

Maryland, U.S.

ANNUAL CIRCULAR

— OF THE —

MARYLAND

College of Pharmacy

SESSION OF 1875 AND 1876.

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1875.

# CONTENTS.

	PAGE.
Analytical Chemistry.....	9
Announcement.....	7
Botany and Materia Medica.....	8
Chemistry.....	8
Class of 1874 and '75.....	5
Faculty .....	4
Fees .....	10
Final Examinations.....	7
Graduates of 1875.....	5
List of Colleges of Pharmacy.....	(Cover, 3
Officers of College, (Board of Trustees,).....	3
Pharmacy .....	8
Premiums.....	7
Requisites for Graduation.....	10
"    "    "    Wholesale Druggists.....	10
Students from Abroad .....	9
Text Books.....	4

# ADVERTISEMENTS.

THOMSEN, LILLY & Co.	
Wholesale Drugs and Druggists' Sundries.....	11
CHAS. G. SMITH.	
Manufacturing Chemist and Pharmacist.....	11
WM. H. BROWN & Bro.	
Wholesale Drugs and Druggists' Sundries.....	12
WM. R. WARNER & Co.	
Pharmaceutical Preparations, Sugar Coated Pills, &c.....	12
E. SCHEFFER.	
Pepsin .....	13
F. F. DREXEL & Co.	
Glassware and Druggists' Sundries.....	13
E. F. HOUGHTON & Co.	
"Cosmoline.".....	14
N. H. JENNINGS.	
"Eau Dentifrice.".....	14
ROSENGARTEN & SONS.	
Manufacturing Chemists.....	15
SHARP & DOHME.	
Manufacturing Chemists and Pharmacists, and Chemical Apparatus....	15
POWERS & WEIGHTMAN.	
Manufacturing Chemists.....	16
GEO. PAGE & Co.	
Machinists and Founders.....	16
HANCE BROTHERS & WHITE.	
Pharmaceutical Preparations, Sugar Coated Pills, Elixirs, Apparatus, &c.	(Cover, 4

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CLAUDE BAXLEY, M. D.

*Professor of Botany and Materia Medica.*

WM. SIMON, PH. D.

*Professor of Chemistry.*

WM. SIMON, PH. D.

*Professor of Analytical Chemistry.*

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## TEXT-BOOKS.

PARRISH'S PHARMACY.

UNITED STATES DISPENSATORY.

GRAY'S MANUAL OF BOTANY.

FOWNES' CHEMISTRY.

ATTFIELD'S CHEMISTRY.

BOWMAN'S PRACTICAL CHEMISTRY.

ELIOT & STORER'S INORGANIC CHEMISTRY.

WILLS' ANALYTICAL CHEMISTRY AND TABLES.

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CLAUDE BAXLEY, M. D.

*Professor of Botany and Materia Medica.*

WM. SIMON, PH. D., M. D.

*Professor of Practical and Analytical Chemistry.*

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## TEXT-BOOKS.

PARRISH'S PHARMACY.

UNITED STATES DISPENSATORY.

GRAY'S SYSTEMATIC AND STRUCTURAL BOTANY.

FOWNES' CHEMISTRY.

ATTFIELD'S CHEMISTRY.

BOWMAN'S PRACTICAL CHEMISTRY.

ELIOT & STORER'S INORGANIC CHEMISTRY.

WILLS' ANALYTICAL CHEMISTRY AND TABLES.



## GRADUATES OF 1875.

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WALTER T. SWENTZEL.....	"
CHARLES BECK.....	"
ASBURY McK. SNYDER.....	"
WM. F. McCAULEY.....	"
JOHN G. HUCK.....	"
J. HENRY SCHROEDER.....	"
DENNIS DAVY.....	ENGLAND.
ALBERT L. STEPHENS.....	VIRGINIA.
VINCENT R. JACKSON.....	MARYLAND.
ALPHEUS H. G. ROY.....	"
JOHN M. WEISEL.....	"
GEORGE M. BERSICK.....	"

## CLASS OF 1874 AND '75.

Names.	Preceptors.
ALLEN, J. B.....Maryland.....	J. BROWN BAXLEY.
AYD, JOHN.....	".....J. T. HOCHENS.
BAXLEY, J. BROWN, JR.....	".....J. B. BAXLEY & Co.
BECK, CHARLES.....	".....JOS. ROBERTS.
BERSICK, GEORGE M.....	".....H. A. SUDING.
BOUGHMAN, JOHN H.....	".....E. H. PERKINS & Co.
BROOKER, JOHN H.....	".....GOSMAN & Co.
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DAMM, WM. GEORGE.....	".....E. EARECKSON.
DAVY, DENNIS.....England.....	-----
DEITRICH, HENRY.....Maryland.....	Ed. A. SMITH.
FOX, WILLIAM M.....Mississippi.....	J. N. POTTS.
GASTON, NATHAN A.....	".....A. N. MARION & Co.
GORE, MILLARD A.....Pennsylvania.....	I. R. BEAM.



Names.		Preceptors.
GRAY, WILLIAM.....	West Virginia.....	A. W. McGLANNAN.
HENGST, JOHN E.....	Maryland.....	A. VOGELER & Co.
HUCK, JOHN G.....	" .....	A. WISEMAN.
HURD, GEORGE W.....	Alabama.....	_____
HURD, WILLIAM G.....	" .....	_____
JACKSON, VINCENT R., JR.....	Maryland.....	V. R. JACKSON.
KORNMAN, HENRY.....	" .....	EMIL SINZ.
KRUBER, GUST. A.....	Tennessee.....	J. B. BAXLEY & Co.
LAPPA, MARTIN.....	Pennsylvania.....	F. HASSENCAMP.
LYNEMAN, FELIX A.....	Virginia.....	J. N. POTTS.
MATTHEWS, MARTIN.....	Maryland.....	H. MITTNACHT.
McCAULEY, W. F.....	" .....	J. H. LEMMON.
MERRYMAN, GEORGE.....	" .....	F. LAUTENBACH.
MICHAEL, J. C.....	" .....	R. SAPPINGTON.
MICKLE, FRANK O.....	Ohio.....	EMIL SINZ.
MORGAN, CHARLES.....	Maryland.....	F. A. HARRISON.
OBERNDORF, DAVID.....	" .....	L. A. SCHULTZ.
OFFUT, CLIFFORD H.....	" .....	Hy. A. ELLIOTT.
RILEY, C. H.....	" .....	ANDREWS & THOMPSON.
ROBINSON, A. C.....	Ohio.....	R. K. ROBINSON.
ROY, ALPHEUS H. G.....	Maryland.....	GOSMAN & Co.
SANDROCK, W. C.....	" .....	JOHN SOHL.
SCARFF, CHARLES R.....	" .....	_____
SCHULTE, HENRY C.....	" .....	SCHULTE & Bro.
SCHROEDER, HENRY.....	" .....	E. A. JEAGER.
SNYDER, A. McK.....	" .....	J. H. PERKINS & Co.
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STAUFF, JOHN.....	_____	_____
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SWENTZEL, WALTER T.....	Maryland.....	W. L. KELLER.
WALLACE, FRANK L.....	" .....	ANDREWS & THOMPSON.
WEISEL, JOHN M.....	" .....	ISAAC R. BEAM.
WINDER, BAILEY R., JR.....	Virginia.....	J. FARIS MOORE.
WINGINGER, HENRY.....	Maryland.....	C. THENEMAN.
ZIMMER, FRANK.....	West Virginia.....	J. J. MYER & Co.

# Maryland College of Pharmacy,

ESTABLISHED 1841.

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The regular annual course of instruction in this College for the Session of 1875-6, will commence on Thursday, Sept. 23rd, 1875, and continue till Friday, March 10th, 1876, and the curriculum will embrace as heretofore the several branches of Pharmacy, Materia Medica and Botany, and Practical and Analytical Chemistry.

The Lectures will be delivered as follows:

On Thursday Evenings, Chemistry at 7 o'clock, Pharmacy at 8 o'clock and Botany and Materia Medica at 9 o'clock.

On Friday Afternoons, Chemistry at 3 o'clock, Pharmacy at 4 o'clock and Botany and Materia Medica at 5 o'clock.

On Monday and Wednesday Afternoons, Analytical Chemistry from 3 to 6 o'clock.

Ample means of illustrating the Lectures in the several departments are in possession of the College, as Plates, Diagrams, specimens in Botany, Materia Medica and Chemistry, with extensive Chemical and Pharmaceutical apparatus.

These will be greatly added to upon the return of Prof. Simon, who is spending the Summer in Europe, and who is under instructions to invest largely in apparatus &c., for the use of the College.

As auxiliary to the Lectures, the professors hold regular examinations in their respective departments, which serve as a review of the subjects recently discussed.

The utility of these examinations is beyond question, as they afford the only sure indication of the real value of the Lectures to the student; they present opportunities for correcting errors or misapprehensions on his part, and difficulties not sufficiently explained or accurately comprehended, are thus rendered clear to the understanding; they also stimulate the student to increased exertion, knowing as he does that his proficiency will be subjected to a public test.

## FINAL EXAMINATIONS AND PREMIUMS.

A final examination of First course students will be held, for the purpose of ascertaining their familiarity with the various subjects of the course; and honorable mention will be made at the ensuing commencement of those giving greatest evidence of progress in their studies.

The examination of Second course students will be held in accordance with the requisites for graduation, and three valuable prizes rating as 1st, 2nd and 3rd,

according to merit, will be presented at each annual commencement to the three successful candidates for graduation, who acquit themselves most creditably at the examinations.

A suitable and valuable premium will also be awarded at each annual commencement to the most proficient member of the Junior Class.

### PHARMACY.

This branch of study will be considered in all its practical detail, the various processes in pharmacy being fully explained before the class, with definite instructions for preparing officinal and other formulas. The chemical combinations formed during their preparation will also be fully entered into, thus familiarising the student with the fundamental principles of the science, and enabling him to prepare correctly any articles from the *Materia Medica*.

### BOTANY AND MATERIA MEDICA.

The importance to the student of Pharmacy of some knowledge of Botany is beyond question, and has been fully recognised by the College, but the limit of the course will admit of but a partial view of the subject, combined as it is with the more important branch of *Materia Medica*; but as introductory to this latter subject, a comprehensive view will be given of the Anatomy, Physiology, and uses of plants with the principles of their classification. The way will thus be opened for a clear understanding of the botanical descriptions of the various medicines referred to as derived from the vegetable kingdom, care being taken not to waste time with impracticable and tedious detail, but to present only those things which it is most important the student should know.

During the course all articles pertaining to both the animal and vegetable kingdoms and constituting part of the stock of every well arranged pharmacy, will have proper consideration, and in this connection the value of the complete cabinet, and extensive collection of specimens belonging to the College will be most conspicuously felt. The student will thus be made acquainted with the appearance of the drug in its crude state, while the physical characteristics by which it can be identified, its natural and commercial history, and its chemical properties, important constituents, officinal preparations, doses and therapeutic action upon the human economy, will be carefully brought before the class.

Especial attention will also be given to *adulterations*, and the contrast of the pure with the inferior varieties will be practically illustrated, and in aid of this the *microscope* will be employed throughout the course, whenever available, as a test of the genuineness of the drugs under consideration.

### CHEMISTRY.

Chemistry owing to the extent of the scientific field which it includes, necessarily occupies a prominent part in the course of instruction. All the fundamental prin-

ciples of the science are thoroughly presented from a modern stand-point, the general object being however, to render the instruction as practically useful as possible to the Pharmacist.

The chemical nature of the poisons, their antidotes, and the methods for detecting them; chemical incompatibilities, and the various phenomena which are likely to be met with in the varied, and often unscientific mixtures at the prescription counter; and the chemical changes which time, and other causes effect in pharmaceutical preparations are all dwelt upon in detail, and when possible explained.

### ANALYTICAL CHEMISTRY.

The importance to the Pharmacist of a practical knowledge of chemical analysis, experience in the use of re-agents, and accuracy in manipulation is becoming daily more and more apparent. In Europe such knowledge has long been considered as absolutely essential to the proper performance of the duties devolving upon a dispenser of medicines. Enlightened communities, appreciating the necessity for such education in those who frequently hold in their hands as it were the life or health of their patrons, are demanding of them the additional safeguard of a trained and acknowledged proficiency in this as in the other branches of their profession. In view of these facts, the Board of Trustees, have made the study of Analytical Chemistry a part of the regular curriculum, and require at least one course of such training as a requisite for graduation.

The Summer course of instruction in this branch will commence about April 1st, of each year or immediately after the close of the regular session. Students may at their option attend this class instead of the regular Winter course.

### STUDENTS OF PHARMACY FROM ABROAD.

Every facility will be afforded students from abroad of acquiring practical instruction in the various departments of pharmacy, during the many hours not necessarily passed in the lecture room; and to this end, arrangements have been effected by which they will be received in first-class establishments, upon the same terms as apprentices. This however will not preclude a more favorable arrangement when experience in business or other circumstances justify it.

The compensation to apprentices is for the first year \$75, for the second year \$100, for the third year \$125 and for the fourth year \$150. Board and Lodging are not included.

Students desiring situations will come prepared to sustain themselves until suitable places can be procured, which in a large city with its many changes will speedily be found, and we can offer the encouraging fact that no student from abroad has ever yet failed to secure most readily a desirable position.

The expenses of living in Baltimore, will of course vary according to the views and habits of students. Good board may be had at from \$4 to \$7 per week. Students upon their arrival in the city, are advised to call upon the Dean, Dr. J. BROWN BAXLEY, S. E. Cor. Howard and Franklin Streets, who will furnish them

with a list of desirable boarding houses, and will also promptly assist them in forming their relations with drug stores. Any further information desired may be obtained by letter to the same address.

### WHOLESALE DRUGGISTS.

Persons in the wholesale business, may attend the lectures, and upon complying with all the requisites for graduation, (other than the four years' apprenticeship in the retail drug business,) shall receive a certificate of proficiency, signed by the officers of the College.

### REQUISITES FOR GRADUATION.

Good moral conduct and the age of 21 years. An apprenticeship of four years to the apothecary business. Attendance upon two full courses of lectures in a respectable College of Pharmacy, the last of which shall be in this College. Attendance upon one course of Analytical Instruction. The presentation to the Dean, on or before the first of February, of an original Thesis of not less than fifteen pages, upon some subject pertaining to the branches of Pharmaceutical study, the Graduation Fee, the Matriculation Ticket, and the tickets of the Professors, for two full courses of lectures, and one course of Analytical instruction; and a letter from his employer, certifying to his age, and the length of his apprenticeship. The passing of a written examination by each Professor, the percentage of correct answers required to insure graduation being fifty per cent. on each branch, and sixty-five per cent. of the whole number, and the passing of an oral examination on the several branches, by the Board of Examiners.

THE DEGREE CONFERRED AT GRADUATION IS THAT OF GRADUATE IN PHARMACY.

Students who have not had four years actual experience in the Apothecary business, or who have not attained the age of twenty-one years, may apply for final examination at the expiration of two Collegiate courses, and should the examination prove successful, shall receive *Certificates of Proficiency* signed by the Board of Trustees. At the expiration of their term of apprenticeship, and upon attaining their majority, their Diplomas will be presented by the College.

### FEEES.

The Matriculation fee is paid but once.

For Students employed with members of the College.....	\$ 2 00
“ Others.....	4 00
“ Analytical Chemistry (one course obligatory,) .....	15 00
“ The other Professors' Tickets, each .....	12 00
“ Graduation Fee.....	10 00

The Matriculation and Lecture Tickets must be taken out at the opening of the Session and may be procured of the Dean, Dr. J. BROWN BAXLEY, South-East corner of Howard and Franklin Streets.



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
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The attention of Druggists and Pharmacentists is called particularly to this form of Cosmoline as a base for Cerates and Ointments, supplying a long felt want. It is a perfectly pure menstruum, free from every therapeutical objection, and possesses positive medical virtue, besides

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Signed,

F. A. GENTH, Prof. Chemistry University of Penna.

G. A. KOENIG, Prof. Chemistry University of Penna.

S. P. SADTLER, Prof. Chemistry University of Penna.

J. E. CARTER, Manufacturing Chemist.

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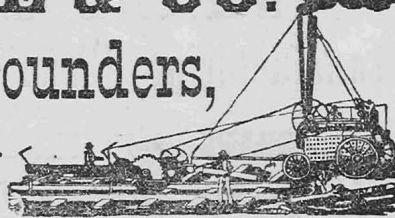
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