, N. J. State Library, Michigan State Board of Health, Massachusetts State Board of Arbitration, Trustees Peacock Institute, H. G. Preston, J. P. McCaskey, Carnegie Institution, I. M. Hays, O. M. Chase, Jefferson Physical Laboratory, Dr. G. A. Barton, Dr. H. S. Pratt, Misses L. L. & G. Schuyler, R. C. Robbins, Anderson Fowler, V. M. Porter, Williams College, Biological Laboratory, Macmillan Co., Subscribers to Publication Fund, N. J. State Geologist, Kansas State Historical Society, F. B. Kirkbride, Howard University, Mrs. L. D. Rudy, W. L. Bryan, N. Y. State Historian, Mrs. J. J. Cox, W. S. Blatchley, Elizabeth P. Smith, B. J. Crew, Haverfordian, Miss A. R. Habershon, J. H. Bartlett, W. H. S. Wood, Dr. W. W. Comfort, one volume each.

DONATIONS OF MONEY DURING THE  
YEAR ENDING 8th MO., 31st, 1906

J. Howe Adams.....	\$ 10 00
George Raymond Allen.....	10 00
Samuel L. Allen.....	560 00
Anonymous .....	50 00
Edward Bettle, Jr.....	5 00
Edwin J. Bevan.....	6 00
William Parker Bonbright.....	10 00
Dr. Thomas F. Branson.....	100 00
Henry R. Bringhurst.....	15 00
Ellis Y. Brown, Jr.....	15 00
T. Wistar Brown.....	3,403 77
George T. Butler.....	10 00
Benjamin Cadbury.....	20 00
Henry J. Cadbury.....	5 00
John W. Cadbury, Jr.....	20 00
Richard T. Cadbury.....	100 00
William W. Cadbury.....	5 00
John E. Carter.....	100 00
Alfred Chase.....	10 00
Joseph W. Clark.....	5 00
Class of 1895.....	50 00
Class of 1896.....	20 00
Class of 1898.....	10 00
Class of 1905.....	200 00
Alfred M. Collins.....	200 00
Henry H. Collins.....	500 00
Minturn Post Collins.....	15 00
Stephen W. Collins.....	10 00
Edward T. Comfort.....	50 00
Howard Comfort.....	120 00
F. H. Conklin.....	10 00
Francis R. Cope, Jr.....	50 00
Henry Cope.....	25 00
Alexander P. Corbit.....	75 00
J. C. Corbit.....	15 00

*HAVERFORD COLLEGE.*

J. Keyser DeArmond.....	50 00
J. Allen DeCou.....	15 00
Joseph H. Dennis.....	5 00
H. A. Dominicovick.....	10 00
Henry S. Drinker, Jr.....	10 00
Levi T. Edwards.....	25 00
John T. Emlen.....	66 67
Richard Erskine.....	50 00
Jonathan Evans.....	10 00
Thomas Evans.....	100 00
Christian Febiger.....	60 00
Wager Fisher.....	5 00
Joseph M. Fox.....	25 00
Alfred Cope Garrett.....	20 00
Elizabeth W. Garrett.....	200 00
George Spencer Garrett.....	25 00
John B. Garrett.....	1,200 00
John H. Gifford.....	50 00
Vincent Gilpin.....	30 00
Kane S. Greene.....	33 00
Richard H. Gummere.....	25 00
Joseph H. Haines.....	25 00
T. H. Haines.....	10 00
Wm. H. Haines.....	10 00
Arthur S. Harding.....	25 00
Charles Hartshorne.....	600 00
J. Paul Haughton.....	50 00
William P. Henszey.....	5,000 00
Walter S. Hinchman.....	25 00
Benjamin R. Hoffman.....	20 00
Arthur Hoopes.....	10 00
C. Horn & Co.....	5 00
Charles H. Howson.....	25 00
Furman S. Howson.....	5 00
Abram F. Huston.....	700 00
Dr. Francis Brinton Jacobs.....	10 00
Walter C. Janney.....	30 00
Horace H. Jenks.....	150 00

*HAVERFORD COLLEGE.*

Alba B. Johnson.....	25 00
Carl Kelsey.....	25 00
Edwin O. Kennard.....	50 00
Franklin B. Kirkbride.....	25 00
A. Wesley Kratz.....	7 00
Arthur N. Leeds.....	50 00
Morris E. Leeds.....	50 00
John A. Lester.....	10 00
Henry L. Levick.....	20 00
William Draper Lewis.....	15 00
William M. Longstreth.....	100 00
Howard Haines Lowry.....	20 00
William C. Lowry.....	50 00
Roswell C. McCre.....	10 00
Paul D. I. Maier.....	15 00
Alfred Collins Maule.....	100 00
Francis N. Maxfield.....	5 00
Alfred Mellor.....	500 00
Ralph Mellor.....	75 00
Walter Mellor.....	75 00
J. Kennedy Morehouse.....	10 00
C. Christopher Morris.....	20 00
Elliston P. Morris.....	1,000 00
Frederick W. Morris, Jr.....	10 00
Harold Hollingsworth Morris.....	30 00
John T. Morris.....	250 00
Samuel W. Morris.....	50 00
William H. Nicholson, Jr.....	10 00
John E. Parker.....	15 00
Maxfield Parrish.....	10 00
Joseph T. Pearson.....	500 00
George Peirce.....	25 00
Herbert C. Petty.....	75 00
A. J. Phillips.....	25 00
Charles James Rhoads.....	500 00
Dr. Samuel Rhoads.....	25 00
G. Brinton Roberts.....	500 00
Edward C. Rossmassler.....	100 00

*HAVERFORD COLLEGE.*

Alden Sampson.....	100 00
Henry W. Scarborough.....	15 00
Alfred G. Scattergood.....	50 00
J. Henry Scattergood.....	275 00
Harold M. Schabacker.....	25 00
David Scull.....	500 00
Carlos Noyes Sheldon.....	15 00
W. Percy Simpson.....	110 00
Alfred Percival Smith.....	475 00
Horace E. Smith.....	100 00
Jonathan M. Steere.....	16 66
J. Stogdell Stokes.....	10 00
Francis R. Strawbridge.....	50 00
Frederic H. Strawbridge.....	9,000 00
Justus C. Strawbridge.....	500 00
William J. Strawbridge.....	50 00
Frederick A. Swan.....	20 00
Albert Syze.....	5 00
Charles G. Tatnall.....	10 00
Henry Tatnall.....	500 00
Edward B. Taylor.....	200 00
Charles S. Taylor.....	50 00
Frank W. Thacher.....	25 00
John R. Thomas.....	12 50
I. S. Tilney.....	25 00
Edgar Earl Trout.....	10 00
Howard M. Trueblood.....	25 00
Dr. Joseph P. Tunis.....	10 00
Dr. James Tyson.....	50 00
Samuel M. Vauclain.....	2,000 00
George Vaux, Jr.....	20 00
William S. Vaux, Jr.....	361 27
A. and S. W.....	1,000 00
W. C. Webster.....	10 00
Erwyn Porter West.....	10 00
John M. Whittall.....	200 00
Francis A. White.....	60 00
Parker S. Williams.....	50 00

Haverford College.

William M. Wills.....	25 00
Robert N. Wilson.....	5 00
Asa S. Wing.....	20 00
John C. Winston.....	225 00
Thomas Wistar.....	30 00
Charles Wood.....	100 00
George Wood.....	250 00
James Wood.....	100 00
L. Hollingsworth Wood.....	25 00
Richard Wood.....	5 00
Stuart Wood.....	500 00
Walter Wood.....	495 00
Edward Woolman.....	15 00
Gifford K. Wright.....	16 66
Arthur R. Yearsley.....	10 00
<hr/>	
Total .....	\$ 36,763 53



TENTH ANNUAL  
EVERETT MEDAL ORATORICAL  
CONTEST, 1906,

Extemporaneous Speaking

FIFTH MONTH 1ST

- "STANDARDS OF GREATNESS".....Cecil Kent Drinker, '08  
"THE SIEGE OF LEYDEN".....Sidney Loewenstein, '09  
"PATRIOTS OF PEACE".....Joseph Passmore Elkinton, '08  
"THE NEWSPAPERS AND REFORM".....Burdette L. Dodge, Jr., '09  
"THE POPULAR ELECTION OF SENATORS".....James Carey Thomas, '08  
"A BOOK OF INFLUENCE".....David Leon Philips, '09  
"AN ESTIMATE OF SWINBURNE".....John Theodore Troth, '08  
"AN INTERPRETATION OF SUCCESS" Clarence Creadick Killen, '09
- 

ANNUAL ALUMNI PRIZE CONTEST  
IN ORATORY, 1906

FIFTH MONTH 22ND

- "A ROMAN STOIC".....Harold Evans, '07  
"THE TORCH BEARERS".....Elliott Bartram Richards, '06  
"MODERN DESPOTISM".....Walter Carson, '06  
"STEPHEN A. DOUGLASS—PATRIOT".....Warren Koons Miller, '06  
"THE GOLDEN RULE".....Donald Cornog Baldwin, '06  
"THE STRENGTH OF THE HILLS".....Ira Jacob Dodge, '07

## EXERCISES OF COMMENCEMENT DAY

SIXTH MONTH 15TH, 1906.

### ORDER OF EXERCISES.

- 11 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 James Tyson, M.D. (Haverford College, Class of 1860) Professor of Medicine in the University of Pennsylvania.
- 12.15 P. M.—II. Presentation of Cricket Prizes in front of Founders' Hall.
- 12.30 P. M.—III. Luncheon on the Lawn.
- 2.00 P. M.—IV. Alumni Cricket Game on Cope Field.
- 2.30 P. M.—V. Cricket and Baseball Games on Walton Field.
- 5.30 P. M.—VI. Alumni Business Meeting in Roberts Hall.
- 7.00 P. M.—VII. Alumni Supper (for Alumni and Invited Guests) on the Lawn.
- 8.15 P. M.—VIII. Alumni Oration in Roberts Hall.  
Delivered by Francis R. Cope, Jr. (Haverford College, Class of 1900).

# SCHEDULE OF RECITATIONS FOR THE COLLEGIATE YEAR 1905-1906

	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 V Physics VI (Eng. VII) Chem. IV History IV Greek III Math. V Eng. III (Biol. VI) Bib. Lit. IV	German IV Astronomy I Math. VI Econ. II  German I Bib. Lit. I  French II Greek I		Chemistry Govern. I Phil. II & III Engin. IV Latin III Biol. VIII Biol. Va, Vb Math. VII Engin. III Greek II French III Latin II	
THIRD DAY	Econ III & IV Phil I  Latin II  Math. Ia, Ib	Phil. Va & Vb Econ I  Physics I Biol. II  Latin I	Greek IV Econ. V, VI Geology I French I Chem. I Math. IIa & IIb	Greek A   History III Spanish I German V German II		Physics II Physics VII English V English XII Biol. Lab. Va, Vb Biology X Engin. III Soph. Chem. Lab. French II Greek I	
FOURTH DAY	Eng. VIII  Latin III Engin. Ia & Ib  Math. IIa & IIb Math. Ia, Ib	Phil. IV  Latin IV  Math. IV Math. IIIa & IIIb Greek II French III Eng. Ia, Ib	Bib. Lit. V French V Physics VI (Eng. VII) Chem. IV History IV Greek III Math. V. Eng. III (Biol. VI)	German IV Astronomy I Math. VI Econ. II  German I  French II Greek I		Phil. II & III Chemistry Engin. IV German III Biology VIII Engin. III Math. VII Soph. Biol. Lab. Physics I Latin I	
FIFTH DAY	Eng. V (II)  Latin III Engin. Ia & Ib  Math. IIa & IIb Math. Ia, Ib	Phil. IV  Latin IV  Math. IV Math. IIIa & IIIb Greek II French III Eng. Ia, Ib	Meeting			Engin. IV Greek A Greek III Chemistry Math. VI English X Engin. III History III German I Spanish I English Vb Biology VII German V German II Latin I	
SIXTH DAY	Econ. III & IV Phil I  Latin II  Math. Ia, Ib	Phil. Va & Vb Econ. I  Physics I Biol. II  Latin I	Greek IV Econ. V, VI Geology I French I Chem. I Math. IIa & IIb	Greek A   History III Spanish I German V German II		Physics II Physics VII English VIa English XII Biol. Lab. Va, Vb Biology X Engin. III Soph. Chem. Lab. French II Greek I	
SEVENTH DAY	Econ. III & IV Greek IV French I --- Soph. --- Soph. German II	Latin IV Math. IV Math. IIIa & IIIb Phys. Lab. --- Biol. Lab. --- History I			Courses enclosed in parentheses ( ) were not offered in 1905-1906 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.

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

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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.

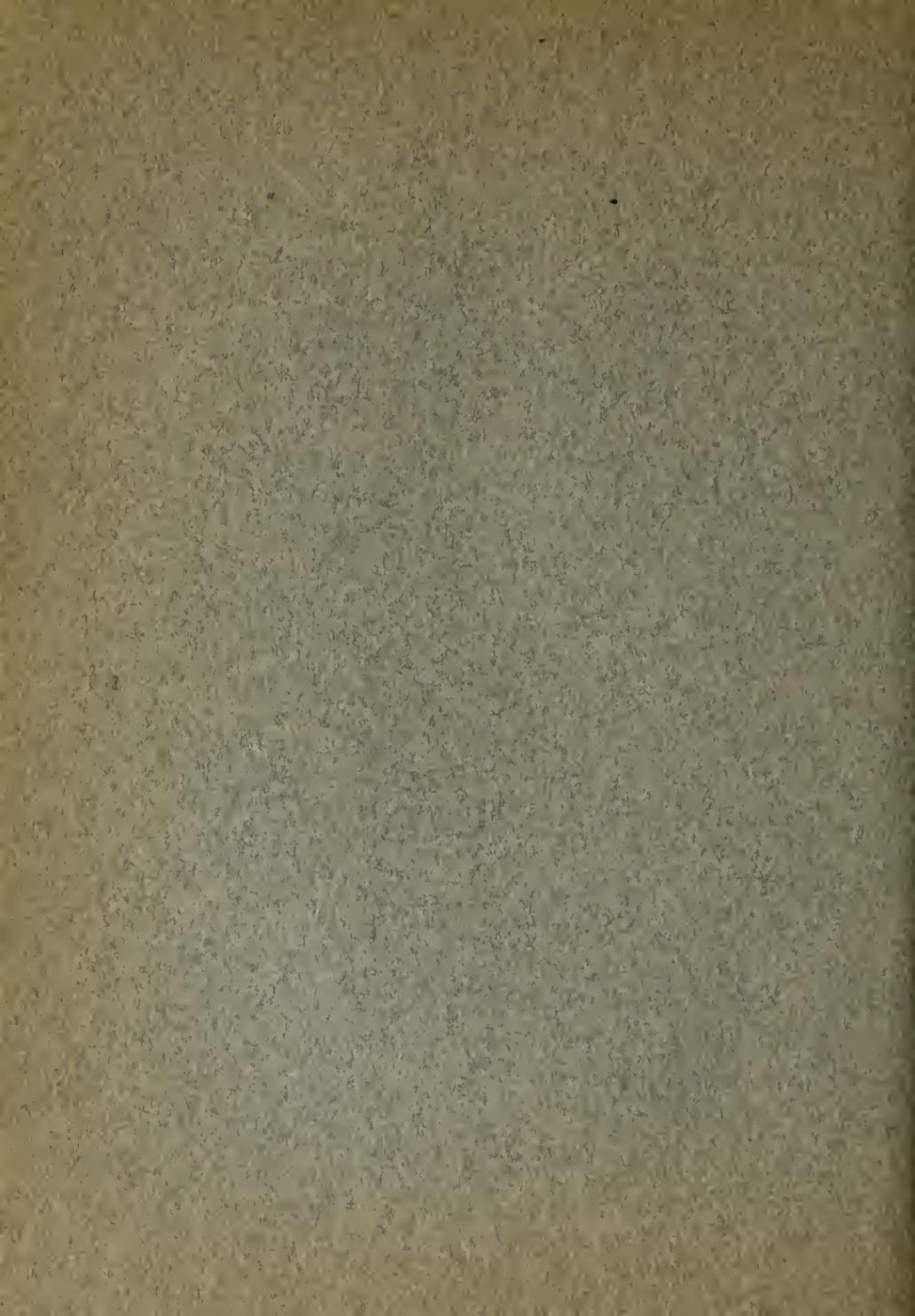
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FORM OF LEGACY.

*I give and bequeath (if personal)—devise (if real)—to "The Corporation of Harverford 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.*







# HVERFORD COLLEGE BULLETIN

VOL. V

FIRST MONTH, 1907

No. 2

## Catalogue

1906-1907



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



CATALOGUE  
OF  
Haverford College  
1906-1907



HAVERFORD, PA.

Press of  
The John C. Winston Co.  
Philadelphia

## CALENDAR.

1906-1907.

Examinations for Admission . . . . .	9th Mo.	24-25-26
College Year 1906-1907 began . . . . .	9th Mo.	26
Winter Recess began . . . . .	12th Mo.	22
Winter Term began,* 1907 . . . . .	1st Mo.	7
Second Half-year begins . . . . .	2d Mo.	11
Spring Recess begins . . . . .	4th Mo.	13
Spring Term begins* . . . . .	4th Mo.	22
Senior Class Day . . . . .	6th Mo.	13
Commencement and Alumni Day, 1907 . . . . .	6th Mo.	14
Examinations for Admission . . . . .	6th Mo.	17-18-19

1907-1908.

Examinations for Admission . . . . .	9th Mo.	23-24-25
College Year 1907-1908 begins* . . . . .	9th Mo.	25
Winter Recess begins . . . . .	12th Mo.	21
Winter Term begins, 1908* . . . . .	1st Mo.	6
Second Half-year begins . . . . .	2d Mo.	9
Spring Recess begins . . . . .	4th Mo.	18
Spring Term begins* . . . . .	4th Mo.	27
Senior Class Day . . . . .	6th Mo.	11
Commencement and Alumni Day, 1908 . . . . .	6th Mo.	12
Examination for Admission . . . . .	6th Mo.	15-16-17

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\*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

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## 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 flowergarden 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 8¼-inch equatorial and a 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 accommodation 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 thousand 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, in 1903; in 1905, a Dining Hall with offices and kitchen, erected by subscription of graduates and friends of the College; and, in 1906, a permanent building for the heating and lighting plant. The whole of Alumni Hall is now available for the housing of the library, which contains forty-eight 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.

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\*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. WING.....409 Chestnut St., Philadelphia

## BOARD OF MANAGERS.

*Term Expires 1907.*

DAVID SCULL.....113 S. Fourth St., Philadelphia

RICHARD WOOD.....400 Chestnut St., Philadelphia

JOHN B. GARRETT.....Rosemont, Pa.

HOWARD COMFORT.....529 Arch St., Philadelphia

FRANCIS STOKES.....Locust Ave., Germantown, Phila.

GEORGE VAUX, JR....404 Girard Building, Philadelphia

STEPHEN W. COLLINS....69 Wall St., New York, N. Y.

FREDERIC H. STRAWBRIDGE.....801 Market St., Phila.

*Term Expires 1908.*

CHARLES HARTSHORNE.....Merion, Pa.

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

WALTER WOOD.....400 Chestnut St., Phila.

WILLIAM H. HAINES.....1136 Ridge Ave., Phila.

WILLIAM H. JENKS. 124 Chestnut Ave., Ches. Hill, Phila.  
 FRANCIS A. WHITE. 1221 N. Calvert St., Baltimore, Md.  
 JONATHAN EVANS. . . . . Haines & Chew Sts., Gtn., Phila.  
 JOHN M. WHITALL. 512 Church Lane, Germant'n, Phila.

*Term Expires 1909.*

EDWARD BETTLE, JR. . . . . 514 Walnut St., Phila.  
 JAMES WOOD. . . . . Mt. Kisco, N. Y.  
 JUSTUS C. STRAWBRIDGE. School Lane, Germant'n, Phila.  
 ABRAM F. HUSTON. . . . . Coatesville, Pa.  
 SAMUEL L. ALLEN. . . . . 1107 Market St., Phila.  
 THOMAS F. BRANSON. . . . . Rosemont, Pa.  
 SETH K. GIFFORD. . . . . Moses Brown School, Providence, R. I.  
 CHARLES J. RHOADS. . . . . Girard Trust Co., Phila.

T. WISTAR BROWN,

*President,*

235 Chestnut St., Phila.

HOWARD COMFORT,

*Secretary,*

529 Arch St., Phila.

## 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.

ERNEST WILLIAM BROWN, SC. D., F. R. S.,  
Professor of Mathematics.

WILFRED PIRT MUSTARD, PH. D.,  
Professor of Latin.

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.,  
Secretary 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 Associate Professor of Economics.

ALBERT ELMER HANCOCK, PH. D.,  
Associate Professor of English and German.

LEGH WILBER REID, PH. D.,  
Associate Professor of Mathematics.

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

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

FREDERIC PALMER, JR., A. M.,\*  
Instructor in Physics and Astronomy.

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

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

ALPHEUS WILSON SMITH, PH. D.,  
Instructor in Physics.

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

RICHARD LUCIUS CARY, A. B.,  
Assistant in the Chemical Laboratory.

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\*Absent 1906-7.

## 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. (Haverford College),  
Westtown, Pa.  
Scott, Roderick, A. B. (Haverford College), Yonkers,  
N. Y.

## GRADUATE STUDENTS.

- Baldwin, Donald Cornog, A. B. (Haverford College),  
Philadelphia, Pa.  
Cary, Richard Lucius, A. B. (Haverford College),  
Baltimore, Md.  
Seely, Leslie Birchard, A. B. (Haverford College), Phil-  
adelphia, Pa.

## SENIOR CLASS.

Birdsall, Joseph Cooper	South Starksboro, Vt.	A
Brown, Arthur Emlen	Germantown, Pa.	S
Brown, Paul Willits	East Downingtown, Pa.	A
Comfort, George Brinton	West Chester, Pa.	E
Craig, George Craig	Rosemont, Pa.	E
Croll, Walter Lewis	Bryn Mawr, Pa.	A
Dodge, Ira Jacob	Akron, Ohio	S

## HAVERFORD COLLEGE

15

Eldridge, William Stauffer	Philadelphia, Pa.	A
Evans, Harold	Germantown, Pa.	A
Godley, Francis Downing	Haverford, Pa.	S
Gummere, Samuel James	Haverford, Pa.	S
Haines, Wilbur Hamilton	Philadelphia, Pa.	S
Hoover, Charles Ruglas	Oskaloosa, Iowa	S
Jones, Ernest Fuller	South China, Me.	A
Lee, Charles Frederick	Friendsville, Tenn.	A
Lindsay, Raleigh Cabell	Madison, N. C.	A
Magill, James Phineas	Philadelphia, Pa.	E
March, Joseph Cornell Beans	Parker Ford, Pa.	A
March, Michael Henry	Pottstown, Pa.	S
Mitchell, Howard, Jr.	Harveyville, Kans.	A
Morton, Alfred Balch	Baltimore, Md.	A
Nicholson, John Whitall, Jr.	Moorestown, N. J.	A
Padin, José	San Juan, Porto Rico	S
Ricks, Richard Arnold, Jr.	Richmond, Va.	S
Rossmassler, William Ryle	Germantown, Pa.	S
Shoemaker, Howard Hey	Philadelphia, Pa.	A
Tatnall, Edward Comfort	Haverford, Pa.	S
Tatnall, Emmett Robinson	Bryn Mawr, Pa.	A
Terrell, Charles Clayton	New Vienna, Ohio	S
Warner, Alexander Nes	Titusville, Pa.	E
Windle, William Butler	West Chester, Pa.	A
Wood, George Hallock	Minnewaska, N. Y.	E

## JUNIOR CLASS.

Baily, Fisher Corlies	Ardmore, Pa.	A
Brown, Carroll Thornton	Westtown, Pa.	A
Burt, Howard	Frankford, Pa.	A

Bushnell, Joseph, 3rd	Germantown, Pa.	E
Clement, John Browning, Jr.	Overbrook, Pa.	A
Drinker, Cecil Aikin	South Bethlehem, Pa.	S
Edwards, Edward Aikin	Philadelphia, Pa.	E
Elkinton, Joseph Passmore	Media, Pa.	A
Emlen, George Williams, Jr.	Germantown, Pa.	A
Hill, Thomas Rothwell	Philadelphia, Pa.	E
Linton, Morris Albert	Moorestown, N. J.	E
Longstreth, Thomas Morris	Philadelphia, Pa.	A
Morriss, William Haviland	Baltimore, Md.	A
Musser, Frederic Omar	Ardmore, Pa.	A
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
Wright, Edwin	Columbus, N. J.	S

## SOPHOMORE CLASS.

Bard, George Smith	Mt. Airy, Pa.	E
Brey, Robert Newton	Philadelphia, Pa.	E
Cope, Joseph	West Chester, 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	Mount Royal, N. J.	A
Hamilton, Frederick Clifford	Stamford, Conn.	E

HAVERFORD COLLEGE

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Hill, Allan Janney	Minneapolis, Minn.	E
Hires, Harrison Streets	Merion, Pa.	A
Killen, Clarence Creadick	Wilmington, Del.	A
Kitchen, Paul Cliff	Philadelphia, Pa.	A
Lewis, Thomas Krapfel	Merchantville, N. J.	S
Lowry, Alfred, 2nd	Philadelphia, Pa.	A
Lutz, Howard Milton	Llanerch, Pa.	A
Marsh, Charles Edward	Coalgate, Ind. T.	S
Miller, Paul Van Reed	Philadelphia, Pa.	A
Moore, Lawrence Clayton	Ercildoun, Pa.	A
Mott, Richard Henry	Whittier, Iowa	S
Myers, Frederick A., Jr.	Philadelphia, Pa.	S
Pennypacker, Jos. Whitaker	Haddonfield, N. J.	A
Philips, David Leon	Kennett Square, Pa.	A
Ristine, Charles Scott	Bryn Mawr, Pa.	E
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
Stetson, Joseph Van Dusen	Philadelphia, Pa.	A
Stokes, Joseph Warrington	Moorestown, N. J.	A
Taylor, Frederic Raymond	Philadelphia, Pa.	S
Thompson, Charles Baker	Baltimore, Md.	A
Underhill, R. Lindley Murray	Ossining, N. Y.	A
Warnock, Aaron Degrauw	Jamaica, N. Y.	E
Williams, Lloyd Garrison	Esmond, N. Dak.	A

FRESHMAN CLASS.

Allinson, Edward Page	Bryn Mawr, Pa.	A
Ayer, Nathaniel Davis	Boston, Mass.	S

Bryant, Henry Earlham C.	Lansdowne, Pa.	E
Cadbury, Earl Shinn	Haverford, Pa.	A
Calley, Donald MacMakin	Upland, Pa.	S
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, Earl Nelson	Philadelphia, Pa.	E
Froelicher, Charles Mitchell	Baltimore, Md.	A
Frost, Meigs Oliver	New Britain, Conn.	A
Furness, Harold Alan	Haddonfield, N. J.	E
Gheen, Evan Pennock	West Chester, Pa.	A
Greene, William Chase	Baltimore, Md.	A
Haines, Carroll Austin	Philadelphia, Pa.	S
Hutton, Arthur Webster	Berwyn, Pa.	S
Judkins, William	Cincinnati, Ohio	E
Kenderdine, John Donald	Germantown, Pa.	A
Kerbaugh, George Allen	Bryn Mawr, Pa.	A
Law, Fern	Ardmore, Pa.	E
Lewis, Henry Carvill	Germantown, Pa.	E
Martin, Stuart Thompson	Germantown, Pa.	E
Mason, Samuel, Jr.	Germantown, Pa.	E
Mayers, Clayton Wadleigh	Dresden, Me.	E
Morley, Christopher Darlington	Baltimore, Md.	A
Morris, Reginald Hollingsworth	Villa Nova, Pa.	S
Palmer, Walter	Media, Pa.	E
Phillips, Alfred Ingersoll, Jr.	Philadelphia, Pa.	E
Phillips, John Phillips	St. Davids, Pa.	E

Rabinowitz, Samuel Abraham	Philadelphia, Pa.	A
Roberts, Alfred Stokes	Moorestown, N. J.	S
Shoemaker, Comly Bird, 2nd	Philadelphia, Pa.	E
Spaulding, Eugene Ristine	Mt. Airy, Pa.	S
Strassburger, Perry Beaver	Norristown, 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

SPECIAL STUDENTS.

Baker, Philip John	London, England
Clark, Thomas Noah	Haverford, Pa.
Eshleman, Rodney Mercur	Lancaster, Pa.
Frutchey, Charles Arthur	Philadelphia, Pa.
Guenther, Jacob Jarden	Philadelphia, Pa.
Kurtz, William Wesley, 2nd	Germantown, Pa.
Langsdorf, Jacob Morris	Philadelphia, Pa.
Leonard, Arthur Cheney	Wayne, Pa.
Loewenstein, Sidney	Philadelphia, Pa.
Miller, Charles Lichty	Lancaster, Pa.
Powell, William Chambers, Jr.	Bryn Mawr, Pa.
Ramsey, Frank McCracken	Sterling, Kans.
Sholem, Grover	Paris, Ill.
Shultz, Walter Dexter	Lancaster, Pa.
Stribling, William Clarkson	Markham, Va.

## SUMMARY.

Graduates .....	5
Seniors .....	32
Juniors .....	22
Sophomores .....	35
Freshmen .....	40
Special Students.....	15

## 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 1907 the dates will be as follows:—

*Sixth month 17th, and Ninth month 23rd.*

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 18th, and Ninth month 24th.*

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 19th, and Ninth month 25th.*

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 75) must take all their examinations not later than the Sixth month of the year of entry.

#### SUBJECTS FOR EXAMINATION.

##### 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

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

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 1907-1908 will be Shakspeare's *Merchant of Venice* and *Macbeth*; Addison's *The Sir Roger de Coverley Papers* in the Spectator; Irving's *Life of Goldsmith*; Coleridge's *Ancient Mariner*; Scott's *Ivanhoe* and *Lady of the Lake*; Tennyson's *Gareth and Lynette*, *Launcelot and Elaine* and *The Passing of Arthur*; Lowell's *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).

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

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*, *Launcelot 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 examinations to be held for

entrance in 1907-1908 will be: Shakspeare'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: Shakspeare'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.

*Algebra B* cannot be taken as preliminary examination.

*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.

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. (c) The translation into Greek of a simple 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 (see 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 (see page 40) will be adequate for preparation.

## 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.

II. *For the Courses in Science:*—

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.

Students not able to pass all of 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.

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

## COURSES OF INSTRUCTION.

I. COURSE IN ARTS *leading to the degree of Bachelor of Arts.*—All courses given in any department are open as electives during the last two years on compliance with the necessary preliminaries.

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 Ia, Ib, II .....	3
Mathematics, Ia, Ib, Ib'.....	4
History I .....	2
Biblical Literature III.....	1
Biology I and Physical Training .....	2

## SOPHOMORES.

Greek II, or German II, or French II.....	3
Latin II .....	3
English III .....	2

*Mathematics IIa, IIb, or Chemistry I.....	4
*Physics I, or Biology II .....	4
Biblical Literature II, or III.....	1
Physical Training.....	1½

## 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 Va and Vb .....	2
Biblical Literature II, or IV.....	1
Electives .....	12

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.

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\*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 A, or French A.

(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. The latter object can be obtained by proper electives in the courses in Arts and General Science.

COURSES LEADING TO THE DEGREE OF  
BACHELOR OF SCIENCE.

	GENERAL SCIENCE.	ENGINEERING.
FRESHMEN.	Biblical Lit. III.....*1	Biblical Lit. III.....*1
	English Ia, Ib, II..... 3	English Ia, Ib, II..... 3
	History I..... 2	History I..... 2
	Mathematics Ia, Ib, Ib'..... 4	Mathematics Ia, Ib, Ib'..... 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 IIa, IIb or Chemistry I..... 4	Mathematics IIa, IIb..... 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
	Physical Train.....1½	Engineering IV..... 2
		Physical Train.....1½
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 IIIa, IIIb..... 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 ..... 4	Electives ..... 2
SENIORS.	Biblical Lit. IV..... 1	Biblical Lit. IV..... 1
	English IV or V..... 1	English IV or V..... 1
	Philosophy Va, Vb..... 2	Philosophy Va, Vb..... 2
		Mathematics IV..... 3
		Engineering I or II, or Adv. Electricity..... 2
	Engineering III or IV, or Physics or Chemistry..... 2	
	Physics VI or VII..... 2	
	Electives .....12	Electives ..... 3

\*Figures in these columns indicate hours per week. In laboratory, gymnasium and shopwork, 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 who present Greek for admission. The other courses are elective.

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.

Professor Baker; 3 hours.

[Not given in 1906-7.]

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

Professor Baker; 3 hours.

II. Plato, *Euthyphro*, *Apology*, *Crito* and selections from *Phaedo*; selections from Aristophanes, *Clouds*; Aeschylus, *Prometheus*; Euripides, *Alcestis*. 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.

[Not given in 1906-7.]

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 1906-7.]

## LATIN.

Latin I and II are required, respectively, of Freshmen and Sophomores who present Latin for admission. The other courses are elective.

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

Professor Mustard; 4 hours.

II. Virgil, *Georgics*, Books I-II; Catullus; Horace, *Odes* and *Epodes*. Translation at sight.

Professor Mustard; 3 hours.

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

Professor Mustard; 3 hours.

IV. Terence, *Adelphoe*; Plautus, *Menaechmi*; selections from Lucretius; Quintilian, *Institutio Oratoria*, Book X. Translation at sight.

Professor Mustard; 3 hours.

[Not given in 1906-7.]

V. Advanced Latin Composition.

Prof. Mustard; 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, *Literary His-*

*tory 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 Shakspeare. 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.

Vib. *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.

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.

[Not given in 1906-7.]

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

Professor Gummere; 2 hours.

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.

[Not given in 1906-7.]

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.

XII. *English Poetry of the Nineteenth Century.* Lectures on the lives and works of Burns, Coleridge, Wordsworth, Shelley, Byron, Keats, Arnold, Tennyson and Browning. Collateral readings and reports.

Professor Hancock; 2 hours.

[Not given in 1906-7.]

## GERMAN.

German I is required of all Freshmen and German II of all Sophomores who present German for admission.

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

T. K. Brown; 3 hours.

I. *Freshman German.* A course in the rapid reading of representative German writers. Baumbach, *Im Zwielicht*; Lessing, *Minna von Barnhelm*; Schiller, *Wilhelm Tell*; Goethe, *Hermann und Dorothea* and *Götz von Berlichingen*; 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, *Trompeter von Säkkingen*; Fouqué, *Undine*.

Professor Hancock; 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.

[Not given in 1906-7.]

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.

Professor Gummere; 2 hours.

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

Professor Gummere; 2 hours.

[Not given in 1906-7.]

## FRENCH.

French I is required of all Freshmen and French II of all Sophomores who present French for admission.

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.

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.

[Not given in 1906-7.]

## 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.

[Not given in 1906-7.]

## 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.

## 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, 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 nearby where other works and journals may be consulted. In one of the lecture rooms is a collection of mathematical models.

Courses Ia and Ib and Ib' are required of all Freshmen. Courses IIa and IIb are Sophomore courses..

Ia. *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; 4 hours, first half-year.

Ib. *Solid Geometry and Mensuration*. Thompson, *Elementary Solid Geometry*. Ib'. *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 Reid; 4 hours, second half-year.

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

Professor Brown; 4 hours, first half-year.

Iib. *Differential Calculus*. McMahan and Snyder, *Differential Calculus*.

Professor Brown; 4 hours, second half-year.

IIIa. *Integral Calculus*. 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.

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

IV. *Introduction to Analytical Mechanics*; including the earlier parts of dynamics and statics, the motion of a particle under any forces and the principal theorems in attractions and potential. This course is required of Engineering students in their Senior year.

Professor Brown; 3 hours.

V. *Introduction to Modern Analytical Geometry*.

Professor Reid; 2 hours, half-year.

VI. *Introduction to the Theory of Functions*. Prerequisite, IIIa.

Professor Brown; 3 hours.

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

Professor Brown; 2 hours, half-year.

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

Professor Reid; 2 hours, half-year.

IX. *Advanced Algebra*. The following topics will in general be discussed: rational functions, determinants, symmetric functions, invariants, groups. Weber, *Algebra*.

Professor Reid; 3 hours, half-year.

[Not given in 1906-7.]

X. *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 1906-7.]

XI. *Fourier Series and Spherical Harmonics*; including some of the simpler applications to physical problems.

Professor Brown; 3 hours, half-year.

XII. *Elements of the Theory of Algebraic Numbers.*

Professor Reid; 3 hours.

[Not given in 1906-7.]

XIII. *Theoretical Dynamics.* Prerequisites, IIIa, IIIb and IV.

Professor Brown; 3 hours, half-year.

[Not given in 1906-7.]

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

Professor Reid; 2 hours, first half-year.

XV. *Advanced Mechanics.* This course is a continuation of course IV, and it includes the methods by which the general principles of Mechanics are applied to the solution of various physical problems. Thomson and Tait, *Natural Philosophy*, is used as a text-book.

Professor Brown; 2 hours, half-year.

## 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 1906-7.]

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 historical development, the relation of cause and effect, and to awaken in the students 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 Arabian civilization; the rise and decline 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 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, saving 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.

[Not given in 1906-7.]

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.

#### 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 beginnings 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, are read in class. Lectures on the English of the Bible, and on its literary form.

Professor Gummere; 2 hours.

### PHILOSOPHY.

I. *Psychology.* A course in general psychology. James, *Psychology* (briefer course), is used as a textbook, 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, *History of Philosophy*, and Royce, *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. During 1906-7 Watson, *Selections from Kant*, and Hegel, *Logic*, are being read.

Professor Jones; 2 hours, in the evening.

## 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, having an object-glass 10 inches in diameter, and one with an object-glass of  $8\frac{1}{4}$  inches, with filar micrometer and eye pieces; a polarizing eye-piece; a Newtonian reflector with a silver-on-glass speculum of  $8\frac{1}{4}$  inches diameter; a prism spectroscope; a meridian transit circle having a telescope of  $3\frac{3}{4}$  inches aperture with a circle at each end of the axis 26 inches in diameter; a zenith instrument of  $1\frac{3}{4}$  inches aperture, with a micrometer; two sidereal clocks, one with mercurial compensation, the other used to connect with a Bond's magnetic chronograph.

The latitude of the observatory is  $40^{\circ} 0' 40.1''$  north, its longitude, 7 minutes 3.08 seconds east from Washington.

I. *General Descriptive Astronomy.* This course is intended to make the student familiar with the fundamental facts upon which modern astronomy is based. The observatory instruments are explained and used. Some idea is given of the scope and methods of practical astronomy. The text-book is David P. Todd, *New Astronomy*.

F. Palmer, Jr.; 2 hours.

[Not given in 1906-7.]

II. *Practical Astronomy.*

F. Palmer, Jr.; 2 hours.

[Not given in 1906-7.]

## BIOLOGY.

The biological laboratory is amply equipped with microscopes, reagents and all other necessary apparatus and appliances. It also contains about two 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, and, in some of them, to the second year of their course.

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.

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 the more important reagents, the use of the microtome, etc., and he prepares or obtains about one hundred stained and mounted tissues.

Professor Pratt; 3 hours, first half-year.

[Not given in 1906-7.]

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

Professor Pratt; 3 hours, second half-year.

[Not given in 1906-7.]

Courses *Va.* and *Vb.* are given in alternate years with Courses 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.

[Not given in 1906-7.]

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.

Prof. Pratt; 1 hour.

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 depart-

ment 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 far 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 Juniors and Seniors. 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.

## CHEMISTRY.

The large 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, of all Freshmen in the Chemical and Preparatory Medical 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, properties 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 dynamos and motors, Weston and other ammeters and voltmeters, a Leeds and Northrup potentiometer, a good variety of

Thomson and D'Arsonval galvanometers, a fine Wheatstone bridge made by Elliott Brothers, together with numerous other bridges, condensers, standard units, etc. The laboratory is supplied throughout with both gas and electric light, and electric currents are obtained either from a storage battery or from a dynamo.

I. *Elementary Physics.* This course is an elective with Biology 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. Carhart, *University 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.

Dr. Smith ; 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.

Dr. Smith; 2 hours or more, by arrangement.

VI. *Electricity*. Elementary instruction by text-book and lectures, in electrical quantities and units; the principles of electrical measuring instruments, dynamos, motors and transformers. The course includes experiments with dynamos and motors, such as making characteristic curves, the measurement of efficiency, etc. The practical phases of electricity are considered.

L. H. Rittenhouse; 2 hours.

VII. *Electricity*. This course is intended to follow Course VI. It begins with laboratory experiments by the student, involving the use of refined measuring instruments and the absolute measurement of electrical quantities. It embraces also, in more detail than Course VI, the study of the design, construction and operation of dynamo, direct and alternating; the theory of the transformer; the transmission of electrical energy; the modern applications of the electric current. The practical phases of electrical engineering, such as the wiring of buildings, the installation of electrical machinery, etc., are taken up as far as time permits.

L. H. Rittenhouse; 2 hours or more.

## 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.

[Not given in 1906-7.]

## ENGINEERING.

The Engineering Department occupies a commodious stone building, three stories high, erected during the summer of 1896. The entire equipment is new 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 four 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. Steam engine indicators and electrical measuring instruments, in connection with the central heating and lighting plant, afford good opportunity for engine and dynamo testing. The third story of the building is devoted to drawing and is a large and well-lighted room.

The instruction begins with a series of graded exercises which teach accuracy in the use of tools and illustrate the principles of machine construction. This is followed by practice in the construction of parts of machinery and the building of complete machines.

The students are taken, from time to time, to visit machine-shops and engineering constructions in Philadelphia and vicinity.

Students in Engineering spend at least five hours a week for three years in the shop, and students in Electrical Engineering five hours a week for two years. In addition the following technical mechanical courses are given. For the corresponding electrical courses, see under Physics.

I. *Steam Engineering*. A study of the construction of modern steam engines, boilers, condensers, pumps, etc., followed by the thermo-dynamic principles involved in the operation of the steam engine.

L. H. Rittenhouse; 2 hours.

[Not given in 1906-7.]

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.

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

III. *Practical Mechanics.* This course extends through four years for engineering students. It 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.

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

IV. *Mechanical Drawing and Machine Design.* A course beginning with the elementary projection of solids and complicated intersections, and embracing the design of plain and bevel gear wheels (cycloidal and involute), worm gearing, the Stephenson link motion for reversible steam engines, etc. The course concludes with the design of a steam engine or a gasoline motor, and complete detail drawings of all working parts.

O. M. Chase; 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.  
American Gymnasia.  
Collier's Weekly.  
Cosmopolitan.  
Field and Stream.  
Golf.  
Harper's Weekly.  
Horseless Age.

Illustrated Sporting News.  
Judge.  
Life.  
London Graphic.  
McClure's Magazine.  
Outing.  
Success.

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, four periods a week.

A similar course of three periods a week 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 54-57.

## THE LIBRARY.

The College Library now contains over forty-eight 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 :

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|---|--|
| Acta Mathematica.                                   | Astronomical Journal.  |
| Advocate of Peace.                                  | Astronomische Nachrichten.                                   |
| American Friend.                                    | Astrophysical Journal.                                       |
| American Historical Review.                         | Athenæum.  |
| American Journal of Archæology.                     | Atlantic Monthly.  |
| American Journal of Mathematics.                    | Australian Friend.   |
| American Journal of Religious Psychology.           | Banner and Herald.   |
| American Journal of Theology.                       | Beiblätter für die Annalen der Physik.                       |
| American Journal of Philology.                      | Beiträge zur Geschichte der deutschen Sprache und Literatur. |
| American Journal of Science.                        | Biological Bulletin.   |
| American Machinist.                                 | Bird Lore.   |
| American Naturalist.                                | Bookman.   |
| Anglia.   | British Friend.  |
| Anglia Beiblatt.                                    | Bulletin Astronomique.                                       |
| Annalen der Physik.                                 | Bulletin des Sciences Mathématiques.                         |
| Annals of American Academy.                         | Bulletin of American Mathematical Society.                   |
| Annals of Mathematics.                              |  |
| Archiv für lateinische Lexicographie und Grammatik. |  |

- Bulletin of the Bureau of Standards.  
 Bulletin of the Department of Labor.  
 Bulletin of Bibliography.  
 Cassier's Magazine.  
 Catalogue of U. S. Public Documents.  
 Century Magazine.  
 Chicago Banker.  
 Classical Journal.  
 Classical Philology.  
 Classical Review.  
 Columbia University Quarterly.  
 Commercial and Financial Chronicle.  
 Comptes Rendus de l'Académie des Sciences.  
 Congressional Record.  
 Consular Reports.  
 Contemporary Review.  
 Critic.  
 Cumulative Index.  
 Department of Labor Bulletin (New York).  
 Dial.  
 Drexel Institute Bulletin.  
 Economist (London).  
 Educational Review.  
 Electrical World.  
 Electrician.  
 Electrochemical and Metallurgical Industry.  
 Englische Studien.  
 English Catalogue of Books.  
 Experimental Station Record.  
 Expositor.  
 Expository Times.  
 Forest Leaves.  
 Fortschritte der Mathematik.  
 Friend (London).  
 Friend (Philadelphia).  
 Friendly Messenger.  
 Friends' Intelligencer and Journal.  
 Friends' Missionary Advocate.  
 Friends' Quarterly Examiner.  
 Good Government.  
 Harper's Magazine.  
 Harper's Weekly.  
 Hartford Seminary Record.  
 Harvard Graduates' Magazine.  
 Herald of Peace.  
 Hibbert Journal.  
 Independent.  
 Indian's Friend.  
 International Journal of Ethics.  
 Jahresbericht über d. Fortschritte d. Klass. Altertumswissenschaft, und Beiblätt.  
 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 Germanic 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.  
 Pedagogical Seminary.  
 Pennsylvania Magazine.  
 Philosophical Magazine.  
 Philosophical 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.  
 Publishers' Weekly.  
 Publications of the Modern Language Association.  
 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.  
 Scientific American Supplement.  
 Scribner's Magazine.  
 Smithsonian Miscellaneous Collections.  
 Sound Currency.  
 Southern Workman.  
 Spectator.  
 Transactions of the American Mathematical Society.  
 University Record (Chicago University).  
 War or Brotherhood.  
 Wochenschrift für klassische Philologie.  
 World's Work.  
 Yale Alumni Weekly.  
 Yale University Bulletin.  
 Young Friends' Review.  
 Zeitschrift für Anorganische Chemie.  
 Zeitschrift für Physikalische Chemie.  
 Zoologischer Anzeiger.  
 Zoologisches Zentralblatt.

The Library is open 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, 1905-1906.

## HAVERFORD LIBRARY LECTURES.

Three lectures by Dr. Henry Churchill King, President of Oberlin College.

"The Laws of Friendship—Human and Divine."

Second month 16, 17 and 19, 1906.

THE THOMAS SHIPLEY LECTURE ON  
ENGLISH LITERATURE.

"John Dryden," by Professor LeBaron Russell Briggs, of Harvard University.

Fourth month 25, 1906.

## CERCLE FRANÇAIS DE HAVERFORD.

By permission of the College, the following lectures before the "Cercle Français de Haverford" were delivered in Roberts Hall:

"Le Voyage de Monsieur Perrichon" (Comédie par Labiche et Martin), read by M. Édouard Lance de Parenty, of New York.

Eleventh month 1, 1905.

"La Poésie au Dix-neuvième Siècle: Musset, Lamartine, Hugo," by M. Florian Vurpillot, of the University of Pennsylvania.

Twelfth month 7, 1905.

"La Chanson Populaire en France" (avec chant), by M. Julien Tiersot, Bibliothecaire du Conservatoire, Paris.  
First month 9, 1906.

"Interprétation et explication de morceaux choisis de poésie française: Villon, Ronsard, Malherbe, Béranger, Musset, Banville, Hugo, Richepin, etc.," by M. A. Schinz, Associate Professor of French Literature in Bryn Mawr College.

Second month 13, 1906.

"Le Luthier de Crémone," by François Coppée, read by M. P. E. Giroud, licencié-ès lettres, officier d'académie, Professor in Girard College.

Third month 8, 1906.

"Le Vieux Paris: Souvenirs Historiques et Littéraires" (Illustrated), by Professor L. A. Loiseaux, of Columbia University.

Fourth month 11, 1906.

#### OTHER LECTURES.

"Some Phases of the Negro Problem," by Dr. Booker T. Washington, of Tuskegee Institute. Lecture delivered under the auspices of the Civics Department of the Loganian Society.

Twelfth month 6, 1905.

“Jujutsu: Its Historical and Educational Value” (Demonstrated), by Professor M. Honda, of Tokio, Japan.

Twelfth month 7, 1905.

“South Africa: Land and People,” by Ernest William Brown, Sc. D., F.R.S., Professor of Mathematics in Haverford College. Lecture delivered under the auspices of the Phi Beta Kappa Society, Zeta Chapter of Pennsylvania.

First month 11, 1906.

“The progress of the Colored Race” (Illustrated), by G. F. Richings. Lecture delivered under the auspices of the Civics Department of the Logonian Society.

Third month 19, 1906.

### 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.

Graduates of Haverford College of three years' standing may take the degree of Master of Arts or of Master of Science by passing an examination on some literary or scientific course of study which shall have received the approval of the Faculty. Such a course must be equivalent to one year's uninterrupted study.

Candidates who are examined may also be required to hand in dissertations on topics in the field of study which they have specially investigated.

Resident graduates, who have completed an adequate course of study, may be admitted to an examination for a second degree at the expiration of one or two years.

Notice of application for examination must be given to the President two months before Commencement. The examination for non-residents will be held during the last week in Fifth month. The fee for the Master's diploma is twenty dollars, to be paid in all cases before the 1st of Sixth month.

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 they 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.

Accommodation for students is furnished at different rates, as follows :

Merion Cottage,	21	at \$375 each.
“	“	4 at \$400 each.
Founders Hall,	10	at \$400 each.
Barclay Hall,	6	at \$400 each.
“	“	26 at \$450 each.
“	“	54 at \$500 each.
Lloyd Hall,	16	at \$575 each.

The rent of rooms 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 charge for tuition 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.

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 a 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 studies 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 the 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 essay of 1908 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, philosophy and political science.

*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 1906.

At the Commencement in 1906, degrees were granted after examination to the following graduates:

MASTER OF ARTS.

- Christian Brinton, A.B. (Haverford College).  
 Enoch Farson Hoffman, A.B. (Haverford College).  
 Sceva Bright Laughlin, A.B., A.M. (Penn College).  
 Herman Newman, A.B. (Friends' University),  
 A.B. (Haverford College).  
 Sigmund Gottfried Spaeth, A.B. (Haverford College).  
 Chester Jacob Teller, S.B. (Haverford College).  
 Samuel Norman Wilson, A.B. (Haverford College).

BACHELOR OF ARTS.

- |                               |                          |
|-------------------------------|--------------------------|
| Edmund Fletcher Bainbridge    | William Kennard, Jr.     |
| Donald Cornog Baldwin         | William Gibbon Lindsay   |
| Frank Seneca Breyfogel        | Arthur Tilghman Lowry    |
| Thomas Kite Brown, Jr.        | Warren Koons Miller      |
| Walter Carson                 | James Monroe             |
| Richard Lucius Cary           | Spencer Gilbert Nauman   |
| Aubrey Cowtan Dickson         | Jesse Duer Philips       |
| Henry Warrington Doughten, Jr | Henry Pleasants, Jr.     |
| James Turner Fales            | David James Reid         |
| Gordon Harwood Graves         | Elliott Bartram Richards |
| William Henry Haines, Jr.     | Ralph William Sands      |

Roderick Scott	Albert Keith Smiley, Jr.
Franklin Gates Sheldon	Francis Richards Taylor
Raphael Johnson Shortlidge	Joseph Tunney
	Walter Albert Young

## BACHELOR OF SCIENCE.

Thomas Crowell	Francis Bolton Morris
Joseph Pusey Edsall	Joseph Walton Mott
Albert Weimer Hemphill	Daniel Herbert Schweyer
Harry Boardman Hopper	John Alfred Stratton

## FELLOWSHIPS.

*The Clementine Cope Fellowship (\$500) for 1906-1907  
was awarded to*

Walter Carson

*Two Teaching Fellowships (\$300 each) for 1906-1907  
were awarded to*

Thomas Kite Brown, Jr.  
Roderick Scott

## PRIZES.

*The Alumni Prize in Composition and Oratory (\$50 in  
books) was awarded to*

Harold Evans  
Honorable Mention. . . . Warren Koons Miller

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

James Carey Thomas

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

First Prize (\$40).....José Padin  
Second Prize (\$30).....Not Awarded  
Third Prize (\$20)..... Joseph Cooper Birdsall  
Fourth Prize (\$10)..... Howard Hey Shoemaker

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

Latin (\$10) ..... Frederic Omar Musser  
Mathematics (\$10) ..... Morris Albert Linton

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

Richard Lucius Cary

#### HONORS.

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

Thomas Kite Brown, Jr.	Gordon Harwood Graves
Walter Carson	Ralph William Sands
Roderick Scott	Aubrey Cowtan Dickson
Richard Lucius Cary	Elliott Bartram Richards

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

Thomas Kite Brown, Jr.	Roderick Scott
Walter Carson	Richard Lucius Cary

*Honors in Departments were granted as follows:*

Honors in Greek and English . . . . .	{ Thomas Kite Brown, Jr. Elliott Bartram Richards
Honors in English . . . . .	Raphael Johnson Shortlidge
Honors in History . . . . .	Warren Koons Miller
Honors in History and Economics	Ralph William Sands
Honors in Economics . . . . .	{ Aubrey Cowtan Dickson Franklin Gates Sheldon
Honors in Philosophy and English	Roderick Scott
Honors in Philosophy and French	Francis Richards Taylor
Honors in Philosophy . . . . .	Walter Carson
Honors in Chemistry and Mathematics	
	Richard Lucius Cary

### *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 1906-1907.*

#### Class of 1907

Harold Evans	Ernest Fuller Jones
George Hallock Wood	James Phineas Magill

## Class of 1908

Morris Albert Linton	Howard Burr
Carl Forse Scott	Thomas Rothwell Hill

## Class of 1909

R. Lindley Murray Underhill	Frederick Clifford Hamilton
Clarence Creadick Killen	Charles Baker Thompson

## Class of 1910.

Alfred Ingersoll Phillips, Jr.	Christopher Darlington
John French Wilson	Morley
	Edward Wandell David

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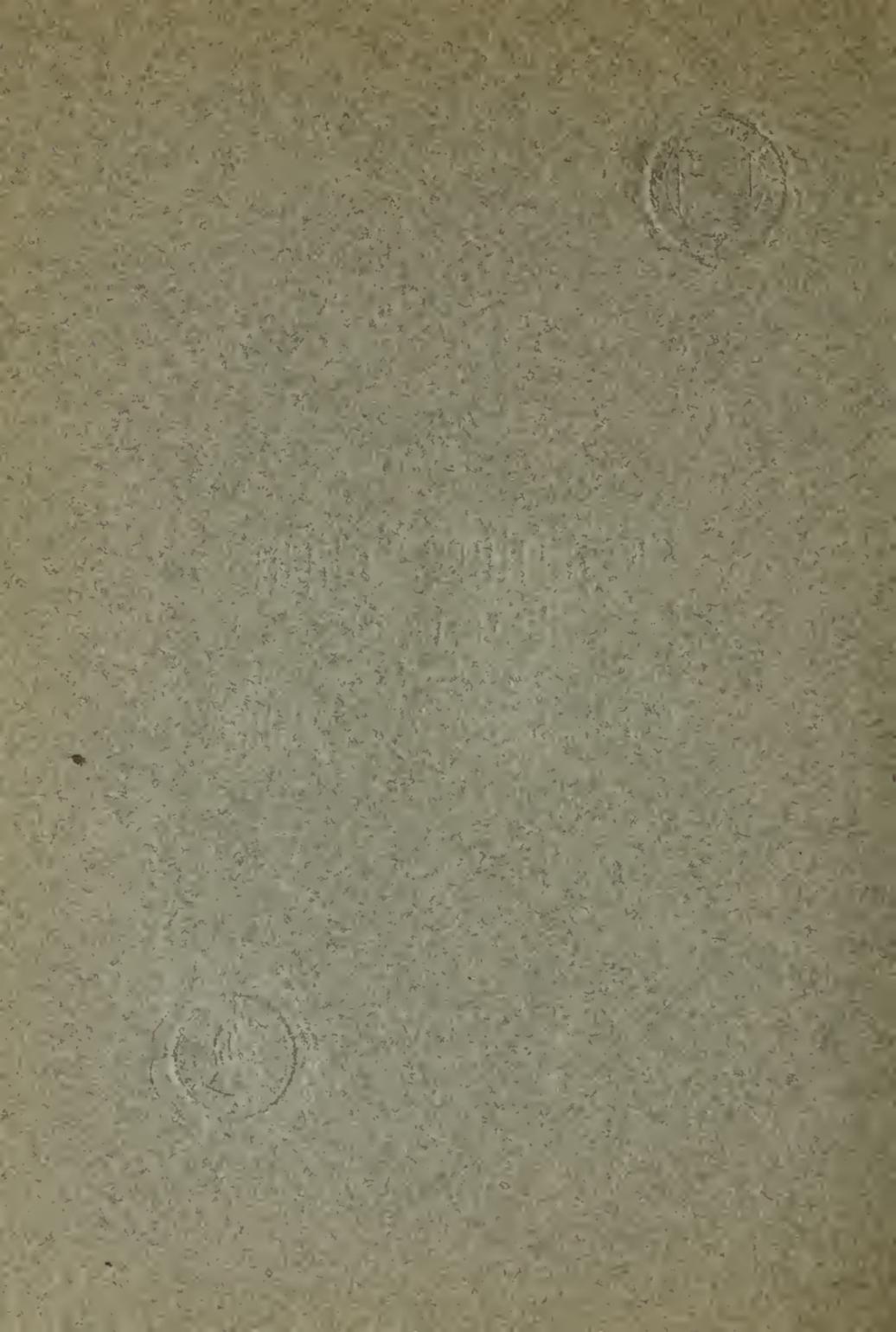


# Haverford College Bulletin

VOL. V    FOURTH MONTH 1907    NO. 3

Illustrations and Description













Barclay Hall

# HVERFORD COLLEGE BULLETIN

Vol. V

FOURTH MONTH, 1907

No. 1

## Illustrations and Description



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Printed and Published by the Haverford College Press, Haverford, Pa.  
Entered as Second-Class Matter, July 22, 1891.

“And all we met was fair and good,  
And all was good that Time could bring.  
And all the secret of the Spring  
Moved in the chambers of the blood”

# Haverford College Bulletin

Vol. V

FOURTH MONTH, 1907

No. 3

## Illustrations and Description



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

THE JOHN C. WINSTON CO.  
1006 • 1016 ARCH STREET  
PHILADELPHIA



## PREFACE

This number of the Haverford College Bulletin is intended to give to our older graduates and the friends of the College an idea of its development in recent years and its material and educational condition as it approaches its seventy-fifth birthday. For this purpose the following summary may be interesting:—

Acres of land in College property, 225.

Value (estimated), \$1,250,000.

Value of other lands owned by the College (estimated), \$500,000.

Productive Endowment, \$1,200,000.

Number in Faculty, 20.

Number of Students, 149.

Tuition, Board and Room Rent per year, \$375 to \$575.

Tuition per year, \$150.

Competitive Scholarships, 16.

Other Scholarships, 46.

Courses: Arts, Science, Engineering.

Admission: By examination only.

Athletics: Cricket, Football, Tennis, Golf, Skating,  
Gymnastics, Field and Track Athletics.

HAVERFORD,

*Third Month, 1907.*





The Upper Drive

## HAVERFORD COLLEGE.

Haverford is a suburban station on the main line of the Pennsylvania Railroad, nine miles from the center of Philadelphia. The College buildings are situated in a tract of 225 acres, one-third of a mile from the station. The surrounding country was settled in 1682 and succeeding years by Welsh Quakers, who gave the name of their old home—Haverford—to the township. It is now occupied by residences of Philadelphians, and, beyond the College, by a farming community. The College, therefore, has a healthful location in the country, although





Founders Hall

it is within twenty minutes ride of the libraries and other conveniences of a city of a million and a quarter of people. The large acreage gives it command of springs of pure water and every facility for good drainage.

The institution was opened in 1833. Such of the ground immediately around the building as was not natural woodland—sixty acres in extent—was planted with trees most wisely selected and arranged. The growth of over seventy years has made a beautiful park, which now includes several excellent fields for athletic sports; and a good deal of labor and money is still expended in efforts to maintain the high





Roberts Hall and Barclay Hall



standard set by the founders. Perhaps no better setting for a college is to be found in America.

The buildings consist of (1) Founders Hall, erected in 1833, which now contains the scientific laboratories, six lecture rooms, and rooms for a few students. To this was added in 1905 a new wing costing about \$55,000, which provides an adequate dining hall and kitchen arrangements of corresponding size and quality; (2) the Observatory, with two equatorial telescopes and a variety of smaller instruments, built in 1852; (3) the Library building, erected



The Library





The Library, Interior

in 1863 and doubled in size in 1898, which contains 48,000 bound volumes and several thousand pamphlets, and regularly receives some 165 periodicals; (4) Barclay Hall, a dormitory erected in 1876-7, with accommodations for eighty-two students; (5) Chase Hall, built in 1888, with four rooms for lectures and recitations; (6) the Cricket Shed, built in 1893, for winter practice in this peculiarly Haverfordian sport; (7) Whitall Hall, built in 1896, a mechanical laboratory containing a valuable equipment for working with metals and wood, and a large room for classes in drawing; (8) Lloyd Hall, a dormitory built in 1899, with the most modern



arrangement of rooms, now accommodating sixteen students; (9) the Gymnasium, built in 1900, at an expense of \$50,000, a gift of the Alumni; (10) Roberts Hall, the gift of an interested friend in 1902, containing a large auditorium, the administrative offices, and fire-proof rooms to protect the valuable autograph collection made by the late Charles Roberts; (11) Merion Cottage (formerly occupied by the Haverford College Grammar School) recently adapted as a dormitory for thirty-five students; and (12) a central heating and lighting plant, just completed.

According to the reports from the Treasurer, the productive endowment of the College



The Observatory





Chase Hall  
and Whitall Hall





*"Atque inter silvas Academi quaerere verum"*

amounts to about twelve hundred thousand dollars. There is also a tract of land now on the market which will increase this sum by perhaps a half million dollars. It is thus no longer necessary for the institution to depend on the liberality of its friends to meet its current expenses; though this liberality, which has even increased of late, is still available for improvements of various kinds. Within the past decade the College has been enabled to spend \$250,000 on material improvements. It has received an increase of \$10,000 to the endowment of the professorship of chemistry, a fund of \$25,000





Dining Hall and Lloyd Hall

to establish a fellowship for Haverford graduates in university work, a fund of \$125,000 to maintain courses in philosophical and Biblical study, an increase of scholarship funds of about \$9,000, a fund of \$5,000 for lectures on English literature, a fund of \$1,000 for prizes for essays on the subject of international peace, and it has increased by more than \$40,000 the general endowment fund. Meanwhile the sale of land belonging to the Jacob P. Jones estate has added about \$400,000 to the resources of the College.



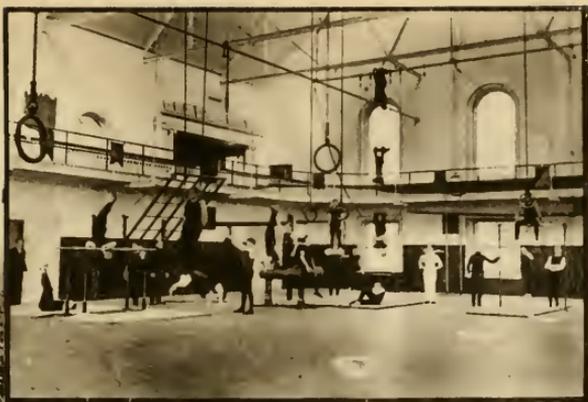
The expenses of a student vary from \$375 to \$575, according to the location of his room. This does not include books, laundry work, or



*"Hae latebrae dulces etiam, si credis, amoenae"*

study room furniture. These charges may be reduced by scholarships, which range in amount from \$100 to \$300, and are given on the ground of excellent work and financial need. Especially to be mentioned are the Corporation scholarships of \$300 each, given to the four applicants





The Gymnasium



for the Freshman class passing the best entrance examination, and tenable for four years if the recipient maintains his standing.

The faculty consists of twenty professors and instructors. They form a harmonious body of scholarly men, all of whom have advanced degrees, and most of whom have received their doctorates from first class universities. The conditions under which they work are peculiarly



Roberts Hall





"Not wholly in the busy world, nor quite  
Beyond it, blooms the garden that I love"

favorable for continued scholarship and for loyal interest in the affairs of the College. Their residences are scattered about the College grounds, or are in the dormitory buildings.

The standard of admission to the College is practically the same as that required by other first class colleges and by the collegiate departments of the large universities. No admission to the Freshmen class can be secured without examination, but the College will accept as a substitute for its own examinations those of the Central Board of Colleges of the Middle States.





The Dining Hall



The College grants two degrees—Bachelor of Arts and Bachelor of Science. The course leading to the degree in Arts permits a large amount of elective study, especially in the last two years. It is possible for a student, interested in any particular subject, to concentrate almost all his energies upon that subject, or the related ones; while he who wishes a broad and general education may so arrange his choice as to secure it. The Science courses are four in number: (1) General Science; (2) Mechanical Engineering; (3) Electricity; (4) Chemistry and Preparatory Medicine. The last three are



View from Tennis Courts





Lloyd Hall





technical courses, but have a larger proportion of general subjects connected with them than is usual in such cases.

The life of the students is thoroughly enjoyable. They take their meals together in one large hall, and live closely associated in the various dormitories; a strong *esprit de corps* consequently pervades the College, and both professors and students secure, during their residence together, a close mutual acquaintance.



A Corner of the Memorial Garden





COPE  
FIELD

Cricket Pavilion



"Together joined in cricket's manly toil"





Cricket Shed for Winter Practice

The principal sports are football in the autumn and winter, and cricket in the spring. In Rugby football the College finds worthy antagonists in a number of neighboring colleges; in the Association game and in cricket it plays matches with several universities each year. The large number of cricket clubs around Philadelphia gives opportunities for other interesting contests; and on three occasions the College eleven has extended its operations into England, and played the great English schools with satisfactory results. In the winter, gymnasium contests are arranged with several colleges, and the students have also a large skating pond as a means of recreation. The spacious modern



WALTON

FIELD





gymnasium, which is not merely a place for feats of strength, but is a club house as well, with reading rooms and other accessories, affords an excellent opportunity for healthful winter exercise. There are several intercollegiate track and field meetings held each year, while tennis courts and golf links also have their devotees. The grounds on a fine spring or autumn day, with students in their outing costumes, engaged in different games amid the beautiful trees and shrubbery, make an attractive picture.



Approach to the Gymnasium

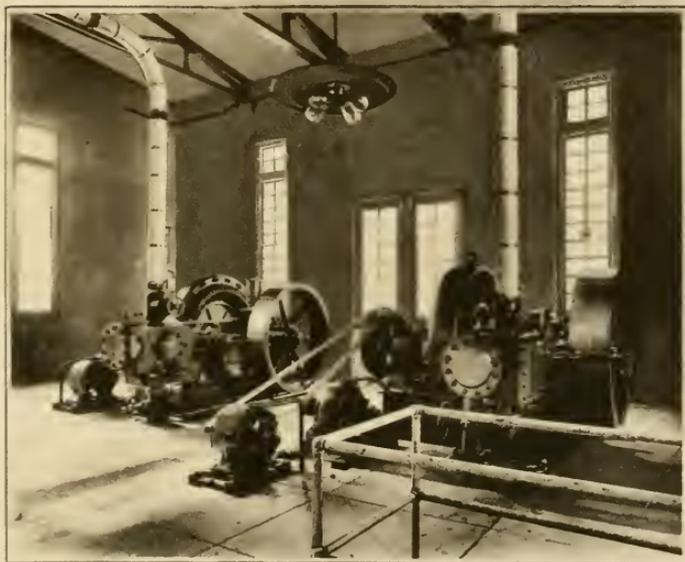




‘Witch-elms that counterchange the floor  
Of this flat lawn with dusk and bright’

In considering the internal conditions of the College, the first natural question would be as to the ideals which govern its students, and their moral and social character. This is partially answered by a reference to the home environment of the students, which is, almost without exception, that of refinement and morality. The initial tendency of the home is strengthened by the traditions of the College and the influence promoted by the faculty. A potent influence is also exerted by the Young Men’s Christian Association, embracing three-fourths of the





Heat, Light and Power Plant  
Engine and Dynamo Room



students, in which members of the faculty have no official part, and which is entirely voluntary in its attendance and independent in its methods. It develops the sense of student responsibility for moral conditions in a way to make the College practically self-governing. The disciplinary requirements are not rigid, the faculty having concluded that a strong spirit of manliness and self-reliance pervading the College is worth more than restrictions of students' liberties.

Every college has its ideal; that of Haverford is to give to a limited number of young men every advantage, physical, intellectual and religious, which a good endowment and a definite sense of responsibility can supply.



Merion Cottage



## FACULTY, 1906-07

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

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Librarian, and Professor of History.

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

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Professor of English and German.

ERNEST WILLIAM BROWN, Sc.D., F.R.S.,  
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Secretary of the College, and Instructor in Drawing.

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Dean, and Associate Professor of Economics.

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

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

ALPHEUS WILSON SMITH, PH.D.,  
Instructor in Physics.

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

RICHARD LUCIUS CARY, A.B.,  
Assistant in the Chemical Laboratory.

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\*Absent 1906-7.





“Laudaturque domus longos quae prospicit agros”







# HAVERFORD COLLEGE BULLETIN

VOL. V

SIXTH MONTH, 1907

No. 4

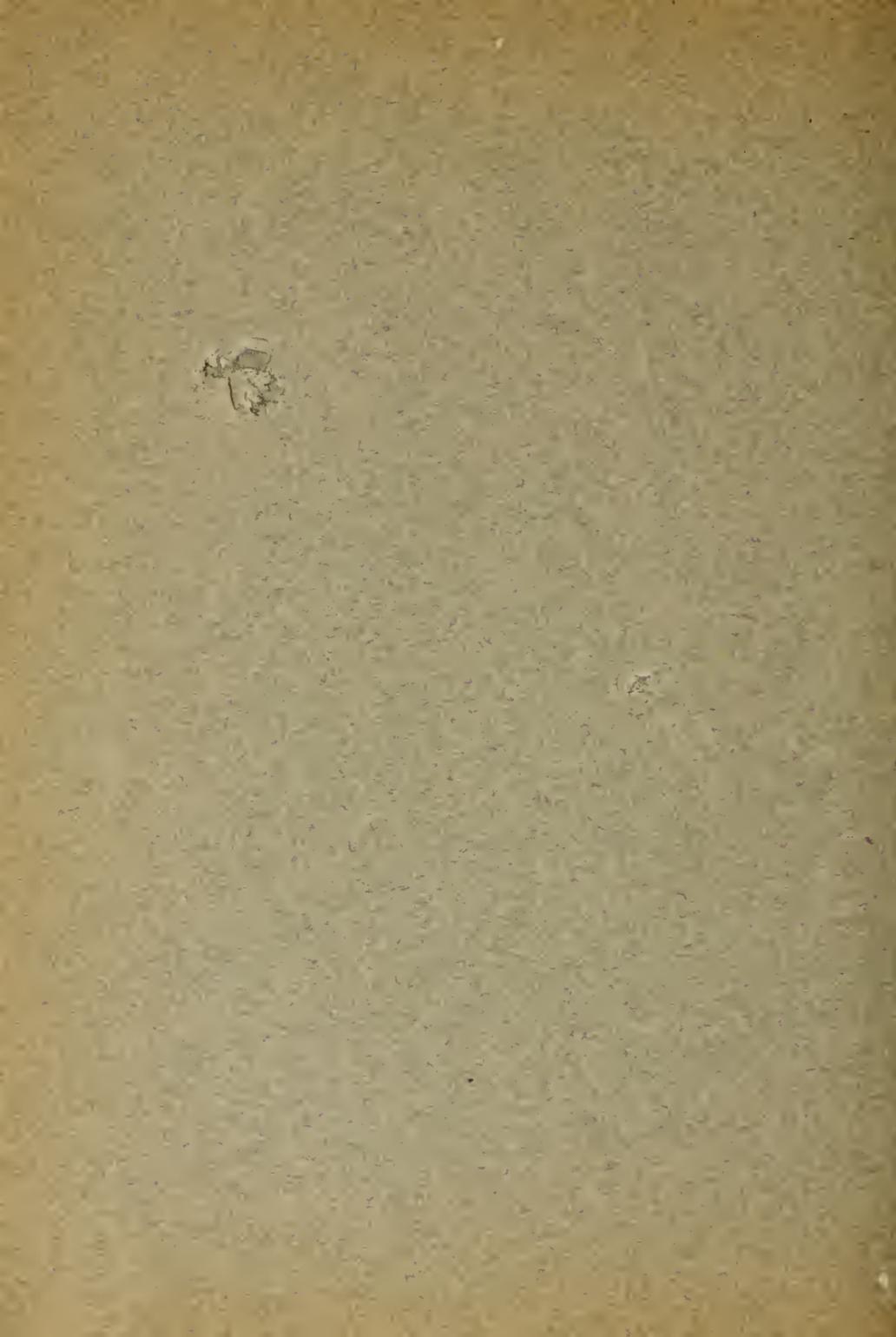
## Athletic Number

1906-1907



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



# Haverford College Athletics



1906 - 1907



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

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

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## INTRODUCTION

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But little need be added to this record of another year in athletics. It is natural that in a series of years certain teams should periodically lack strength, and the cricket material of 1907, necessary to maintain the uniform standard of recent years, was not available. This, however, encourages to renewed effort and will prove but temporary loss.

The College has been well represented on field and in gymnasium and adds another year to her general credit in the collegiate world.

Thanks are due Mr. Wilbur Haines for assistance in compilation, and to H. B. Rolfe for photographs.

JAMES A. BABBITT.

Haverford College, June 12, 1907.

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C. K. DRINKER

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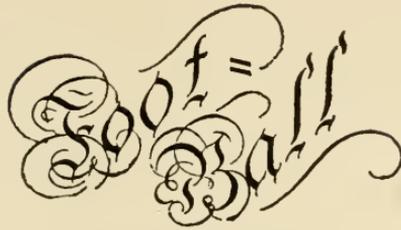
## Athletic Association

F. D. GODLEY, '07—*President*

J. B. CLEMENT, '08—*Vice-President*

M. H. C. SPIERS, '09—*Secretary*

C. J. RHOADS, '93—*Treasurer*



— SEASON —

Foot Ball Department

P. W. BROWN, '07—*Chairman*

G. K. STRODE, '08—*Vice-Chairman*

M. H. MARCH, '07—*Manager*

C. K. DRINKER, '08—*Asst. Manager*

E. F. JONES, '07—*Captain*

H. N. THORN, '04—*Head Coach*

A. H. HOPKINS—*Field Coach*

Haverford College Foot Ball Team

New York University Game

E. F. JONES, '07 (Captain)	.....	<i>Right Half Back</i>
G. H. WOOD, '07	.....	<i>Left Guard</i>
J. C. BIRDSALL, '07	.....	<i>Right Guard</i>
W. H. HAINES, '07	.....	<i>Quarter Back</i>
J. P. MAGILL, '07	.....	<i>Left End</i>
C. T. BROWN, '08	.....	<i>Full Back</i>
A. C. LEONARD, '08	.....	<i>Right End</i>
G. S. BARD, '09	.....	<i>Left Half Back</i>
F. M. RAMSEY, '09	.....	<i>Right Tackle</i>
R. A. SPAETH, '09	.....	<i>Center</i>
O. M. FROST, '10	.....	<i>Left Tackle</i>

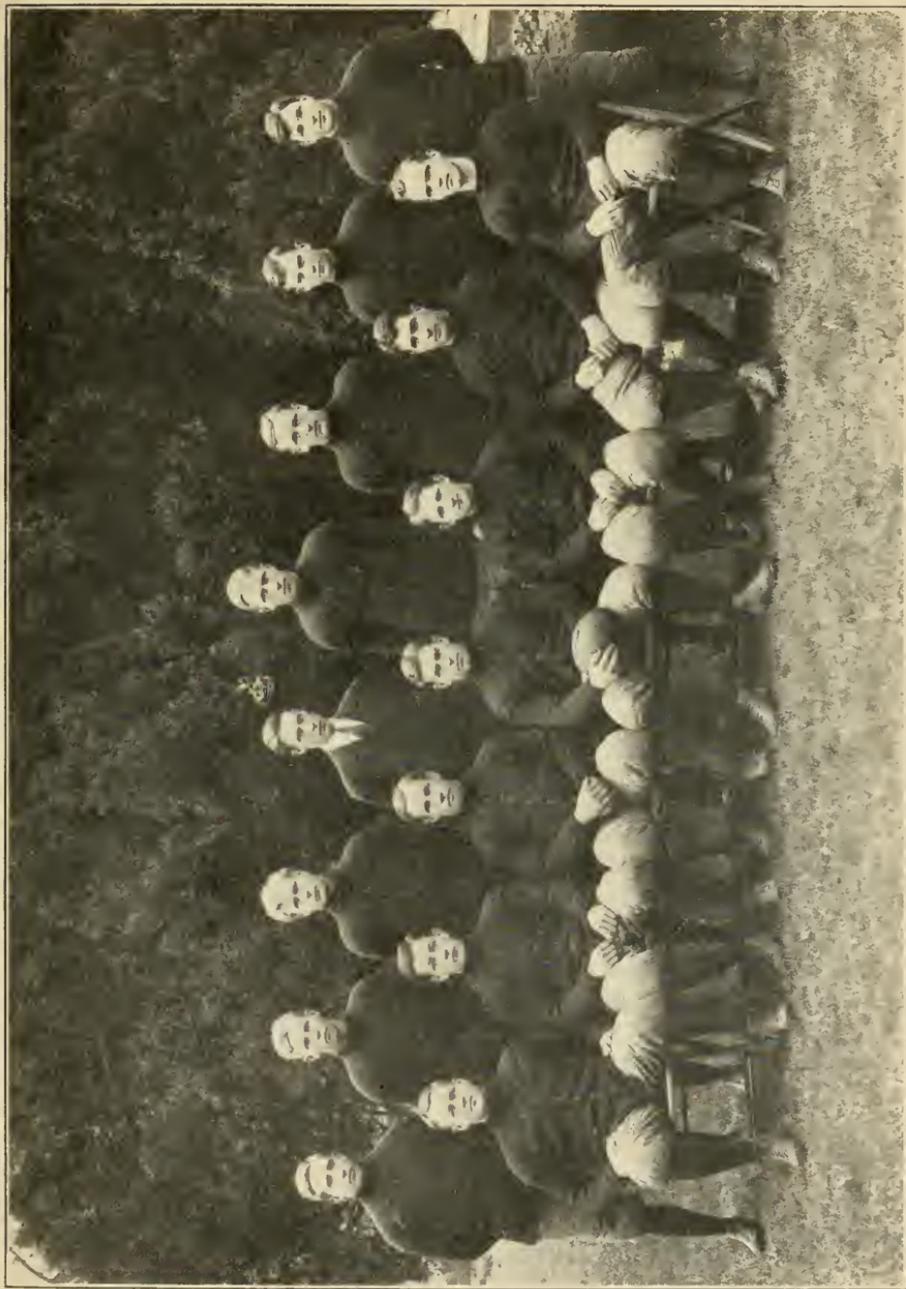
## Foot Ball Season 1906

### Games Played, with Scores

Haverford.....	4	Medico-Chi .....	0	(at home)
Haverford.....	5	Lehigh .....	0	(away)
Haverford.....	0	Rutgers .....	0	(at home)
Haverford.....	23	Ursinus .....	16	(at home)
Haverford.....	4	Franklin and Marshall .....	0	(away)
Haverford.....	23	Johns Hopkins .....	0	(at home)
Haverford.....	0	Trinity .....	0	(away)
Haverford.....	68	New York University.....	0	(at home)
Total .....		127		Total .....
				16

## Statistics of Foot Ball Team

	<i>Age.</i>	<i>Height.</i>	<i>Wght.</i>
E. F. JONES, '07 (Capt.) <i>Right Half Back</i> .....	23.	.5 ft. 9 in.	.163
G. H. WOOD, '07, <i>Left Guard</i> .....	23.	.5 ft. 11 in.	.178½
J. C. BIRDSALL, '07, <i>Right Guard</i> .....	23.	.6 ft. ....	.169
W. H. HAINES, '07, <i>Quarter Back</i> .....	23.	.5 ft. 6 in.	.148
J. P. MAGILL, '07, <i>Left End</i> .....	21.	.5 ft. 7 in.	.145
C. T. BROWN, '08, <i>Full Back</i> .....	19.	.5 ft. 10½ in.	.163
A. C. LEONARD, '08, <i>Right End</i> .....	21.	.5 ft. 4½ in.	.135
G. S. BARD, '09, <i>Left Half Back</i> .....	19.	.5 ft. 7 in.	.158
F. M. RAMSEY, '09, <i>Right Tackle</i> .....	21.	.5 ft. 9 in.	.160
R. A. SPAETH, '09, <i>Center</i> .....	19.	.5 ft. 10 in.	.153
O. M. FROST, '10, <i>Left Tackle</i> .....	23.	.5 ft. 9 in.	.138
P. W. BROWN, '07, <i>Sub. Quarter Back</i> ....	21.	.5 ft. 8 in.	.146
T. K. SHARPLESS, '09, <i>Sub. Right End</i> .....	19.	.5 ft. 9 in.	.138



Haverford College Football Team, 1906-7.



**Foot Ball H's were awarded to the following :**

E. F. JONES, '07	G. S. BARD, '09
G. H. WOOD, '07	F. M. RAMSEY, '09
J. C. BIRDSALL, '07	R. A. SPAETH, '09
W. H. HAINES, '07	O. M. FROST, '10
J. P. MAGILL, '07	P. W. BROWN, '07
C. T. BROWN, '08	A. E. BROWN, '07
A. C. LEONARD, '08	T. K. SHARPLESS, '09

No Scrub H's awarded.

**Individual Points Scored**

<i>Touchdowns.</i>		<i>Goals.</i>	
E. F. JONES.....	40	W. H. HAINES .....	4
C. T. BROWN .....	40	C. T. BROWN .....	8
G. S. BARD .....	10	A. HUTTON .....	1
A. HUTTON .....	10		
G. H. WOOD .....	5	<i>Goals from Field.</i>	
		W. H. HAINES .....	4
		C. T. BROWN .....	8

**Interclass Foot Ball Games**

Sophomores .....	0	Freshmen .....	0
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## Association Foot Ball, 1906-07

P. W. BROWN, '07—*Chairman*

C. K. DRINKER, '08—*Vice-Chairman*

E. R. TATNALL, '07—*Manager*

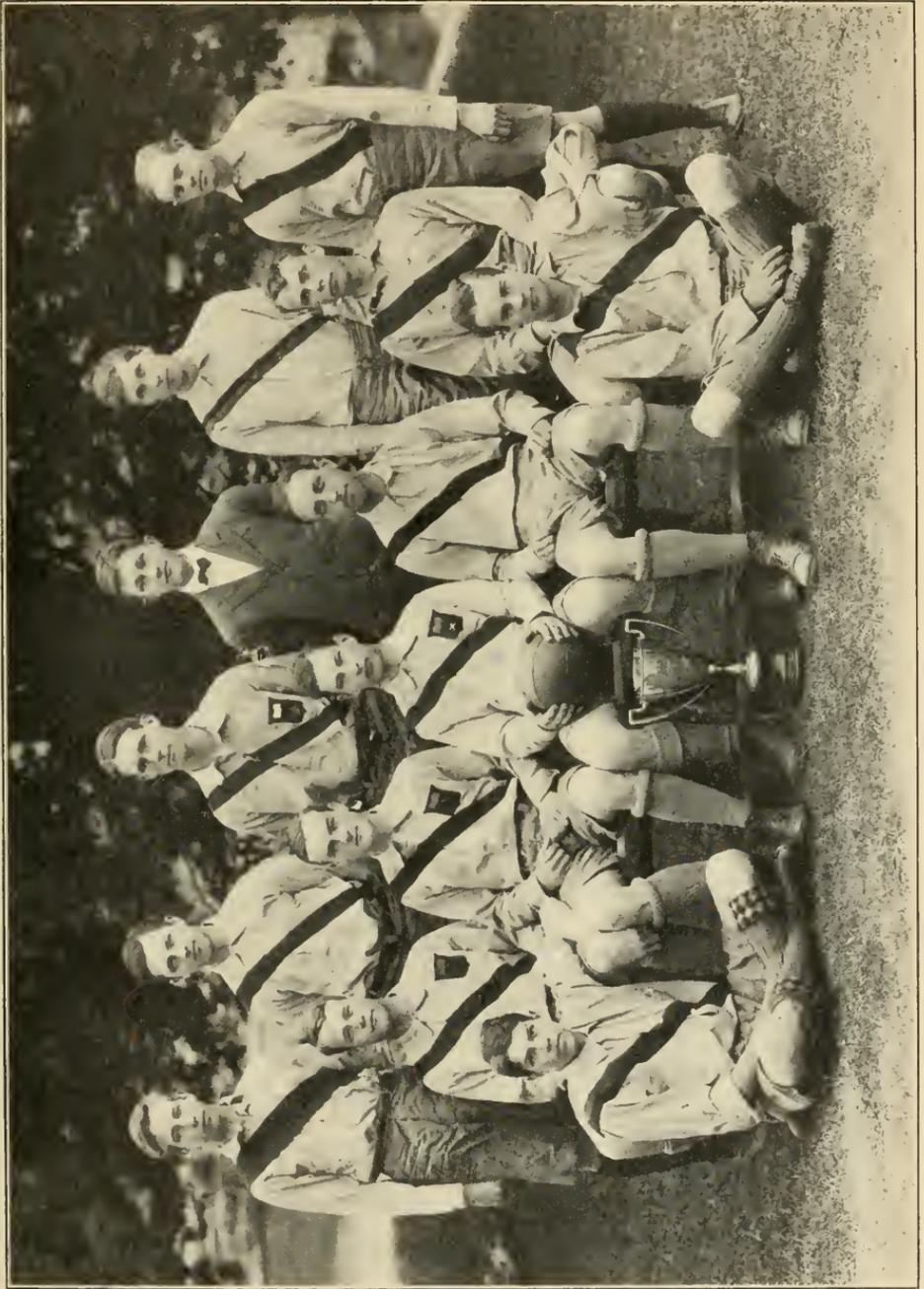
J. B. CLEMENT, '08—*Asst. Manager*

W. R. ROSSMAESSLER, '07—*Captain*

### Games Played, with Scores

Haverford	0	Belmont C. C.	4
Haverford	2	Cornell	1
Haverford	0	Boys' Club of New York	5
Haverford	1	Merion C. C.	2
Haverford	1	Germantown C. C.	4
Haverford	2	Harvard	1
Haverford	1	P. & R. Y. M. C. A.	6
Haverford	10	Philadelphia C. C.	0
Haverford	0	Univ. of Pennsylvania	0
Haverford	4	Merion C. C.	3
Columbia	forfeited		
Princeton	cancelled		
Haverford	5	Belmont	0
Haverford	0	Mt. Washington	1

There were 3 teams playing during the season. All met with fair success.



Haverford College Association Football Team, 1906-7.



## Association Foot Ball

### Haverford vs. Cornell

HAVERFORD.	<i>Positions.</i>	CORNELL.
Strode	Outside left	Chryssidy
Furness	Inside left	Sarmiento
Baker	Center forward	McDonald
Shoemaker	Inside right	Delcasse
Bushnell	Outside right	Bylevett
Windle	Left half-back	Wilson
Rossmuessler	Center half-back	Dragoshinoff
Drinker	Right half-back	Molevsky
Godley	Left full-back	Sampaio
C. Brown	Right full-back	De Bye
Warner	Goal	Wood

Referee—Bishop. Linesmen—Gummere, Smith. Goals—Baker, 2; McDonald. Time of halves—35 minutes.

### Haverford vs. Harvard

HAVERFORD.	<i>Positions.</i>	HARVARD.
A. N. Warner	Guard	F. V. Malim
C. T. Brown	Right full-back	T. Thackera
F. D. Godley	Left full-back	W. H. Kidder
C. K. Drinker	Right half-back	P. Brooks
W. R. Rossmuessler	Center half-back	W. Reggio
W. B. Windle	Left half-back	L. A. Bird
J. Bushnell	Right outside	W. A. Forbush
H. Furness	Right inside	A. N. Reggio
P. T. Baker	Center	P. Osborne
W. R. Shoemaker	Left inside	L. B. Robinson
G. K. Strode	Left outside	G. Biddle

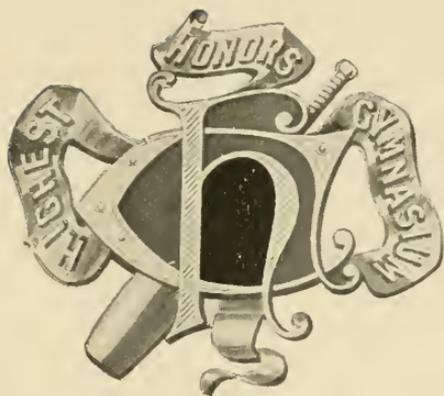
Referee—J. H. Fairfax-Lucy. Linesmen—F. Leelan, Harvard; A. Leelan, Haverford. Goals—Haverford, Baker, 2. Harvard, A. N. Reggio. Time of halves—25 minutes.

## Association Foot Ball

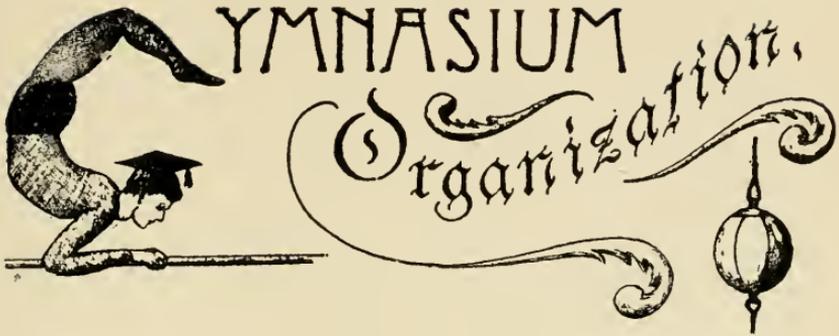
### Haverford vs. Pennsylvania

HAVERFORD.	<i>Positions.</i>	PENNSYLVANIA.
Strode .....	Outside left .....	Shoemaker
Furness .....	Inside left.....	H. Morris
Baker .....	Center forward.....	Widdows
Shoemaker .....	Inside right.....	Pepper
Bushnell .....	Outside right.....	A. Montgomery
Windle .....	Left half-back.....	R. Wood
Rossmassler .....	Center half-back.....	Shopbach
Drinker .....	Right half-back.....	Ewing
Kurtz .....	Left full-back.....	Keating
C. Brown .....	Right full-back.....	Goodfellow
Warner .....	Guard.....	Bricker

Referee—Bishop. Linesmen—Pleasants, U. of Pa.; Godley, Haverford. Time of halves—30 minutes. No scores.







Haverford College Gymnasium Team, 1906-07

J. BUSHNELL, 3D, '08, *Captain*

F. BAILEY, '08

C. T. BROWN, '08

H. BURTT, '08

E. A. EDWARDS, '08

A. C. LEONARD, '08

C. F. SCOTT, '08

E. SHOEMAKER, '09

R. SPAETH, '09

S. MASON, '10

J. PHILIPS, '10

W. R. ROSSMAESSLER, *Manager*

## Interclass Gymnastic Contest

December 12, 1906

Results:

FLYING RINGS—First, Edwards, '08; second, Mott, '09; third, Baily, '08.

‡SIDE HORSE—First, Burt, '08; second, Lewis, '09; third, Phillips, '10.

HORIZONTAL BAR—First, Edwards, '08; second, Bushnell, '08; third, Spaeth, '09.

PARALLEL BARS—First, Edwards, '08; second, Brown, '08; third, Mason, '10.

TUMBLING—First, Leonard, '08; second, Bushnell, '08; third, Mason, '10.

ROPE CLIMB—First, Mason, '10; second, Bard, '09; third, Roberts, '10.

FENCE VAULT—First, Burt, '08; second, Edwards, '08; third, Warnock, '09.

SIDE HORSE (novice)—First, David, '10; second, Drinker, '08; third, Judkins, '10.

FLYING RINGS (novice)—First, Fay, '09; second, Kenderdine, '10; third, Martin, '10.

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

The banner presented by '97 was won by '08.

# Quadrangular Exhibition

January 19, 1907

## PART I.

### HORIZONTAL BAR.

H. S. Shoonmaker, J. A. Voskamp.....	COLUMBIA
F. Bradford, E. E. Krauss .....	UNIV. OF PENNSYLVANIA
McCabe, Dowd .....	PRINCETON
J. Bushnell, 3d. E. A. Edwards, R. A. Spaeth....	HAVERFORD

### SIDE HORSE.

E. D. Bryde, H. S. Schoonmaker .....	COLUMBIA
F. Lutton, E. Krauss.....	UNIV. OF PENNSYLVANIA
Krause .....	PRINCETON
R. L. Cary, H. Burt, T. K. Lewis, J. R. Phillips..	HAVERFORD

### CLUB SWINGING.

F. Bradford .....	UNIV. OF PENNSYLVANIA
Cooper .....	PRINCETON
C. F. Scott, F. A. Myers, E. Shoemaker.....	HAVERFORD

### SPECIAL TUMBLING.

Bushnell, Brown, Leonard, Bard .....	HAVERFORD
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## PART II.

## Haverford College Mandolin Club.

## BALANCING TRAPEZE.

Vezin ..... PRINCETON

## PARALLEL BARS.

Schoonmaker, M. Thomson ..... COLUMBIA

G. Spaulding, E. Krauss ..... UNIV. OF PENNSYLVANIA

McCabe, Dowd ..... PRINCETON

C. T. Brown, E. A. Edwards, S. Mason..... HAVERFORD

## FLYING RINGS.

P. J. McCulloch, W. H. Runk, J. A. Voskamp ..... COLUMBIA

Bradford, H. Levy ..... UNIV. OF PENNSYLVANIA

McCabe, Dowd ..... PRINCETON

E. A. Edwards, F. C. Bailey, R. Mott..... HAVERFORD

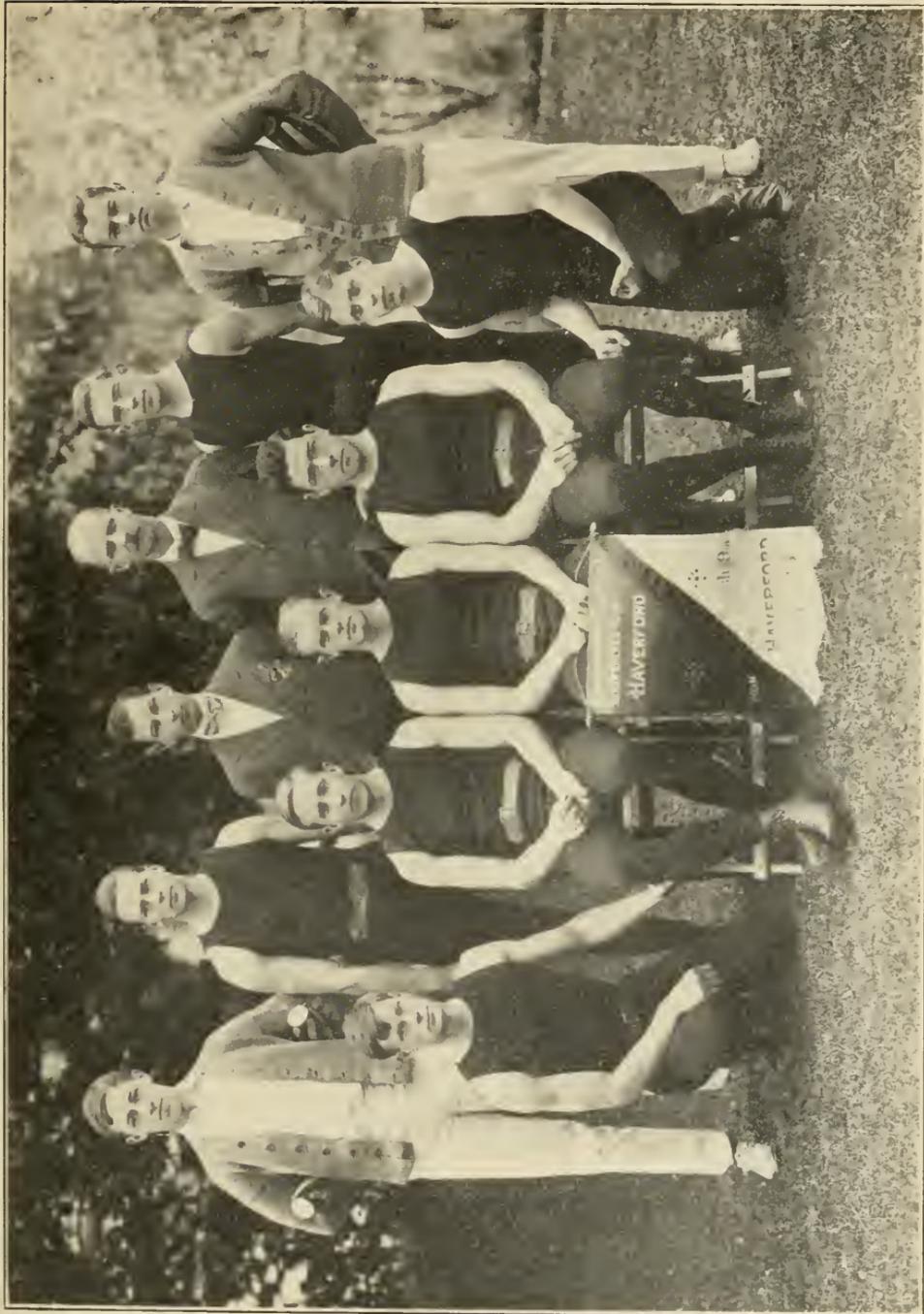
## TUMBLING.

G. Spaulding ..... UNIV. OF PENNSYLVANIA

McCabe, Dowd ..... PRINCETON

J. Bushnell, A. C. Leonard ..... HAVERFORD

Announcer—G. K. Strode.



Haverford College Gymnasium Team, 1906-7.



## Gymnastic Contest

Haverford vs. Lehigh

March 9, 1907

Results:

HORIZONTAL BAR—First, Bushnell, Haverford; second, Gaston, Lehigh.

SIDE HORSE—First, Young, Lehigh; second, Phillips, Haverford.

CLUBS—Tie, Shoemaker, Haverford, and Frankenfield, Lehigh.

PARALLEL BARS—First, Brown, Haverford; second, Trembly, Lehigh.

FLYING RINGS—First, Scott, Lehigh; second, Moore, Lehigh.

TUMBLING—First, Bushnell, Haverford; second, Leonard, Haverford.

The judges of the meet were Dr. H. L. Chadwick and Charles W. Mayer.

Announcer—G. K. Strobe, '08.

Total points—Haverford, 25; Lehigh, 23.

## Gymnastic Contest

### Pennsylvania vs. Haverford

March 16, 1906

Results:

HORIZONTAL BAR—First, Krauss, Pennsylvania; second, Bushnell, Haverford.

SIDE HORSE—First, Boyce, Pennsylvania; second, Lawton, Pennsylvania.

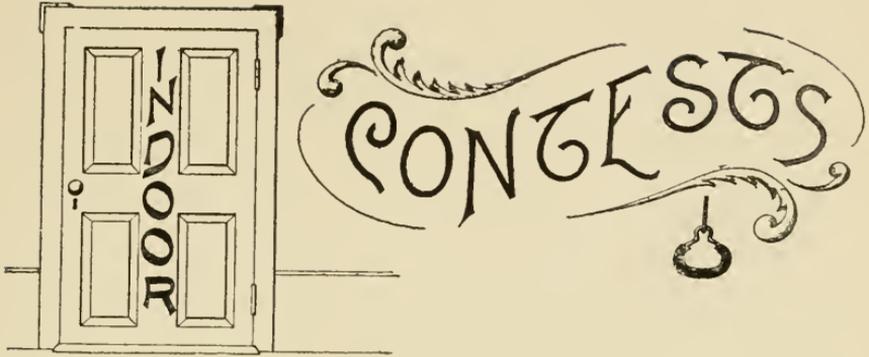
CLUBS—First, Shoemaker, Haverford; second, Bradford, Pennsylvania.

PARALLEL BARS—First, Krauss, Pennsylvania; second, Brown, Haverford.

FLYING RINGS—Tie, Edwards, Haverford, and Bradford, Pennsylvania.

TUMBLING—First, Bushnell, Haverford; second, Leonard, Haverford.

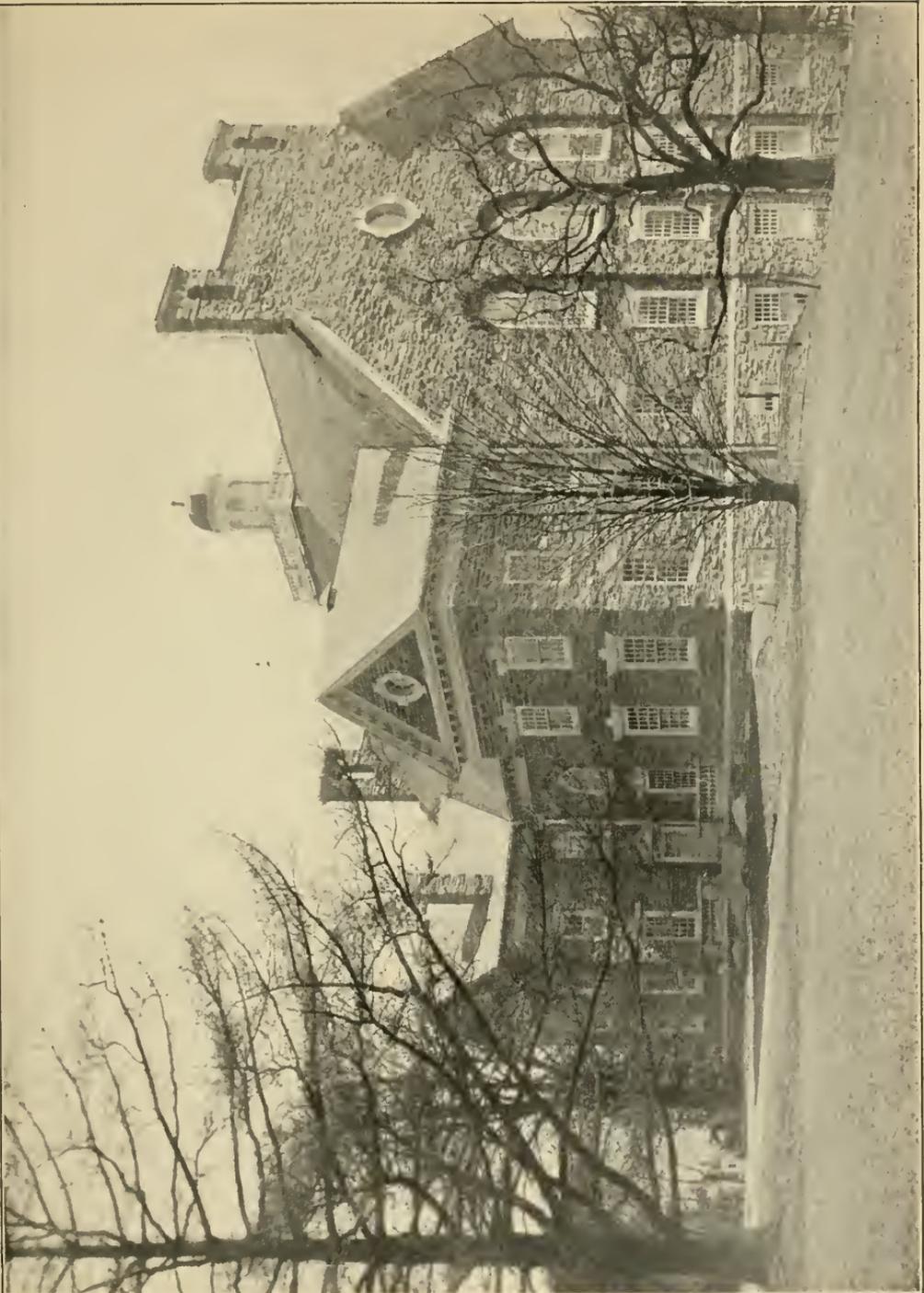
Total points—Pennsylvania, 25; Haverford, 23.



## 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.....	6 ft. 6 in.
High Kick .....	J. W. Reeder, 1902.....	9 ft. 6 in.
Putting Shot .....	W. 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 .....	H. H. Jenks, 1900.....	5 ft. 5 in.







## Annual Interscholastic Gymnastic and Athletic Meeting

The Sixth Annual Interscholastic Indoor Athletic and Gymnastic Meeting was held in the Haverford College Gymnasium on the evening of February 16, 1907. There were one hundred and twenty-two entries, representing sixteen schools in Philadelphia and its vicinity.

The summary is as follows:

220-YARD DASH—Won by Hough, George School; no time taken; second, Hobson, Central High School; third, Allen, St. Luke's.

HIGH JUMP—Won by Burdick, Penn Charter; height, 5 feet 4 inches; second, tie at 5 feet 3 inches, among Lane, Central High; Lenny, De Lancey; Cantrell, Penn Charter.

HORIZONTAL BAR—Won by Fisher, Episcopal; second, Douglass, Lawrenceville; third, Graham, Episcopal.

SHOT-PUT—Won by Guetter, Penn Charter, 41 feet 4 inches; second, Szlupas, Central High, 38 feet 6½ inches; third, White, Lawrenceville, 38 feet.

PARALLEL BARS—Won by Fennessey, Lawrenceville; second, Leonards, Central High; third, Coyle, Lawrenceville.

CLUB SWINGING—Won by Lewis, Episcopal; second, Leonards, Central High; third, tie between Ross, of Haverford, and Bunn, of Lawrenceville.

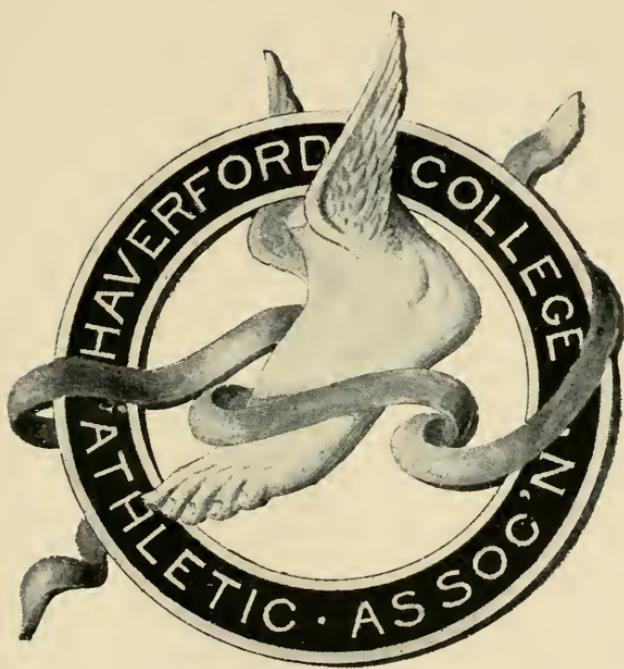
TUMBLING—Won by Woll, of Central High; second, Meade, of Episcopal; third, Stauffer, of Episcopal.

FLYING RINGS—Won by Erben, Episcopal; second, Leonards, Central High; third, Fritz, of Haverford.

SIDE HORSE—Won by Coyle, Lawrenceville; second, Leonards, Central High; third, Lewis, Episcopal.

20-YARD DASH—Won by French, of Haverford; second, Christine, Penn Charter; third, Lenhart, Brown Prep.

The officials of the Meet were as follows: Judges, Dr. J. A. Babbitt, Chairman—Gymnastic: Dr. J. Leonard Mason, Dr. H. L. Chadwick, Dr. H. H. Jenks, Mr. E. C. Rossmassler, Mr. J. Bushnell, 3d; Athletic: Mr. H. Norman Thorn, Mr. J. D. Philips, Mr. H. W. Dougliten, Jr., Mr. H. Pleasants, Jr., Mr. E. C. Tatnall. Manager—W. R. Rossmassler. Marshals—H. M. March, Chief Marshal; F. D. Godley, S. J. Gummere, E. R. Tatnall, W. R. Shoemaker, W. Sargent, Jr., J. B. Clement, Jr., A. DeG. Warnock, M. K. Spiers. Announcer—G. K. Strode. Clerk of Course—C. K. Drinker.





**Sophomore-Freshman Athletic Contest**

**October 15, 1906**

These sports were won by the Freshman Class, with score of 44 to 27 points.

100-YARD DASH—First, Frost, '10; second, Roberts, '10; third, Palmer, '10. Time, 11 1-5 seconds.

HALF-MILE RUN—First, Langsdorf, '10; second, Baker, '10; third, Thompson, '09. Time, 2 minutes 10 3-5 seconds.

220-YARD DASH—First, Roberts, '10; second, Palmer, '10; third, Warnock, '09. Time, 26 seconds.

SHOT-PUT—First, Ramsey, '09; second, Green, '09; third, Schultz, '10. Distance, 32 feet 3 inches.

120-YARD HURDLES—First, Bard, '09; second, Cary, '10. Time, 19 4-5 seconds.

HIGH JUMP—First, Judkins, '10; second, Spiers, '09; third, Bard, '09. Height, 4 ft. 11 inches.

440-YARD DASH—First, Langsdorf, '10; second, Warnock, '09; third, Mott, '09. Time, 54 1-5 seconds.

BROAD JUMP—First, Langsdorf, '10; second, Bard, '09; third, Spiers, '09. Distance, 18 feet 5½ inches.

**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

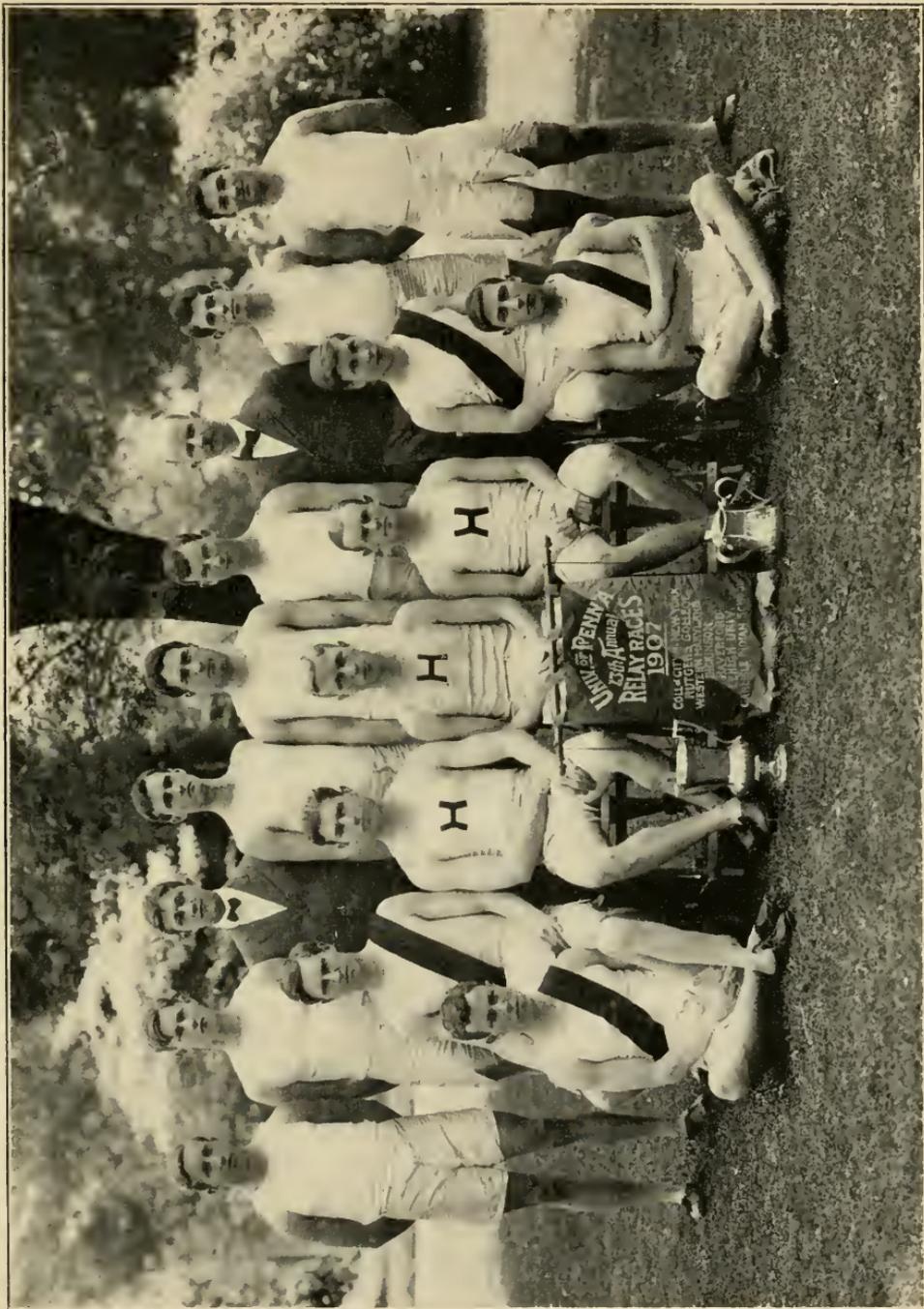
## The Nineteenth Annual Interclass Spring Athletic Meeting

Won by 1910

### Summary :

- 100-YARD DASH—First, Palmer, '10; second, Wilson, '10; third, Magill, '07. Time, 10 2-5 seconds.
- 220-YARD DASH—First, Palmer, '10; second, Langsdorf, '10; third, Magill, '07. Time, 23 2-5 seconds.
- QUARTER-MILE—First, Langsdorf, '10; second, Palmer, '10; third, Roberts, '10. Time, 53 3-5 seconds.
- HALF-MILE—First, Langsdorf, '10; second, Roberts, '10; third, Hill, '08. Time, 2 minutes 10 seconds.
- MILE—First, Williams, '09; second, Morris, '10; third, Hill, '08. Time, 5 minutes 3 seconds.
- TWO-MILE—First, Baker, '10; second, Williams, '09; third, Morris, '10. Time, 11 minutes 2 seconds.
- 220 HURDLES—First, Shultz, '10; second, Palmer, '10; third, Bushnell, '08. Time, 30 1-5 seconds.
- 120 HURDLES—First, Bushnell, '08, and Bard, '09; third, Carey, '10. Time, 18 seconds.
- HIGH JUMP—First, Carey, '10; second, Bard, '09; third, Froelicher, '10. Height, 5 feet 1¾ inches.
- BROAD JUMP—First, Bard, '09; second, Shultz, '10; third, Frutchey, '10. Length, 19 feet 10¾ inches.
- POLE VAULT—First, Leonard, '08; Bard, '09; third, Bushnell, '08. Height, 10 feet ½ inch.
- SHOT-PUT—First, Birdsall, '07; second, Jones, '07; third, Shultz, '10. Distance, 34 feet 1½ inches.
- DISCUS THROW—First, Shultz; second, Jones; third, Wood. Distance, 90 feet 11 inches.

Score of Interclass Track Sports: 1907, 14 points; 1908, 12 points; 1909, 24 points; 1910, 67 points.



Haverford College Track Team, 1906-7.



**Haverford-Wesleyan Track Meet****May 4, 1907**

120-YARD HURDLES—Won by Bacon, Wesleyan; second, Bushnell, Haverford. Time, 17 seconds.

HALF-MILE RUN—Won by Gray, Wesleyan; second, Langsdorf, Haverford. Time, 2 minutes 7 seconds.

100-YARD DASH—Won by Palmer, Haverford; second, McCormick, Wesleyan. Time, 11 2-5 seconds.

TWO-MILE RUN—Won by Williams, Haverford; second, Morris, Haverford. Time, 11 minutes 3 seconds.

220-YARD DASH—Won by Palmer, Haverford; second, McCormick, Wesleyan. Time, 24 seconds.

220-YARD HURDLES—Won by Kent, Wesleyan; second, Schultz, Haverford. Time, 28 3-5 seconds.

ONE-MILE RUN—Won by Baker, Haverford; second, Tatnall, Haverford. Time, 4 minutes 54 seconds.

440-YARD DASH—Won by Palmer, Haverford; second, Bacon, Wesleyan. Time, 52 3-5 seconds.

HIGH JUMP—Won by Bard, Haverford; second, tie between Kent, Wesleyan, and Carey, Haverford. Height, 5 feet 1½ inches.

POLE VAULT—Won by Leonard, Haverford; second, Bushnell, Haverford. Height, 10 feet 4 inches.

BROAD JUMP—Won by Finley, Wesleyan; second, Kent, Wesleyan. Distance, 20 feet 2½ inches.

DISCUS THROW—Won by Jones, Haverford; second, Woodhead, Wesleyan. Distance, 96 feet 2 inches.

SHOT PUT—Won by Jones, Haverford; second, Birdsall, Haverford. Distance, 36 feet 1 inch.

HAMMER THROW—Won by North, Wesleyan; second, Jones, Haverford. Distance, 115 feet 11 inches.

POINTS—Haverford, 70½; Wesleyan, 41½.

## Track Team, 1907

E. C. TATNALL, '07—*Captain*

J. C. BIRDSALL, '07

E. F. JONES, '07

J. BUSHNELL, 3D, '08

A. C. LEONARD, '08

G. BARD, '09

F. M. RAMSEY, '09

L. G. WILLIAMS, '09

P. J. BAKER, '10

D. CARY, '10

J. M. LANGSDORF, '10

R. H. MORRIS, '10

W. PALMER, '10

A. S. ROBERTS, '10

W. D. SCHULTZ, '10

E. R. TATNALL—*Manager*

## Relay Carnival, Franklin Field

April 27, 1907

## Team

PALMER, '10

ROBERTS, '10

BAKER, '10

LANGSDORF, '10

Substitutes,

WARNOCK, '09

TATNALL, '07—*Captain*

Won first place in one-mile relay. Time, 3 minutes 33 seconds.

*Colleges Represented.*

RUTGERS

COLLEGE OF CITY OF NEW YORK

WESTERN MARYLAND COLLEGE

LEHIGH

DICKINSON

CARLISLE

In the Intercollegiate Contest, Baker, 1910, won fifth place in the Mile Run. Time, 4.23.

# Athletic Contest

## Haverford vs. Lehigh

May 8, 1907

ONE-MILE RUN—Won by Baker, Haverford; second, McQueen, Lehigh. Time, 4 minutes 35 seconds.

440-YARD DASH—Won by Palmer, Haverford; second, Langsdorf, Haverford. Time, 54 seconds.

120-YARD HURDLES—Won by Aman, Lehigh; second, Bard, Haverford. Time, 16 4-5 seconds.

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

TWO-MILE RUN—Won by Morris, Haverford; second, Williams, Haverford. Time, 10 minutes 48 seconds.

HALF-MILE RUN—Won by Langsdorf, Haverford; second, Smith, Lehigh. Time, 2 minutes 6 seconds.

220-YARD HURDLES—Won by Aman, Lehigh; second, Shultz, Haverford. Time, 29 seconds.

220-YARD DASH—Won by Palmer, Haverford; second, McNally, Lehigh. Time, 23 2-5 seconds.

HIGH JUMP—Won by Reiley, Lehigh; second, Bard, Haverford. Height, 5 feet 4½ inches.

POLE VAULT—Won by Leonard, Haverford; second, Bushnell, Haverford. Height, 10 feet 2 inches.

BROAD JUMP—Won by Desh, Lehigh; second, ———, Lehigh. Distance, 20 feet 8 inches.

SHOT PUT—Won by Sheridan, Lehigh; second, Jones, Haverford. Distance, 38 feet 1 inch.

HAMMER THROW—Won by Jones, Haverford; second, Ramsey, Haverford. Distance, 98 feet 8 inches.

SCORE—Haverford, 64; Lehigh, 40.



<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. W. Hall, '02.....	23 sec.	1899
	W. Palmer, '10.....	23 sec.	1907
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. 25 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 1/2 in.	1907



INTERIOR OF THE GYMNASIUM ON JUNIOR DAY.



## Intercollegiate Games, I. C. A. A. A. A.

## Haverford Points

E. B. Conklin, '99—Tied fourth place, Running High Jump, 1899— $\frac{1}{2}$  point.

E. C. Tatnall, '07—Third place, Mile Run, 1904—2 points.

T. K. Brown, Jr., '06—Fourth place, 120-yd. Hurdles, 1905—1 point.

## Haverford vs. New York University

May 18, 1907

120-YARD HURDLES—First, Sullivan, N. Y. U.; second, J. Bushnell, 3d, Haverford. Time, 16 4-5 seconds.

880-YARD DASH—First, Roberts, Haverford; second, Langsdorf, Haverford. Time, 2 minutes 8 seconds.

100-YARD DASH—First, Sullivan, N. Y. U.; second, Palmer, Haverford. Time, 10 1-5 seconds.

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

220-YARD HURDLES—First, Johnson, N. Y. U.; second, Brown, N. Y. U. Time, 28 1-5 seconds.

220-YARD DASH—First, Palmer, Haverford; second, Sullivan, N. Y. U. Time, 23 seconds.

TWO-MILE RUN—First, Williams, Haverford; second, Smith, N. Y. U. Time, 10 minutes 53 seconds.

440-YARD DASH—First, Langsdorf, Haverford; second, Palmer, Haverford. Time, 52 4-5 seconds.

HIGH JUMP—First, Perry, N. Y. U.; second, Bard, Haverford. Height, 5 feet 5 inches.

SHOT PUT—First, Jones, Haverford; second, Swartz, N. Y. U. Distance, 35 feet 7 inches.

DISCUS THROW—First, Sullivan, N. Y. U.; second, Jones, Haverford. Distance, 100 feet 5 inches.

POLE VAULT—First, Bard, Haverford; second, Leonard, Haverford. Height, 10 feet 6 $\frac{1}{2}$  inches.

HAMMER THROW—First, Jones, Haverford; second, Brown, N. Y. U. Distance, 121 feet 1 inch.

BROAD JUMP—First, Butler, N. Y. U.; second, Jones, Haverford. Distance, 20 feet 5 $\frac{1}{2}$  inches.

POINTS SCORED—Haverford, 64; N. Y. U., 48.

## The Tennis Season

The Fall Tennis Tournament—Finals, Miller, '08; Evans, '07.

### Fall Intercollegiate Meet

#### *First Round.*

Linen, Williams, defeated P. Brown, Haverford, 6-4, 6-1.

Abbott, Williams, defeated Bartley, Haverford, 6-0, 6-1.

Miller, Haverford, defeated Columbia entry by default.

Drennen, Cornell, defeated A. E. Brown, Haverford, 3-6, 6-2, 7-5.

#### *Second Round.*

Register, U of P., defeated Miller, Haverford, 6-4, 6-1.

### Spring Intercollegiate Meet

#### *Singles.*

P. Brown, Haverford, defeated Beamsderfer, Franklin and Marshall, 6-4, 4-6, 6-2.

Baily, Haverford, defeated Schaeffer, Franklin and Marshall, 4-6, 6-3, 6-1.

#### *Doubles.*

Beamsderfer and Watt, Franklin and Marshall, defeated Rossmassler and Baily, Haverford, 6-0, 3-6, 7-5, 6-2.

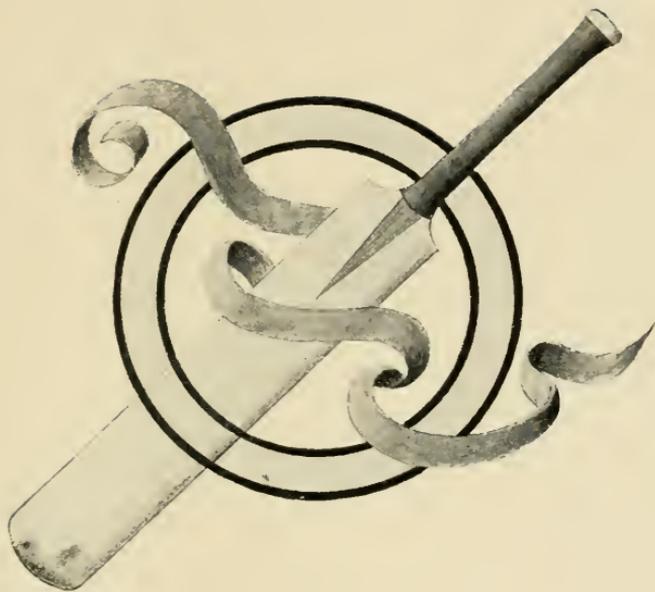
#### *Singles.*

A. E. Brown, Haverford, defeated Deitrick, Swarthmore, 6-3, 7-9, 6-3.

Miller, Haverford, defeated Wetter, Swarthmore, 3-6, 9-7, 6-2.

#### *Doubles.*

Evans and Baily, Haverford, defeated Wetter and Deitrick, Swarthmore, 6-3, 9-7, 6-0.





## Cricket Department

A. E. BROWN, '07, *Chairman*

E. A. EDWARDS, '08, *Vice-Chairman*

C. K. DRINKER, '08, *Asst. Mgr. and Sec.*

F. D. GODLEY, '07, *Captain*

J. W. NICHOLSON, JR., '07, *Manager*

### Ground Committee

A. E. BROWN, '07

J. P. MAGILL, '07

F. D. GODLEY, '07

J. B. CLEMENT, '08

C. K. DRINKER, '08

### First Eleven

F. D. Godley (Capt.), '07

J. B. Clement, '08

J. P. Magill, '07

A. E. Edwards, '08

H. Evans, '07

T. K. Sharpless, '09

A. E. Brown, '07

C. T. Brown, '08

S. J. Gummer, '07

H. Furness, '10

W. H. Haines, '07

A. W. Hutton, '10

### Second Eleven

P. W. Brown (Capt.), '07

C. K. Drinker, '08

J. W. Nicholson, '07

F. Myers, '09

E. Wright, '08

N. Brey, '09

C. F. Scott, '08

T. K. Lewis, '09

J. C. Thomas, '08

S. Mason, '10

F. C. Bailey, '08

E. Cadbury, '10

### Third Eleven

A. B. Morton, (Capt.), '07

A. J. Hill, '09

J. Pennypacker, '09

G. H. Deacon, '09

R. A. Spaeth, '09

W. Judkins, '10

F. R. Taylor, '09

G. Kerbaugh, '10

J. W. Stokes, '09

E. W. David, '10

C. S. Ristine, '09

C. A. Haines, '10

## Published Cricket Schedule, 1907

### First Eleven

- Saturday, April 27—Frankford at Haverford.  
 Saturday, May 4—Philadelphia at Haverford.  
     Saturday, May 11—Germantown at Manheim.  
     Saturday, May 18—Moorestown at Haverford.  
 Wednesday, May 22—Next XV at Haverford.  
     Saturday, May 25—Harvard at Cambridge.  
     Tuesday, May 28—Pennsylvania at Manheim.  
     Thursday, May 30—Cornell at Haverford.  
 Saturday, June 1—All-Scholastic at Haverford.  
     Saturday, June 8—Alumni at Haverford.  
     Friday, June 14—Alumni *vs.* Alumni at Haverford.

### Second Eleven

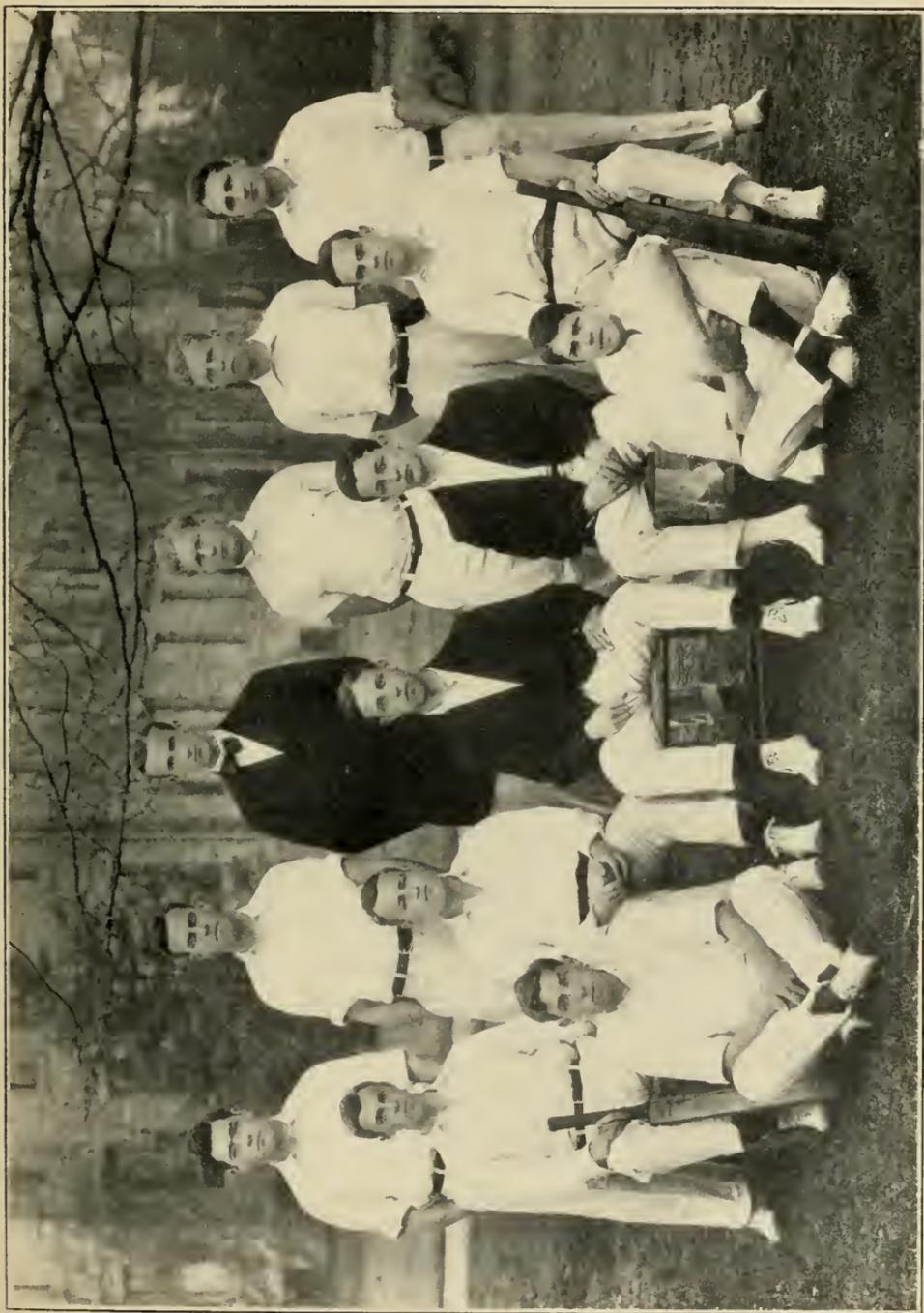
- Saturday, April 27—Frankford at Frankford.  
 Saturday, May 4—Philadelphia at St. Martin's.  
     Saturday, May 11—Germantown at Haverford.  
     Wednesday, May 22—First XI at Haverford.  
 Saturday, May 25—Pennsylvania 2d at Haverford.  
 Saturday, June 1—Radnor at Wayne.  
     Wednesday, June 5—Merion at Merion C. C.  
     Saturday, June 8—Haddonfield at Haddonfield.

### Third Eleven

- Monday, April 22—Haverford School at Haverford.  
 Friday, April 26—Central High at Haverford.  
     Tuesday, May 14—Merion Juniors at Merion C. C.  
     Saturday, May 18—Penn Charter at Haverford.  
 Saturday, May 25—Haddonfield at Haddonfield.  
     Saturday, June 1—Radnor High at Haverford.  
     Saturday, June 8—Belmont Juniors at Haverford.

### Class Games

- April 24—1909 *vs.* 1910  
 April 29, 30—1907 *vs.* 1908.  
 May 14, 15—Winners play for Championship.



Haverford College Cricket Team, 1906-7.



## Cricket Prizes for 1906

### First Eleven

*Colors* to J. D. PHILLIPS, '06; J. P. MAGILL, '07.

*Cope Prize Bat* for best average, to A. T. LOWRY, '06; average, 25.8.

*Congdon Prize Ball* for best bowling average, to F. D. GODLEY, '07; average, 8.47.

*Haines Prize Fielding Belt*, to H. W. DOUGHTEN, JR., '06.

### Second Eleven

*Class of '85 Prize Bat*, to S. G. SPAETH, P. G.

*Class of '85 Prize Ball*, to W. H. HAINES, '07.

*Class of '85 Prize Fielding Belt*, to P. W. BROWN, '07.

### Other Prizes

*Improvement Bat*, to J. B. CLEMENT, '08.

*Shakespeare Bat*, to the Freshman with the highest average in Interclass matches, R. N. BREY, '09.

*C. R. Hinchman Prize Bat*, for highest average in Intercollegiate matches, to H. W. DOUGHTEN, JR., '06; average, 66.

*Christian Febiger Prize Ball*, for best average in Intercollegiate matches, to H. PLEASANTS, JR., '06; average, 10.28.

*Prize Bat*, awarded to best Freshman batsman, T. K. SHARPLESS, '09.

*Prize Ball*, awarded to best Freshman bowler, T. K. LEWIS, '09.

*Prize Cup*, to best all-round Freshman, F. A. MYERS, JR., '09.

*Class of '85 Prize Ball*, for Interclass Championship, Class of 1907.

## Record of Cricket Matches, 1907

## First Eleven

April 27	Haverford (8 wickets).....	57
	Frankford H. C. ....	80
May 11	Haverford .....	63
	Germantown H. C. ....	113
May 18	Haverford (4 wickets).....	76
	Moorestown H. C. ....	152
May 22	Haverford .....	181
	Next Fifteen .....	91
May 25	Haverford .....	
	Harvard .....	
May 28	Haverford .....	104
	Pennsylvania (8 wickets) .....	171
May 30	Haverford .....	244
	Cornell .....	58
June 1	Haverford .....	69
	All-Scholastic .....	59
June 8	Haverford (8 wickets).....	180
	Alumni .....	106

1907 were Interclass Champions, defeating 1910 by 248 for 6 wickets to 54.

**Second Eleven**

April 27	Haverford .....	139
	Frankford P. C. ....	54
May 11	Haverford .....	87
	Germantown .....	67
May 22	Haverford (15 men) .....	91
	First Eleven .....	181

Other games canceled or called off on account of rain.

**Third Eleven**

April 22	Haverford .....	66
	Haverford School .....	42
April 26	Haverford .....	87
	Central High (6 wickets) .....	31
May 18	Haverford .....	42
	Penn Charter .....	19

Other games canceled.

## Intercollegiate Series

## Haverford vs. University of Pennsylvania

## Haverford

F. D. Godley, b. Hordern .....	0
H. Furness, b. Goodfellow .....	11
J. P. Magill, c. Morris, b. Hordern.....	4
S. J. Gummere, b. Keenan .....	24
E. A. Edwards, b. Keenan .....	7
C. T. Brown, c. and b. Keenan .....	3
W. H. Haines, b. Keenan .....	2
H. Evans, b. Hordern .....	2
A. Hutton, not out.....	26
J. B. Clement, b. Keenan .....	0
A. E. Brown, b. Keenan .....	11
Extras .....	14
	<hr/>
	104

*Bowling Analysis.*

	B.	M.	R.	W.
Hordern .....	126	2	53	3
Goodfellow .....	60	4	16	1
Keenan .....	64	3	24	6

## Pennsylvania

H. H. Morris, b. Clement .....	47
C. M. Graham, b. A. E. Brown .....	26
W. F. Keenan, Jr., c. Godley, b. Clement.....	17
D. Graham, b. Godley .....	11
W. S. Evans, b. Clement .....	4
L. Lee, not out .....	19
A. N. Goodfellow, b. A. E. Brown .....	21
R. Lee, run out .....	11
F. W. Baker, c. Haines, b. Godley.....	4
H. V. Hordern, not out.....	2
N. S. Hales, did not bat.	
Extras .....	9
	<hr/>
Total (8 wickets) .....	171

*Bowling Analysis.*

	B.	M.	R.	W.
A. E. Brown .....	84	1	49	2
Godley .....	120	4	45	2
Clement .....	90	3	54	3
Furness .....	18	0	15	0

**Cornell vs. Haverford**

**Cornell**

Paul, l. b. w. ....	4
Flint, b. Clement ....	4
MacPhersons, c. Hutton, Brown ....	7
Lex, b. Clement.....	3
Wright, b. Clement ....	7
Hastings, O. B., b. Clement ....	9
Wilson, b. Clement ....	1
Hastings, A. C., b. Clement ....	4
Van Blyvelt, not out ....	2
Monroe, run out ....	0
McCormick, b. Godley ....	3
Extras ....	14
Total .....	58

*Bowling Analysis.*

	B.	W.	R.
Brown, A. E. ....	66	1	12
Godley ....	82	2	17
Clement ....	72	6	15

**Haverford**

Godley, c. and b. Macphersons.....	21
Furness, c. and b. Paul ....	10
Magill, c. Flint, Paul ....	0
Gummere, b. Wilson ....	31
Hutton, l. b. w. Paul.....	41
Edwards, c. Paul, Macphersons ....	11
Brown, C., c. and b. Macphersons ....	76
Nicholson, c. Monroe, Hastings ....	46
Mason, bowled Hastings ....	0
Clement, c. Macphersons, Hastings ....	0
Brown, A. E., not out ....	1
Extras ....	7
Total .....	244

*Bowling Analysis.*

	B.	W.	R.
Paul ....	66	3	46
Wright ....	66	0	51
Wilson ....	54	1	53
Macphersons ....	108	3	73
Hastings ....	28	3	14

## Regulations for the Wearing of College Emblems

The following is the report of the committee authorized by the Athletic Association on December 6, 1904, to collect the regulations governing the awarding of the college and class emblems as revised to date—February 16, 1905:

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

SECOND. The cricket colors shall consist of the cricket sweater, the scarlet and black striped blazer and cap, and the scarlet and black sash. The cricket sweater shall be white, with 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 Cricket H. Cricket H shall be a block letter H four and a half ( $4\frac{1}{2}$ ) inches across the top and five (5) inches in height.

The cricket colors shall be worn by the members of the first eleven of any year, when such members are formally given their colors by the Ground Committee of the Cricket Club.

THIRD. The foot ball colors shall be awarded after the last game of each season by the captain, manager and chairman of the foot ball department. These men may select any number up to fourteen players, including the captain, who shall be entitled to wear the foot ball H.

The foot ball sweater shall be red, with black neck, wristlets, and waistband. The foot ball H shall be a black block letter H six (6) inches across the top and seven and a half ( $7\frac{1}{2}$ ) inches in height. The wristlets and waistband shall each be three and one-half ( $3\frac{1}{2}$ ) inches in width.

The foot ball jersey shall be as follows: A black body with striped sleeves, a scarlet neck, and a scarlet waistband. The stripes, one (1) inch in width, shall be alternate scarlet and black. The H shall be a scarlet block letter four and one-half ( $4\frac{1}{2}$ ) inches in width and five (5) inches in height.

The foot ball cap shall be a plain black cap, with scarlet H. F. B. T. The men who have been awarded the foot ball emblem shall have the option of receiving either the sweater or the jersey and cap.

Men who are not entitled to wear the foot ball emblem shall not appear with the foot ball H on any sweater, nor shall they wear the scarlet and black striped stockings, foot ball jerseys or caps, except upon the foot ball field.

FOURTH. The track emblems shall be awarded by the captain, manager and chairman of the track department, and shall be worn only by men winning a point in the intercollegiate scratch contest, except in dual meets, when the winners of first place only shall receive the track H.

The track uniform shall consist of a white sleeveless jersey with a black bar letter H on the breast. (This H shall be three (3) inches wide and three and five-eighths ( $3\frac{5}{8}$ ) inches in height); white running trousers, with red and black ribbon stripes down the sides, and the track sweater, which shall be a plain cardinal red sweater with the track H on the breast. The track H shall be five and a half ( $5\frac{1}{2}$ ) inches in width by six and a half ( $6\frac{1}{2}$ ) inches in height, and shall be a block bar letter.

FIFTH. The gymnasium emblem shall be awarded by the captain, manager and chairman of the gymnasium department, who shall determine the number of men to receive these emblems. The gymnasium uniform shall consist of a red sleeveless jersey, black tights, black *leotod* and black gym. shoes. The emblem on the jersey shall be a monogram, consisting of a black H ( $4\frac{1}{2}$  inches in height and  $4\frac{1}{2}$  inches wide), a black C ( $3\frac{1}{4}$  inches in height and  $2\frac{1}{4}$  inches wide), and a black G (of the same dimensions as the C). The C shall be placed upon the upper right hand section of the H and the G upon the lower left hand section. The design shall conform to that of previous years. The gym. sweater shall be black throughout. The emblem shall conform with the monogram of the gym. jersey. The letters shall be scarlet and of the same dimensions as those on the jersey. The gymnasium H shall be awarded to not more than two (2) men. The H shall be scarlet on a black sweater and

shall be of the same design and dimensions ( $4\frac{1}{2}$  inches high by  $4\frac{1}{2}$  inches wide) as the H in the monogram on the gymnasium sweater.

SIXTH. The scrub foot ball sweater shall be awarded at the end of each foot ball season to those men who, in the opinion of the Varsity captain, manager and chairman of the foot ball department, have done the best work throughout the season. The number of sweaters shall not exceed eleven.

The sweater shall be of a black body of striped alternate scarlet and black neck and wristlets. The stripes shall be one-half ( $\frac{1}{2}$ ) inch in width and the wristlets four (4) inches in width. The monogram shall consist of a scarlet H seven (7) inches in height by six (6) inches in width. A scarlet Arabic numeral "2" two (2) inches by one and one-half ( $1\frac{1}{2}$ ) inches and a scarlet Roman numeral eleven (XI) of the same relative dimensions. The Arabic numeral "two" shall be placed within the H above the cross-bar and the Roman numeral "eleven" below the cross-bar.

SEVENTH. The managers of the various teams may wear the sweaters and jerseys of their respective teams without the emblems.

EIGHTH. No person shall be entitled to wear any of the emblems, uniforms, or parts of uniforms, above mentioned, until that person shall have been authorized to do so by the committees having charge of the awarding of the same.

NINTH. Class Colors.—Numerals on class sweaters are awarded to not more than eleven men on any class foot ball or cricket team as selected by the captain, manager and chairman of the respective departments; to a man winning one first or two seconds in the Sophomore-Freshman sports, or five (5) points in the spring track meet, or to the winner of the tennis tournament in singles.

## 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. 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. 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.), 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.....	31.29
1905	R. L. PEARSON.....	1905.....	37.
1906	A. T. LOWRY.....	1906.....	25.8

## 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

## 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	1891—	G. THOMAS, 3D. . . . .	'91
1877—	A. L. BAILY. . . . .	'78	1892—	S. W. MORRIS . . . . .	'94
1878—	J. E. SHEPPARD. . . .	'79	1893—	W. W. SUPPLEE. . . .	'95
1879—	A. P. CORBITT. . . . .	'80	1894—	F. P. RISTINE. . . . .	'94
1880—	W. F. PRICE . . . . .	'81	1895—	J. H. SCATTERGOOD..	'96
1881—	B. V. THOMAS. . . .	'83	1896—	A. G. SCATTERGOOD..	'98
1882—	S. B. SHOEMAKER..	'83	1897—	A. G. SCATTERGOOD..	'98
1883—	W. L. BAILY . . . . .	'83	1898—	A. G. SCATTERGOOD..	'98
1884—	W. S. HILLES . . . . .	'85	1899—	W. S. HINCHMAN..	1900
1885—	W. F. PRICE . . . . .	'81	1900—	W. V. DENNIS. . . . .	1902
1886—	J. W. SHARP, JR. . . .	'88	1901—	C. C. MORRIS. . . . .	1904
1887—	H. P. BAILY . . . . .	'90	1902—	A. C. WOOD, JR. . . .	1902
1888—	C. H. BURR, JR. . . .	'89	1903—	J. B. DRINKER. . . .	1903
1889—	J. S. STOKES . . . . .	'86	1904—	H. H. MORRIS. . . . .	1904
1890—	J. W. MUIR . . . . .	'90	1905—	A. T. LOWRY. . . . .	1906
			1906—	H. W. DOUGHTEN, JR.,	1906.



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# HVERFORD COLLEGE BULLETIN

VOL. V

EIGHTH MONTH, 1907

No. 5

## Alumni Number

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



Proceedings  
of the  
Fifty-first Annual Meeting  
of the  
Alumni Association  
of  
Haverford College  
Held in Roberts Hall, June 14, 1907

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Address to Class of 1907, by  
ERNEST W. BROWN, Sc.D., F.R.S.



THE Fifty-first Annual Meeting of the Alumni Association of Haverford College was held at Haverford, in Roberts Hall, on June 14, 1907. President Frederic H. Strawbridge, '87, called the meeting to order at 6 p. m.

On motion the roll call was omitted, but apparently about one hundred and fifty members were present at the meeting.

Since printed copies of the proceedings of the last annual meeting had been sent to each member, the minutes of that meeting were not read, in accordance with a motion duly carried.

In 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 usual midwinter dinner was held on February 15, 1907, at the Bellevue-Stratford, on which occasion about 250 persons were present, the largest attendance ever known at this Annual Dinner. Excellent speeches were made by President Isaac Sharpless, Dr. Henry S. Drinker, President of Lehigh University; Dr. John Watson (Ian Maclaren), Hon. William A. Glasgow, Jr., Hon. James M. Beck and John C. Winston. A double quartet from the College Glee Club sang several selections, which were much enjoyed. The price charged each member 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 partly out of the general funds of the Association.

At your last annual meeting there was referred to your Executive Committee an amendment to Article II, Section 2, of your Constitution, suggesting the addition of a clause reading, "If the report of the Nominating Committee is rejected, the Association shall then proceed to elect, by ballot, upon nominations made in open meeting." Your Committee respectfully recommends the adoption of this amendment.

Within the past ten days President Sharpless called together representatives from the last twenty classes to consider the question of the proper celebration in 1908 of the seventy-fifth anniversary of the founding of Haverford College. It was the sense of those present that the Alumni Association should appoint a committee of fifteen persons (with power to add to their number) to co-operate with the Board of Managers and Faculty in making the necessary arrangements for celebrating the aforesaid anniversary.

In accordance with a resolution adopted last year, no oration has been provided for this meeting.

Reports from all Standing Committees have been received and will be read.

The deaths of the following matriculates of Haverford College have been noted by the Secretary during the past year:

- '37 John Howard Lewis . . . . .April 24, 1907.
- '44 Jesse Tyson . . . . . November 29, 1906.
- '59 Fowell B. Hill . . . . .April 11, 1907.

- '70 Oliver G. Owen .....April 13, 1907.
- '90 Alfred C. Tevis .....May 7, 1907.
- '90 William M. Guilford, Jr. .December 20, 1906.

Respectfully submitted,

C. J. RHOADS, *Secretary.*

PHILADELPHIA, Pa., June 14, 1907.

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:

- Francis A. Herendeen, '87.
- W. Marriott Canby, Jr., '91.
- James Henry Wood, '93.

Respectfully submitted,

HENRY COPE, '69, *Chairman.*

Haverford, June 14, 1907.

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 14, 1906 .....	\$217.58
Subscriptions for General Purposes .....	591.00
Interest on Deposits .....	2.23

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\$810.81

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## PAYMENTS.

Expenses of Alumni Day, 1906 .....	\$23.00
Dinner at the College, Alumni Day, 1906 .....	425.00
Printing and sending out 1,000 copies of Alumni Number of College Bulletin .....	80.56
Balance of Prize for Oratory for 1906 .....	46.00
Medal for Prize for Oratory for 1907 .....	4.00
Printing, Stamps, Stationery and Clerical Services .....	54.10
Deficit on Midwinter Dinner .....	13.35
Balance .....	164.80
	<hr/>
	\$810.81
	<hr/> <hr/>

*Midwinter Dinner Account.*

## RECEIPTS.

250 Subscriptions to Dinner on February 15, 1907, at \$3.50	\$875.00
Additional Subscriptions .....	3.00
From General Account to cover Deficit .....	13.35
	<hr/>
	\$891.35
	<hr/> <hr/>

## PAYMENTS.

Bellevue-Stratford Hotel, cost of dinner .....	\$847.00
Printing, Stationery, Stamps and Incidental Expenses..	44.35
	<hr/>
	\$891.35
	<hr/> <hr/>

Respectfully submitted,

JONATHAN M. STEERE, *Treasurer.*

Examined and found correct.

OSCAR M. CHASE,  
F. ALGERNON EVANS,  
*Auditors.*

PHILADELPHIA, Pa., June 13, 1907.

The election of officers and an Executive Committee being next in order, the Nominating Committee appointed for that purpose presented the following report:

*To the Alumni Association of Haverford College:*

The Committee of the Alumni Association of Haverford College under appointment to nominate at the annual meeting in June, 1907, officers and an Executive Committee to serve for the official year 1907-08, met in Philadelphia on May 24, 1907, and united in recommending the following nominations:

*President*—Frederic H. Strawbridge, '87.

*Vice-Presidents*—Howard Comfort, '70.

Miles White, Jr., '75.

William S. Hilles, '85.

*Secretary*—Charles J. Rhoads, '93.

*Treasurer*—Jonathan M. Steere, '90.

*Executive Committee*—Joseph W. Sharp, Jr., '88.

William Percy Simpson, '90.

Dr. William W. Comfort, '94.

Alfred G. Scattergood, '98.

William W. Justice, Jr., '00.

C. Christopher Morris, '04.

Harold Evans, '07.

On behalf of the Committee,

WILLIAM M. LONGSTRETH, *Chairman.*

S. R. YARNALL, *Secretary.*

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 or until their successors are elected.

The following reports from committees were read, accepted and the committees discharged with the thanks of the Association:

### 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 24, 1907, at 8 o'clock p. m. Of your Committee there were present Messrs. Edward Y. Hartshorne, Alfred Percival Smith, Jesse E. Philips, Jr., and the Chairman. The judges were Mr. Philip Godley, Mr. Frederic H. Strawbridge and Mr. William H. Futrell. President Sharpless and Dr. Hancock entertained the Judges and Committee at dinner.

There were six orations, as follows:

1. The Cry of the Children,  
Richard Arnold Ricks, Jr., '07,  
Richmond, Va.
2. The Incarnation of Man.. James Carey Thomas, '08,  
Haverford, Pa.
3. The New American . . . . . Cecil Kent Drinker, '08,  
South Bethlehem, Pa.
4. Nature and Civilization. . . . . Ira Jacob Dodge, '07,  
Akron, Ohio.

5. The Task of the True Reformer,  
Joseph Passmore Elkinton, '08,  
Media, Pa.
6. The Senator from South Carolina,  
Raleigh Cabell Lindsay, '07,  
Madison, N. C.

Mr. Godley announced the decision of the Judges, unanimously awarding the prize to Ira Jacob Dodge, with honorable mention to James Carey Thomas.

Notwithstanding what may seem to be formal praise of the work shown in these contests from a regular expression of such praise in these reports each year, your Committee wishes to commend the character of the orations this year most highly. A marked tendency toward the direct and also argumentative presentation of the subject, rather typifying the modern public speaking as against the more declamatory style of the old time oratory, was shown with excellent effect. Professor Hancock reports a very gratifying interest in the class work, the result of which these contests are now showing.

Your Committee is still more or less depressed by the small numbers represented by the audiences on these occasions. Between 90 and 100 persons, including undergraduates, were in Roberts Hall at the contest this year. Prayers and entreaties seem useless. The character of the entertainment afforded seems too far removed from vaudeville to make it attractive to large numbers. These conditions are not peculiar to Haverford, however. They make the character of performance by the contestants the more praiseworthy without the stimulus which a well-filled hall would afford. Your Committee believes that

no previous contest has been marked by a more general excellence than that which is now reported.

On behalf of the Committee,

PARKER S. WILLIAMS, *Chairman.*

PHILADELPHIA, Pa., May 29, 1907.

At the conclusion of the reading of this report the Alumni Oratorical Prize Medal was formally presented to Mr. Ira Jacob Dodge, '07, the winner of this year's contest.

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## REPORT OF COMMITTEE ON ATHLETICS.

*To the Alumni Association of Haverford College:*

We have been accused here at Haverford of a lack of self-assertion. This can certainly not be said of our ATHLETICS. We are a small College, but we can be justly proud of our position and of our attainments in all branches of College Sport. Not brazenly, but with becoming modesty and usefulness, we have occupied a position of trust on the Board of the Intercollegiate Football Rules Committee. We introduced the game of "Soccer" into American Colleges; we have repeatedly sent our Cricket team across the sea; our track teams compete successfully with the Colleges of the land, and our Gymnastic Meets are always brilliant and cause much favorable comment. Surely our ATHLETICS are doing their part to make Haverford favorably known, but it is questionable whether we will be able to continue to do all these things and do them well, unless our enrollment

is very much increased. Without this increase, we will not be able to turn out successful Cricket Teams and at the same time supply suitable material for the Track and Field Sports. There is a sentiment, and a strong and righteous sentiment, that Cricket is the College Game, but if we are to maintain our supremacy in this ancient and honorable Game, we must increase the number of students or so legislate that their best efforts may be directed toward the Cricket Field.

The past season on account of the bad weather was disappointing to our Cricketers. Many of the games were canceled on account of the cold and rainy weather. It was an "off year" for us. On the other hand, the University of Pennsylvania, who is this year sending a team to England, was very strong and defeated us. We won easily from Cornell, and Harvard defaulted. The Second Eleven was quite successful and won all their games. J. B. Clement, '08, has been chosen Captain of the First Eleven for next year.

This Committee would strongly urge all old cricketers to make an effort to come out to the matches and encourage the Eleven by their presence. Especially should they do this on the occasion of the Intercollegiate games. It is certainly not asking too much of all those who have played in years past on the College XI to give up this much of their time to encourage the fellows who are working hard to keep Haverford's name where it belongs. We in our day were given this support and we know how much it meant to us. The cricketers of the Alumni must appreciate that the game cannot continue to flourish as of old, if they allow their interest to wane.

The Football games were most enjoyable. The new Rules, in which Haverford took a very prominent part in framing, added much to the game, eliminating most of the bad features of the old rules. Our Team was again ably coached by H. N. Thorn, '04, assisted by Hopkins, '05, and Lowry, '06, and showed great proficiency in mastering the fine points of the new game, and succeeded in going through the season without suffering defeat. Thorn, '04, will again act as head coach next Fall, with Haines, '07, as field coach, and a very good schedule has been announced, with the best games on Walton Field.

Soccer football was again very popular. Three teams were put on the field, and we again won the Intercollegiate Championship, defeating Cornell and Harvard and tying with Columbia and Pennsylvania.

Track and Field Sports have taken a strong hold. Dr. Babbitt and Captain Tatnall are to be congratulated on the successful showing made, due largely to their selection of proper material, and their untiring energy and enthusiasm. Wesleyan, University of New York and Lehigh were defeated. The Relay Team won their race at the Relay Carnival at Franklin Field. Baker, Class of 1910, made a new College record in the mile run, making the time four minutes thirty-five seconds. He was also one of the five men to break the Intercollegiate record for this distance at the Intercollegiate Games held at Cambridge. Bard, Class 1909, set a new College mark in the Pole Vault, going over the bar at 10 feet 6½ inches. Palmer, Class 1910, lowered the College quarter-of-a-mile record, going the distance in 52 3-5 seconds.

He also equalled the record in the 100 yards and 220 yards distance.

The Winter's Gymnasium work was highly creditable. Lehigh was defeated 25 points to 23, but Pennsylvania won by the same score. There was also an exhibition meet with Rutgers, and a quadrangular meet with Pennsylvania, Columbia and Princeton. The Scholastic Meet brought boys from the representative Schools and was witnessed by a large and enthusiastic gathering of fathers, mothers, sisters and friends.

Your Committee has given serious thought to the proposed formation of an endowment fund with which to meet the always harassing expense incidental to the proper support of our College Athletics. Mention was made of this project at the Midwinter Dinner, but it was not immediately followed up because of the larger movement which is now to be entered upon, which it is hoped will take care of the Athletic Endowment as well as the other things so urgently needed by the College.

The remarks of the President of one of our leading Universities, in spite of calling forth perhaps unwarranted ridicule, have given ground for thought and resulting modifications in many of our College Sports. It is unfortunate that the outside, unsympathetic public should find ground for gratifying their gaming instincts in witnessing Intercollegiate contests. The student body themselves must not become morally callous and forgetful of the true aims of Sport, and the contestants must not be called upon to sacrifice all their time, thoughts and efforts in winning mere glory for themselves nor for their Alma Mater. It is right that a team should be composed of

the best men in every particular line of Sport, but the selection of these teams should be made possible by the qualifications shown in the daily enjoyment and practice of the whole student body. Athletic fields should be the playground of all the students and not the gridiron upon which the chosen few are roasted by the jeers and jibes of a crowded amphitheatre,—a public who has paid, and demands its pound of flesh.

Fortunate indeed are we at Haverford! Our fields are open fields and dedicated to true sport, and our efforts are to give every student the opportunity to play our games. We go further, for we receive him ignorant and awkward, and teach him the rudiments of our games and rejoice to see him grow strong and agile, and eventually "make the team." May disaster overtake us when we hunt abroad for our Athletes! May success be ours when we, naturally developing our Sports, see in all our contests the skill and spirit which is the outgrowth of a devotion to health-giving exercise and a love for clean, manly sport.

On behalf of the Committee.

JOSEPH W. SHARP, JR., *Chairman.*

The proposed amendment to Article II, Section 2, of the Constitution, referred to the Executive Committee and by that Committee approved, was brought to the attention of the meeting, and on motion duly seconded and carried, it was resolved that the Constitution be amended by the addition to Article II, Section 2, of the following clause: "If the report of the Nominating Committee is rejected the Association shall then proceed to elect by ballot upon nominations made in open meeting."

The Secretary read the following letter from Mr. Alfred G. Scattergood, '98:

C. J. RHOADS,

*Secretary, Haverford Alumni Association.*

DEAR FRIEND: At thy suggestion, I desire formally to bring to the attention of the Association a matter connected with the Cricket Pavilion. Its erection (in 1904) was in charge of a committee consisting of one member from all classes, appointed, I believe, by this Association. By the resolution, of which the annexed is a copy, a sub-committee was appointed by this General Committee to attend to the decorations, pictures, records, etc., as mentioned therein.

This sub-committee has never made a formal report, and since its creator, the General Committee, was released some time ago, I desire to report for the Committee that it has accomplished practically all that was asked of it up to this date. Its yearly work now consists in having prepared and placed in position a tablet of the XI for the year, of securing and framing a picture of its captain, and of obtaining from time to time such pictures of prominent cricketers as it may see fit.

Since no authority is vested in it to have these costs charged to this Association, and its work is so slight, I suggest that the present Committee be discharged, and that another smaller one (consisting, say, of two alumni and one undergraduate) be appointed by this Association to have the matter in charge, with authority to draw on the Treasurer for \$5 every year to carry out the purpose of its creation.

I also suggest that the Treasurer be instructed to refund the advance of \$50.81 made by an individual, in order that the work of the Committee might be completed.

Respectfully,

A. G. SCATTERGOOD, *Chairman Sub-Committee.*

COPY OF RESOLUTION.

WHEREAS, It is important at the outset to establish a high standard in our New Hall of Fame in the proposed Cricket Pavilion at Haverford College.

*Resolved*, That the decorations consist only of flags, tablets, and pictures, as follows:

1st.—Flag of Dorian C. C. and the Haverford College flag, twice carried across the Atlantic, and then through England by the Cricket teams of 1896 and 1900;

2nd.—A tablet giving the names and approximate dates of former Cricket Clubs at Haverford;

3rd.—A tablet for each year from the earliest regular Cricket XI in the fifties, giving the name and classes of the XI for that year, the eleven names and no more, to be decided by that year's Captain;

4th.—Tablets showing winners of first XI prizes in batting, bowling, and fielding, (and averages);

5th.—Likenesses of American and Foreign Cricketers who have earned a distinctly historic or international reputation, or who have been conspicuous friends of Haverford Cricket in America or England;

6th.—Small likenesses of Captains of Haverford, so far as obtainable.

The whole matter to be under the control of the following twelve; who shall carry out the above provisions, and make such additions from time to time as they may judge wise and expedient. They shall fill vacancies in their number caused by death or otherwise by the election of graduates, except that one

member shall always be an undergraduate, who shall be their custodian. If necessary to fulfil this last provision, the senior member by Class shall retire. The Ground Committee for the year is to be held responsible for the care and safety of the building.

It was moved and carried that Mr. Scattergood's letter be spread upon the minutes, that the recommendations therein contained be adopted, and the Committee discharged with the thanks of the Association. The Treasurer of the Association was authorized to refund to the Committee \$50.81 expended by them, and the incoming President was directed to appoint a committee of three (two alumni and one undergraduate) in accordance with the suggestions in the letter.

Mr. J. Henry Scattergood, '96, called attention to the fact that the rule at Harvard University preventing men from playing on the cricket team until they had been students in the University at least one year had so limited the available candidates that Harvard had been unable to put an eleven in the field for the last two years, and that the game was in danger of dying out at that institution.

Whereupon, on motion of Mr. Scattergood, it was

*Resolved*, That this association request that the athletic authorities of Harvard University modify their rules which limit those who may represent the University on the Cricket Eleven to students of at least one year's standing, and that a copy of this minute, duly signed by the president and secretary of this association, in conjunction with chairman of the Athletic Committee be sent to the Athletic authorities at Harvard University.

The President of the Association reminded those present that the seventy-fifth anniversary of the opening

of Haverford would occur in the fall of 1908. Whereupon, on motion of Mr. Henry Cope, '69, it was

*Resolved*, That a committee of fifteen (with power to add to their number) be appointed by the President; said committee to co-operate with the Faculty and Board of Managers in making arrangements for the proper celebration of the Seventy-fifth Anniversary of the opening of Haverford.

Dr. Francis B. Jacobs, '97, made a strong plea that better care be taken of the Gymnasium building and apparatus. Other gentlemen endorsed his remarks, and the subject was referred to the incoming Executive Committee for consideration.

At the request of the editors of the "Haverfordian," Mr. Walter C. Janney, '98, asked that the members of the Association support the publication and send to it any items of news which might be of interest, particularly "Alumni Personals."

Before the meeting adjourned the President stated that, in accordance with the usual custom, he would announce the names of those appointed on the various committees at a later time. The following appointments were subsequently made:

COMMITTEE TO NOMINATE MEMBERS TO THE ASSOCIATION.

Henry Cope, '69, <i>Chairman</i>	J. Paul Haughton, '94
T. Allen Hillis, '70	Benjamin R. Hoffman, '97
Walter Brinton, '81	John Pim Carter, '00
Emmet R. Tatnall, '07	

COMMITTEE TO NOMINATE OFFICERS AND AN EXECUTIVE COMMITTEE.

William M. Longstreth, '72	William G. Audenried, Jr., '90
<i>Chairman</i>	Stanley R. Yarnall, '92
J. Whitall Nicholson, '76	Joseph H. Haines, '98
Morris E. Leeds, '88	Abram G. Tatnall, '00

## 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,	John A. Lester, '96
<i>Chairman</i>	J. Henry Scattergood, '96
Henry Cope, '69	Alfred M. Collins, '97
William C. Lowry, '79	Dr. Francis B. Jacobs, '97
Dr. Thomas F. Branson, '89	C. Christopher Morris, '04
Charles J. Rhoads, '93	Dr. James A. Babbitt
	H. Norman Thorn, '04

## COMMITTEE TO AUDIT TREASURER'S REPORT.

Oscar M. Chase, '94	F. Algernon Evans, '99
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## COMMITTEE ON HALL OF FAME IN CRICKET PAVILION.

Alfred G. Scattergood, '98	Harold Evans, '07
<i>Chairman</i>	T. K. Sharpless, '05

## COMMITTEE ON CELEBRATION OF SEVENTY-FIFTH ANNIVERSARY.

Edward Bettle, Jr., '61	Joseph W. Sharp, Jr., '88
Henry Cope, '69	J. Stogdell 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

The meeting adjourned, on motion.

C. J. RHOADS, *Secretary*.



# Haverford and Its Future

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Address to the Class of 1907

Haverford College

by

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

Commencement Day

JUNE 14, 1907



## 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 to 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.















