Official Publication
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The University of Maryland

VOL. 11 No. 1

Catalogue and
87th Announcement of

The School of Pharmacy
(Maryland College of Pharmacy, 1841 to 1904)

1930-1931

UNIVERSITY OF MARYLAND
1807-1856-1920

LOMBARD AND GREENE STREETS
BALTIMORE, MD.
SCHOOL OF PHARMACY

CALENDAR 1930-1931

FALL EXAMINATIONS

1930
September 16, 9 A.M.—Pharmacy (Theoretical), First Year.
Pharmacy (Theoretical), Second Year.
Dispensing Pharmacy, Third Year.
2 P.M. Pharmacy (Practical), Second Year.
Pharmaceutical Testing and Assaying, Third Year.

September 17, 9 A.M.—Inorganic Chemistry (Theoretical), First Year.
Organic Chemistry, Second year.
Serology and Immunology, Third Year.
2 P.M. Inorganic Chemistry (Practical), First Year.

September 18, 9 A.M.—Botany, First Year.
Materia Medica, Second Year.
2 P.M. Language, First Year.
Pharmaceutical Law, Third Year.

September 19, 9 A.M.—Mathematics, First Year.
Physics, Second Year.
Vegetable Histology, Third Year.
2 P.M. English, First Year.
Quantitative Analysis, Second Year.

FIRST SEMESTER

1930
September 29—Registration begins.
September 29—Instruction begins with the first scheduled period.
October 4—Last day to register without paying fine of $5.00.
November 27—Holiday (Thanksgiving).
December 20—Christmas recess begins after the last scheduled period.

1931
January 5—Instruction resumed with the first scheduled period.
January 31—First semester ends after the last scheduled period.

SECOND SEMESTER

February 2—Registration begins.
February 2—Instruction begins with the first scheduled period.
February 7—Last day to register without paying fine of $5.00.
February 23—Holiday (Washington’s Birthday).
April 2—Easter recess begins after the last scheduled period.
April 7—Instruction resumed with the first scheduled period.
June 6—Commencement.

* The offices of the registrar and comptroller are open daily (except Saturday) from
9:30 A. M. to 5:00 P. M.; Saturday, 9:30 A. M. to 1:00 P. M.
THE UNIVERSITY OF MARYLAND

Control of the University of Maryland is vested in a Board of nine Regents, appointed by the Governor and confirmed by the Senate for terms of nine years each. The general administration of the University is vested in the President. The University Senate is an advisory body, composed of the President, the Assistants to the President, the Director of the Agricultural Experiment Station, the Director of the Extension Service, and the Deans. The University Senate acts upon all matters having relation to the University as a whole, or to co-operative work between the constituent groups. Each School has its own Faculty Council, composed of the Dean and members of its Faculty; each Faculty Council controls the policy of the group it represents.

BOARD OF REGENTS

SAMUEL M. SHOEMAKER, Chairman..............................1924-1933
   Eccleston, Baltimore County.

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RAYMOND A. PEARSON, M.S., D.Agr., LL.D.,
   College Park, Maryland.

THE UNIVERSITY SENATE

BALTIMORE SCHOOLS*

RAYMOND A. PEARSON, M.S., D.Agr., LL.D., President.


J. M. H. ROWLAND, M.D., Dean of the School of Medicine.

HENRY D. HARLAN, LL.D., Dean of the School of Law.

J. BEN ROBINSON, D.D.S., F.A.C.D., Dean of the School of Dentistry.

ANDREW G. DUMEE, M.S., Ph.D., Dean of the School of Pharmacy.

*The Schools of Medicine, Dentistry, Pharmacy and Law are located in Baltimore; the others, in College Park, Maryland.
SCHOOL OF PHARMACY
UNIVERSITY OF MARYLAND

OFFICERS OF ADMINISTRATION
RAYMOND A. PEARSON, M.S., D.Agr., LL.D., President of the University.
ANDREW G. DU'MEZ, Ph.G., B.S., M.S., Ph.D., Dean.
E. F. KELLY, Phar.D., Advisory Dean.
B. OLIVE COLE, Phar.D., LL.B., Secretary.

REPRESENTATIVE ON THE GRADUATE COUNCIL
GLENN L. JENKINS, Professor of Pharmaceutical Chemistry.

THE FACULTY

EMERITUS PROFESSOR
DAVID D. R. CULBRETH, A.M., Ph.G., M.D., Botany and Materia Medica.

PROFESSORS
L. B. BROUGHTON, Ph.D., Chemistry.
ANDREW G. DU'MEZ, Ph.G., B.S., M.S., Ph.D., Pharmacy.
C. G. EICHLIN, M.S., Physics.
GLENN L. JENKINS, Ph.G., B.S., M.S., Ph.D., Pharmaceutical Chemistry.
ROBERT L. MITCHELL, Phar.D., M.D., Physiology and Hygiene.
CHAS. C. PLITT, Ph.G., Sc.D., Botany and Pharmacognosy.

*———, Emerson Professor of Pharmacology and Therapeutics.

ASSOCIATE PROFESSORS

ASSISTANT PROFESSORS
 MARTIN J. ANDREWS, Ph.G., Ph.C., B.S., Pharmacy and Dispensing.
 ARTHUR H. BRYAN, B.S., V.M.D., Bacteriology and Serology.
 WILLIAM K. MORRILL, A.B., A.M., Ph.D., Mathematics.
 J. H. SCHAD, M.A., Mathematics.
 EDGAR B. STARKEY, A.B., M.S., Ph.D., Organic Chemistry.
 GUY P. THOMPSON, A.B., A.M., Zoology.
 E. G. VANDEN BOSCHE, A.B., M.S., Ph.D., Inorganic and Physical Chemistry.

*Appointment pending.
INSTRUCTORS

JOHN CONRAD BAUER, Ph.G., B.S., M.S., Chemistry.
GARDNER H. FOLEY, A.M., English.
SAMUEL W. GOLDSTEIN, Ph.G., Ph.C., B.S., Chemistry.
ARTHUR C. PARSONS, A.B., A.M., Modern Languages.
M. A. PITTMAN, B.S., Physics.
H. HEWELL ROSEBERRY, B.S., Physics.
FRANK J. SLAMA, Ph.G., Ph.C., B.S., M.S., Botany and Pharmacognosy.

ASSISTANTS

V. E. BROWN, B.S., M.S., Zoology.
GUSTAV EDWARD CWALINA, Ph.G., Chemistry.
JUSTIN DEAL, Ph.G., Pharmacy.
DONALD C. GROVE, Ph.G., B.S., Chemistry.
CASIMIR T. ICHNIOWSKI, Ph.G., Pharmacology and Therapeutics.
L. LAVAN MANCHEY, Ph.G., B.S., Chemistry.
HUGH B. McNALLY, Ph.G., Pharmacy.
EDMUND E. MILLER, A.B., Modern Languages.
BERNICE F. PIERSON, B.S., Zoology.
JOSEPH A. SENGAR, Ph.G., B.S., Pharmacy.
EMANUEL V. SHULMAN, Ph.G., Ph.C., B.S., Botany and Pharmacognosy.
W. B. THOMAS, A.B., English.

OTHER OFFICERS AND ASSISTANTS

W. M. HILLEGEST, Registrar.
J. H. TUCKER, Acting Comptroller.
KATHERINE HAMILTON, Librarian.
ANN BEACH LEMEN, Cataloger.
CLARA A. NOWAKOWSKA, Stenographer.
The University of Maryland

For more than a century the University of Maryland has played a conspicuous and forceful part in the professional education and training of a nation, and particularly of Maryland and the Southern States.

The history of the present University of Maryland is the history of two institutions until they were merged in 1920. These were the old University of Maryland in Baltimore and the Maryland State College in College Park.

In 1920, by an Act of the State Legislature, the University of Maryland was merged with the Maryland Agricultural College, and the name University of Maryland was continued as the name of the combined institutions.

The University is co-educational in all its branches and has the following educational organization:

- The School of Medicine.
- The School of Law.
- The School of Dentistry.
- The School of Pharmacy.
- The School of Nursing.
- The College of Agriculture.
- The Agricultural Experiment Station.
- The Extension Service.
- The College of Arts and Sciences.
- The College of Education.
- The College of Engineering.
- The College of Home Economics.
- The Graduate School.
- The Summer School.
- The Department of Military Science and Tactics.
- The Department of Physical Education and Recreation.

THE SCHOOL OF PHARMACY

The School of Pharmacy was organized in 1841, largely at the instance of members of the Faculty of Medicine, and, for a time, the lectures were delivered at the Medical School. Later it became separated and continued an independent organization, as the Maryland College of Pharmacy, until it finally became a part of the University in 1904. With but one short intermission, previous to 1856, it has continuously exercised its positions as a teaching school of pharmacy.

On January 1, 1930, the school moved into the new and commodious six-story laboratory and classroom building erected by the State at the northwest corner of Lombard and Greene Streets. The building was especially assigned to house the work of pharmacy. It is newly equipped throughout and offers every advantage to the undergraduate student to acquire a thorough knowledge of fundamental pharmacy, and to the graduate student for the pursuit of research in pharmacy and the allied sciences.

POLICY AND DEGREES

The chief purpose of this college has been to prepare its matriculates for the intelligent practice of dispensing pharmacy, without overlooking the fact that there exist other divisions of the professions. Upon completion of the first three years of the course the diploma of Graduate in Pharmacy (Ph.G.) is awarded, which admits the holder to the board examinations in the various states for registration as a pharmacist.
The degree of Bachelor of Science in Pharmacy (B.S. in Phar.) will be given upon completion of the work prescribed for the entire course of four years.

The degree of Master of Science (M.S.) will be conferred upon graduates of the four-year course who have completed at least one year of graduate work and have presented a satisfactory thesis. Candidates for this degree may take all of the work in the School of Pharmacy. Candidates for the degree of Doctor of Philosophy (Ph.D.) may also take the major portion of the required work in the School of Pharmacy. All candidates for these degrees, however, must register in the Graduate School of the University and meet the requirements of that school. For detailed information concerning registration, requirements for admission, etc., see the catalogue of The Graduate School.

COMBINED CURRICULUM IN PHARMACY AND MEDICINE

A combined curriculum has been arranged with the Medical School of the University of Maryland by which students may obtain the degrees of Bachelor of Science in Pharmacy and Doctor of Medicine in seven years. Students who successfully complete the first three years of the course in pharmacy, and in addition four semester hours in zoology, are eligible for admission into the Medical School of the University of Maryland, and upon the successful completion of the first two years of the medical course will be awarded the degree of Bachelor of Science in Pharmacy by the School of Pharmacy.

This privilege will be open only to students who maintain a uniformly good scholastic record during the first two years of the course in pharmacy, and those who wish to avail themselves of it must so advise the School of Pharmacy before entering upon the work of the third year in order that provision may be made for the required instruction in zoology. An extra charge will be made for this instruction.

RECOGNITION

The school holds membership in the American Association of Colleges of Pharmacy. The object of the Association is to promote the interests of pharmaceutical education and all institutions holding membership must maintain certain minimum requirements for entrance and graduation. Through the influence of this Association, uniform and higher standards of education have been adopted from time to time, and the fact that several states by law or by Board ruling recognize the standards of the Association is evidence of its influence.

The school is registered in the New York Department of Education and its diploma is recognized in all states.

REQUIREMENTS FOR ADMISSION

The requirement for admission is graduation from an accredited high or preparatory school which requires for graduation not less than 15 units of high-school work obtained in a four-year course or its equivalent. *(See note). In case an applicant is not a graduate of a high or preparatory school, as defined above, the full equivalent of such education in each individual case must be established and attested by the highest public educational officer of the State.

*Required (7), and Elective (8), units for entrance. Total 15 units.

REQUIRED: English, (I, II, III, IV), 3 units; algebra to quadratics, 1 unit; plane geometry, 1 unit; history, 1 unit; science, 1 unit. Total 7 units.
ELECTIVE: Agriculture, astronomy, biology, botany, chemistry, civics, drawing, economics, general science, geology, history, home economics, vocational subjects, languages, mathematics, physical geography, physics, zoology, or any other subject offered in a standard high or preparatory school for which graduation credit is granted toward college or university entrance. Eight units must be submitted from this group.

All applicants must present their credentials for verification to the Registrar of the University of Maryland. A blank form for submitting credentials may be had by applying to the office of the Dean. The form must be filled out in full with names of all schools attended, signed by the applicant and returned to the Registrar’s office with two dollars investigation fee. Do not send diplomas or certificates. The Registrar of the University of Maryland will secure all necessary credentials after the application has been received. Do not make application unless reasonably certain that preparation is sufficient, or unless intending to complete preparation if insufficient. Ample time should be allowed for securing credentials and investigating schools. If the applicant qualifies for the study of the profession, a certificate will be issued.

ADVANCED STANDING

Students, who present in addition to high-school requirements credit for subjects taken in schools of pharmacy holding membership in the American Association of Colleges of Pharmacy, will be given credit for corresponding courses of equal length and content listed in the first and second years of the pharmacy curriculum, providing they present a proper certificate of honorable dismissal.

Credit for general educational subjects will be given to those students presenting evidence of having completed work equal in value to that outlined in this catalogue.

Transferring students in either case must satisfy the preliminary educational requirements outlined under “Requirements for Admission.”

SPECIAL STUDENTS

An applicant who cannot furnish sufficient entrance credentials and does not care to make up the units in which deficient may enter as a special student and pursue all the branches of the curriculum, but will not be eligible for graduation and will not receive a diploma. The School of Pharmacy reserves the right to decide whether or not the preliminary training of the applicant is sufficient.

ATTENDANCE REQUIREMENTS

In order to receive credit for a full session, students must have entered and be in attendance on the day the regular session opens and remain until the close of the session, the dates for which are given in the calendar of this catalogue.

Students may register and enter not later than six days after the beginning of the session, but such delinquency will be charged as absence from class. In cases of serious personal illness, as attested by a physician, students may register not later than the twentieth day following the announced opening of the regular session.

Regular attendance is demanded of all students. No student will be admitted to the final examination in any subject in which he or she has not attended at least 85 per cent. of the classes therein. Further absence will not be excused.

A tardiness of one-half or more of a lecture or laboratory period will be counted as an absence. Two tardinesses of less than one-half of a lecture or laboratory period will be counted as an absence.
EXAMINATIONS

Each session extends over eight months and is divided into semesters. Examinations will be held at the end of the first semester in all branches, the results of which will be used in making up the mid-year grades. Students whose mid-year grades are so low as to indicate inability to satisfactorily complete the course will be advised to withdraw at this time. At intervals throughout the year written and oral reviews will be given and the results thereof will form part of the final rating. Final examinations will be held at the end of the second semester and the student's standing in each subject will be determined by the average of all the ratings obtained therein. At this time students, who for any reason show that they are unfitted for the work in pharmacy, will be advised to withdraw from the school.

PROMOTION

Reports showing the standing of students will be given out at the end of each semester. The passing grade is 75 per cent. From 60 per cent. to 74 per cent., inclusive, is a condition and less than 60 per cent. is a failure.

Students who have conditions are eligible for one re-examination in each subject, which examinations must be taken within one year and on the dates scheduled in this catalogue or on the dates announced by the Dean. Failure to make a passing grade in a conditional examination will be recorded as a failure in a course. A failure can be removed only by repeating the course.

A first-year student to be promoted to the second year must have passed courses amounting to at least 75 per cent. of the total scheduled credits of the year.

A student to be promoted to the third year must have satisfactorily completed all the work of the first and second years. No student will be permitted to become a candidate for graduation who has not met these requirements.

DEPORTMENT

The profession of pharmacy demands, and the School of Pharmacy requires evidence of good moral character of its students. The conduct of a student in relation to his work and fellow-students will be used by the faculty in determining the fitness of a student to enter into the confidence of the community as a professional man. Integrity, truthfulness, sobriety, temperate habits, respect for authority and associates, and honesty in the transaction of business affairs as a student will be considered as evidence of good moral character necessary to the granting of a degree.

Any offense against good conduct, in the ordinary meaning of the term, will render a student liable to disciplinary action, whether or not a formal rule against the offense has been published.

The officers of administration and faculty are assisted in maintaining order and in the management of extra-curricular activities by a student council composed of three elected members from each class and a faculty advisor. Each student will be assessed an annual fee to maintain these activities and to defray the expenses incurred by the student council.

REQUIREMENTS FOR GRADUATION

1. The candidate must possess a good moral character.

2. He or she must have successfully completed the work specified in the first three years of the course if a candidate for the Graduate in Pharmacy (Ph.G.) diploma; or four years, if a candidate for the degree of Bachelor of Science in Pharmacy (B.S. in Phar.); in each instance the last year to be taken in this school.
PRACTICAL EXPERIENCE

The Pharmacy Law of Maryland requires four years of practical experience for full registration and two years of practical experience for registration as an assistant pharmacist. The time spent in a recognized college is credited towards the practical experience required to the extent of two years for full registration and one year in the case of registration as an assistant pharmacist.

As additional experience is required, prospective students are advised to secure employment, if possible, before entering the college.

EMPLOYMENT

It is very desirable, on account of the large number of hours required for laboratory work, lectures and study, that students should come prepared to sustain themselves during their collegiate term, yet a number annually succeed in finding suitable employment in the city. The officials of the school stand ever ready to aid in securing positions for those students to whom employment is desirable.

MATRICULATION AND REGISTRATION

Matriculation Tickets must be procured from the office of the School of Pharmacy, and must be taken out by new students before entering the classes. All students must register at the office of the Registrar before entering classes. The last date of matriculation is October 1, 1930.

TABLE OF FEES

<table>
<thead>
<tr>
<th>Description</th>
<th>Fee</th>
</tr>
</thead>
<tbody>
<tr>
<td>Matriculation fee (paid once only)</td>
<td>$10.00</td>
</tr>
<tr>
<td>Yearly tuition fee for residents of Maryland</td>
<td>$200.00</td>
</tr>
<tr>
<td>Yearly tuition fee for non-residents of Maryland</td>
<td>$250.00</td>
</tr>
<tr>
<td>Laboratory fee, yearly (no part returnable)</td>
<td>$20.00</td>
</tr>
<tr>
<td>Locker rental and breakage deposit</td>
<td>$10.00</td>
</tr>
<tr>
<td>Graduation fee (returned in case of failure)</td>
<td>$15.00</td>
</tr>
</tbody>
</table>

Students who are not following the regular schedule, but are taking combined courses equivalent to one-half or more of a year's work, will be charged the full yearly fees. Students taking less than this amount of work will be charged on a subject basis.

Students who are minors are considered to be resident students, if at the time of their registration their parents or guardians have been residents of this State for at least one year.

Adult students are considered to be resident students, if at the time of their first registration they have been residents of this State for at least one year.

The status of the residence of a student is determined at the time of his first registration in the University and may not thereafter be changed by him unless his parents or guardians move to and become legal residents of this State.

SPECIAL FEES

Students who wish to take special subjects and not the full curriculum are required to matriculate and make necessary arrangements as to charges.

Students who find it desirable or necessary to repeat a subject will be expected to pay the proportional charge.

A fee of Two ($2.00) Dollars will be charged each student for examinations at other than scheduled periods.

In addition to the fees, there are other expenses, such as for books, which cost about $60.00, for lenses, section cutters, metric weights and incidentals which cost about $15.00.
PAYMENTS

Tuition for the first semester and laboratory fee must be paid to the Comptroller on or before October 4, 1930, and tuition for the second semester and graduation fee on or before February 7, 1931.

Students who fail to pay the tuition and other fees required on or before the above-mentioned dates, for each semester, will be required to pay in addition the sum of Five ($5.00) Dollars. If the total so required is not paid before fifteen (15) days from the beginning of said semester, the student’s name will be stricken from the rolls.

No fees will be returned after the last day of registration (October 4, 1930). In case, however, a student discontinues the course, any fees paid will be credited to a subsequent course, but these fees are not transferable.

LOAN FUNDS, FELLOWSHIPS, SCHOLARSHIPS, AND PRIZES

THE CHARLES CASPARI, JR., MEMORIAL LOAN FUND

In memory of Prof. Charles Caspari, Jr., a former Dean of the School of Pharmacy, and in keeping with the modesty and lack of ostentation, and eagerness for service and helpfulness to others, which were striking characteristics of Professor Caspari, a number of friends and alumni have made contributions to establish a fund in his name. Loans are made from this fund upon recommendation of the Faculty of the School of Pharmacy to members of the third-year class.

THE H. A. B. DUNNING RESEARCH FELLOWSHIP

Dr. H. A. B. Dunning, the well-known, retail and manufacturing pharmacist of Baltimore, who was for a number of years Associate Professor of Chemistry in the school, and whose interest in his Alma Mater has always been manifest, has provided the sum of $1,000.00 per year for a period of five years, to establish a Research Fellowship in Pharmaceutical Chemistry. At the end of that period an endowment will be made by Dr. Dunning to perpetuate the fellowship. This fellowship will be awarded annually to a student in pharmacy who has completed four years of college work, and who gives evidence of a special aptitude for investigational work in pharmaceutical chemistry.

RESEARCH GRANT OF THE ALUMNI ASSOCIATION OF THE SCHOOL OF PHARMACY

The Alumni Association of the School of Pharmacy has agreed to annually deposit the sum of $100.00 with the School of Pharmacy as a research grant, to be placed to the credit of the student selected by the Committee on the Research Grant of the Alumni Association in order to enable him to engage in pharmaceutical research in the School of Pharmacy of the University of Maryland during the next scholastic year. The research conducted shall be of general pharmaceutical interest and shall be intended for publication in some pharmaceutical journal when completed and accepted.

THE CHARLES LANDON HENRY MEMORIAL SCHOLARSHIP

In memory of the late Charles Landon Henry, who was for many years a representative and district manager for the firm of Seabury & Johnson, a loyal member of the Maryland Pharmaceutical Association and active in all pharmaceutical affairs in this and neighboring states, and who was especially interested in the progress and welfare of worthy young people, Mrs. Charles Landon Henry has provided the sum of $100.00 to be awarded annually as a scholarship to a student who has completed the third year of the course and who has shown exceptional proficiency in his or her work in Practical and Commercial Pharmacy.
THE FAIRCHILD SCHOLARSHIP

Mr. Samuel W. Fairchild, of New York City, offers a scholarship annually, amounting to $300.00 in cash, to the high-school graduates of the United States who wish to follow pharmacy as a vocation. The scholarship is awarded on the basis of a competitive examination to candidates who are high-school graduates and who have successfully finished at least three years' work in a school or college of pharmacy or department of pharmacy of a university, member of the American Association of Colleges of Pharmacy. Each school, college or department of pharmacy is limited to two candidates. The examinations will be held at the School of Pharmacy on the second Monday in June.

THE WILLIAM SIMON MEMORIAL PRIZE

In honor of the late Dr. William Simon, for thirty years professor in the Maryland College of Pharmacy, now the School of Pharmacy, University of Maryland, a gold medal will be awarded to a candidate for the diploma of Graduate in Pharmacy for superior proficiency in the field of practical and analytical chemistry. The recipient must stand high in all branches and must have the endorsement of the whole faculty. In recommending a student for the prize, the professor of chemistry will be guided in his judgment of the student's ability as much by observation and personal contact as by grades made in examinations.

THE CHARLES CASPARI, JR., MEMORIAL PRIZE

A prize of $50.00 is given each year by Mr. Simon Solomon (Class of 1918) and Mr. Jacob L. Kronthal (Class of 1924) as a memorial to the late Prof. Charles Caspari, Jr., a former Dean and Professor of Pharmacy, to the student in the graduating class who has done the most satisfactory work in Pharmacy during the second and third years.

THE E. F. KELLY A. Ph. A. MEMBERSHIP PRIZE

Membership in the American Pharmaceutical Association for one year is offered annually as a prize by Dr. E. F. Kelly to the student, to be selected by the Faculty, who has completed the first semester of the second year of the course and has attained high standing in both theoretical and practical pharmacy.

THE BALTIMORE BRANCH A. Ph. A. MEMBERSHIP PRIZE

The Baltimore Branch of the American Pharmaceutical Association has arranged to set aside a sum to endow an annual membership in the American Pharmaceutical Association to be awarded annually to that student selected by the Faculty as having attained a high standing in his or her classes.

SCHOOL PRIZES

General.—A gold medal will be awarded at each annual commencement to the candidate for the diploma of Graduate in Pharmacy, whose deportment is creditable, and who has attained the highest general average, not below 90 per cent.

Certificates of Honor will be awarded to the three students having the highest general average, next to the winner of the general prize, provided this does not fall below 90 per cent.

Second Year.—Honorable mention will be made of the first three students having the highest general average, provided this does not fall below 90 per cent.
ALUMNI ASSOCIATION OF THE SCHOOL OF PHARMACY

The first meeting of the graduates of the Maryland College of Pharmacy (now the School of Pharmacy of the University of Maryland) was held May 13, 1871. This association was amalgamated with the General Alumni Association of the University of Maryland on July 1, 1907. To better serve the interests of the pharmaceutical group, the Alumni Association of the School of Pharmacy of the University of Maryland was reorganized on June 4, 1926. The following are its present officers:

EXECUTIVE COMMITTEE

President of the Association—Aquilla Jackson,
405 Rohr Rd. Ave., Baltimore, Md.
First Vice-President—Harry S. Harrison,
5418 Harford Ave., Baltimore, Md.
Second Vice-President—Harry A. Kinnamon,
2724 Harford Ave., Baltimore, Md.
Secretary—B. Olive Cole,
Greens and Lombard Sts., Baltimore, Md.
Treasurer—Frank L. Black,
3839 W. North Ave., Baltimore, Md.
Members at Large—Mrs. Mabel L. Maginnis
Leo C. Rettaliato
Simon Solomon
Lawrence S. Williams

COMMITTEE ON SCHOOL OF PHARMACY OF THE MARYLAND
PHARMACEUTICAL ASSOCIATION

When the School of Pharmacy became a part of the State University in 1928, the Maryland Pharmaceutical Association, in order to assist in the advancement of pharmaceutical education, appointed a standing committee, known as the Committee on School of Pharmacy. This Committee is composed of seven members, whose duty it is to represent the Association in all matters pertaining to the School of Pharmacy and pharmaceutical education. The following are the present members of this Committee:

R. E. L. Williamson, 
Chairman
A. R. L. Dohme
H. A. B. Dunning
Chas. L. Meyer
David R. Millard
John C. Muth
L. M. Kantner

Baltimore, Md.
### COURSE IN PHARMACY

#### First Year

<table>
<thead>
<tr>
<th>FIRST SEMESTER</th>
<th>Did.</th>
<th>Lab.</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pharmacy If</td>
<td>3</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td>Zoology If</td>
<td>3</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td>Chemistry 1y</td>
<td>3</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td>Language (German or French) 1y</td>
<td>4</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td>Mathematics 1y</td>
<td>3</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td>English 1y</td>
<td>3</td>
<td>4</td>
<td>3</td>
</tr>
</tbody>
</table>

| TOTAL         | 14   | 14   | 18     |

#### SECOND SEMESTER

<table>
<thead>
<tr>
<th>Did.</th>
<th>Lab.</th>
<th>Credit</th>
</tr>
</thead>
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<td>Pharmacy 2y</td>
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<td>Botany 1s</td>
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<td>Chemistry 1y</td>
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<tr>
<td>Language (German or French) 1y</td>
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| TOTAL         | 18   | 6     | 29     |

#### Second Year

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<th>Lab.</th>
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<tr>
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<tr>
<td>Hosp. Disp. Practice 5s*</td>
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<tr>
<td>Chemistry of Medicinal Products 4f</td>
<td>3</td>
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<td>3</td>
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<tr>
<td>Bacteriology If</td>
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<td>3</td>
</tr>
<tr>
<td>Pharmacognosy If</td>
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<td>3</td>
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<tr>
<td>Physics 1y</td>
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| TOTAL         | 14   | 14   | 19     |

#### SECOND SEMESTER

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<tr>
<td>Dispensing Pharmacy 4y</td>
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<tr>
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<td>1</td>
</tr>
<tr>
<td>Quantitative Analysis 2s</td>
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</tr>
<tr>
<td>Chemistry 2y</td>
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<td>4</td>
</tr>
<tr>
<td>Pharmacology, Toxicology, and Therapeutics 1s</td>
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</tr>
<tr>
<td>Physics 1y</td>
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| TOTAL         | 14   | 14   | 18     |

#### Third Year

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<tr>
<td>Hosp. Disp. Practice 5s*</td>
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<td>1</td>
<td></td>
</tr>
<tr>
<td>Chemistry of Medicinal Products 4f</td>
<td>3</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td>Bacteriology If</td>
<td>2</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td>Pharmacognosy, Toxicology, and Therapeutics 2f</td>
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<td>4</td>
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<td>Business Methods If</td>
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| TOTAL         | 13   | 17   | 19     |

#### SECOND SEMESTER

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<thead>
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<tr>
<td>Hosp. Disp. Practice 5s*</td>
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<tr>
<td>Pharmaceutical Testing 6s</td>
<td>2</td>
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</tr>
<tr>
<td>Serology and Immunology 2s</td>
<td>2</td>
<td>2</td>
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<tr>
<td>Vegetable Histology 2a</td>
<td>3</td>
<td>2</td>
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<tr>
<td>Pharmaceutical Law 1s</td>
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| TOTAL         | 9    | 16   | 15     |

#### Fourth Year

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<tr>
<td>Chemistry of Medicinal Products 102y</td>
<td>2</td>
<td>4</td>
<td>3</td>
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<tr>
<td>Physical Chemistry 103y</td>
<td>2</td>
<td>3</td>
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<tr>
<td>Physiological Chem. 104y</td>
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<tr>
<td>Food and Drug Analysis 105y</td>
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</table>

| TOTAL         | 10   | 18   | 17     |

* Every other week, a lecture or demonstration is given in place of laboratory work.
ASSIGNMENT OF HOURS FOR THE THREE-YEAR COURSE

**FIRST YEAR**

<table>
<thead>
<tr>
<th>Name of Course</th>
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<th>Total Hours</th>
<th>Semester Hours</th>
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<td>297</td>
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<td>112</td>
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**SECOND YEAR**

<table>
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<td>Therapeutics 1s</td>
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**THIRD YEAR**

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<th>Laboratory</th>
<th>Total Hours</th>
<th>Semester Hours</th>
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<td>112</td>
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<tr>
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<td>96</td>
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<td>Total</td>
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<td>876</td>
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**FOURTH YEAR**

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<th>Semester Hours</th>
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<td>Food and Drug Analysis 101F</td>
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<td>Biological Assaying and Testing 3s</td>
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<td>608</td>
<td>896</td>
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**SUMMARY**

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* Elective scheduled as premedic zoology, but the requirement may be satisfied in other subjects.
Description of Courses*

BACTERIOLOGY

1f. General Bacteriology—Classification and general characteristics of micro-organisms and the common protozoa, including culture media and methods of isolation and cultivation.

Third year, first semester, two lectures or recitations, two laboratory periods. Bryan and Shulman.

2n. Serology and Immunology—A study of the principles of immunity and of the preparation of serums and vaccines. Prerequisite—Bacteriology.

Third year, second semester, two lectures or recitations. Bryan.

BOTANY

1n. Structural Botany—A course in structural botany (organography), including classification and physiology of plant structures.

First year, second semester, three lectures or recitations, one laboratory period. Plitt, Stamba, and Shulman.

BUSINESS METHODS

1n. Business Methods—Business forms and practices applicable to pharmacy, including bookkeeping, banking, inventories, insurance, and contracts.

Third year, first semester, two lectures or recitations, one laboratory period. Cole and Ichniowski.

CHEMISTRY (BASAL COURSES)

1n. General Inorganic Chemistry and Qualitative Analysis—The first semester is devoted to a study of the chemistry of the non-metals and the fundamental concepts of inorganic chemistry. During the second semester the metallic elements are studied from the standpoint of systematic qualitative analysis.

Throughout the first year, three lectures or recitations, two laboratory periods. Vanden Bosche, Wich, Goldstein, and Grove.

2n. Organic Chemistry—General organic chemistry, including aliphatic and aromatic derivatives. Compounds of special interest to pharmacy are also prepared. Prerequisite—Chemistry 1n.

Throughout the second year, three lectures or recitations, two laboratory periods. Starkey, Manchey, and Grove.

CHEMISTRY (PHARMACEUTICAL)

3n. Quantitative Analysis—A study of quantitative methods. Prerequisite—Chemistry 1n and 2n.

Second year, second semester, two lectures or recitations and two laboratory periods. Jenkins, Wich, Grove, and Cwalina.

*Courses for undergraduates are designated by numbers from 1-99; courses for advanced undergraduates and graduates, by numbers, 100-199, and courses for graduates, by numbers, 200-299.

The letter following the number of a course indicates the semester in which it is offered: thus, course 1n is offered in the first semester; 1s, in the second semester. The letter “y” indicates a full-year course.

The semester hour, which is the unit of credit, is the equivalent of a subject pursued one period a week for one semester. A laboratory period is equivalent to one lecture or recitation period.
4f. Chemistry of Medicinal Products—A study of the more important medicinal plant products and of synthetic compounds. The laboratory work will include the isolation and identification of plant principles and the preparation of the simpler organic compounds used in medicine. Prerequisites—Chemistry 1y and 2y.

Third year, first semester, three lectures or recitations, two laboratory periods. Jenkins, Bauer, and Cwalina.


Third year, second semester, two lectures or recitations, three laboratory periods. Jenkins, Bauer, Grove, and Cwalina.

101f. Chemistry of Medicinal Products—A continuation of the course given in the third year. The laboratory work will consist principally of the preparation of synthetic organic compounds, and the relationship between chemical structure and physiological action will be emphasized.

Fourth year, first semester, two lectures or recitations, two laboratory periods. Jenkins.

102f. Food and Drug Analysis—A study of the methods employed by public health laboratories to control food and drug products.

Fourth year, first semester, two lectures or recitations, and two laboratory periods. Jenkins.

201y. Advanced Survey of Pharmaceutical Chemistry—A study of practical methods of isolation, separation, identification, and analysis of the complex active principles of crude drugs.

Throughout the year, two lectures and two laboratory periods. Given every other year. Jenkins.

202y. Advanced Pharmaceutical Syntheses—A study of the application of synthetic reaction methods to the synthesis of complex medicinal substances, and a study of the properties and structure of the products obtained by physical, chemical, and physiological methods.

Throughout the year, two lectures and two laboratory periods. Given every other year. Jenkins.

203y. Pharmaceutical Chemistry Seminar—Reports of progress and discussion of the problems encountered in research and the presentation of papers which survey the recent developments of pharmaceutical chemistry reported in the current literature.

Two to four credits. Jenkins.

204y. History of Pharmaceutical Chemistry—A study of the development of pharmaceutical chemistry in relation to the history of other sciences, industry and civilization.

One lecture. Jenkins.

205y. Research in Pharmaceutical Chemistry—Credit to be determined by the amount and the quality of the work performed. Open to graduate students only. Jenkins.

CHEMISTRY (PHYSICAL)

103y. Physical Chemistry—Fundamental concepts of physical and colloidal chemistry. Prerequisites—Chemistry 1y, 2y and 3y.

Throughout the fourth year, two lectures or recitations, one laboratory period. Vanden Bosch.
CHEMISTRY (PHYSIOLOGICAL)

101y. Physiological Chemistry—A study of the chemistry of metabolism, body fluids and secretions. Prerequisites—Chemistry 1y, 2y, and 3s. Throughout the fourth year, two lectures or recitations and two laboratory periods. Bauer.

ENGLISH

1y. English—Composition and rhetoric, including parts, principles and conventions of effective thought communication; reading, study and analysis of standard contemporary prose specimens; original exercises and themes. Throughout the first year, three lectures or recitations. Pyles, Foley, and Thomas.

GERMAN AND FRENCH

1y. German—Grammar, dictation, oral and written translation from English into German, reading of prose selections and short stories. Throughout the first year, four lectures or recitations. Parsons and Miller.

1y. French—Elements of grammar, drill upon pronunciation, composition, conversation, reading of prose selections and short stories. Throughout the first year, four lectures or recitations. Parsons.

Students will be assigned one of the two languages by the department. The assignment will ordinarily be made on the basis of the student's previous training.

No credit will be given for the first semester until the second semester has been completed. Eight hours' credit in Spanish will be accepted in lieu of the foregoing.

MATHEMATICS

1f. Algebra—Quadratics, simultaneous quadratic equations, graphs, progressions and logarithms. First year, first semester, three lectures or recitations. Schad and Morrill.

2s. Trigonometry—Trigonometric functions, including deduction of formulas and their application to the solution of triangles, trigonometric equations, etc. First year, second semester, three lectures or recitations. Schad and Morrill.

PHARMACOGNOSY

1f. Pharmacognosy—A study of the physical characteristics of drugs, with special reference to the identification and purity of vegetable drugs. Prerequisite—Botany 1s.

Second year, first semester, two lectures or recitations, two laboratory periods. Plitt, Slama, and Shulman.

2s. Vegetable Histology—A microscopic study of the structure of medicinal plants, including powdered drugs. Prerequisite—Materia Medica 1y and Pharmacognosy 1y. Third year, second semester, two laboratory periods. Plitt, Slama, and Shulman.

101y. Taxonomy of the Higher Plants—A study of the kinds of seed plants and ferns, their classification, and field work on local flora. Emphasis will be placed on official drug plants. Instruction will be given in the preparation of an herbarium. Elective for students who contemplate taking advanced work in pharmacognosy.

One lecture, one laboratory period. Plitt.

201y. Advanced Course in Vegetable Histology—Section cutting, embedding of material in celloidin, and in paraffin, leading to research. Throughout the year, two lectures and two laboratory periods. Plitt.
PHARMACOLOGY AND THERAPEUTICS

1s and 2f. Pharmacology, Toxicology, and Therapeutics—A study of the physiological action, toxicity, and therapeutic uses of medicinal substances with special reference to the drugs and preparations of the United States Pharmacopoeia and the National Formulary.

Second year, second semester, and third year, first semester, three lectures or recitations throughout both semesters. — and Ichniowski.


Fourth year, second semester, two lectures or recitations, two laboratory periods. — and Ichniowski.


Throughout the year, two lectures and two laboratory periods.

202y. Research in Pharmacology and Therapeutics.

Credits and hours to be arranged.

PHARMACY

1f. Pharmaceutical Technique—A study of elementary dispensing technique.

First year, first semester, one laboratory period. Wolf, McNally, Deal, and Senger.

2s. Theoretical Pharmacy—A study of weights and measures, mathematical calculations employed in pharmacy, with a historical introduction to the United States Pharmacopoeia, the National Formulary, and other authoritative drug standards.

First year, second semester, two lectures or recitations. DuMez and assistants.

3y. Theoretical and Practical Pharmacy—A study of the theory and practice of pharmaceutical manipulations. Prerequisites—Pharmacy 1f and 2s.

Throughout the second year, three lectures or recitations, two laboratory periods. DuMez, Andrews, McNally, Deal, and Senger.

4y. Dispensing Pharmacy—A study of the compounding and dispensing of prescriptions. Prerequisite—Pharmacy 3y.

Throughout the third year, three lectures or recitations, two laboratory periods. Wolf, Andrews, McNally, Deal, and Senger.

5y. Hospital Dispensary Practice—Practical work in dispensing in hospital pharmacies. Prerequisite—Pharmacy 3y.

Throughout the third year, one lecture, demonstration or laboratory period. Andrews.
101y. Pharmacy—A continuation of the courses given in the second and third years, with special reference to methods employed in manufacturing pharmacy.
Throughout the fourth year, one lecture or recitation, two laboratory periods. DuMes.

201y. Advanced Pharmaceutical Technology—A study of pharmaceutical manufacturing processes from the standpoint of plant; crude materials used, their collection, preservation, and transformation into forms suitable for therapeutic application.
Throughout the year, two lectures and two laboratory periods. DuMes.

202y. Survey of Pharmaceutical Literature—Lectures and topics on the literature pertaining to pharmacy with special reference to the origin and development of the works on drug standards and the pharmaceutical periodicals.
Throughout the year, one hour. DuMes.

203y. History of Pharmacy—Lectures and topics on the development of pharmacy in America and the principal countries in Europe.
Throughout the year, two hours. DuMes.

204y. Research in Pharmacy.
Credit and hours to be arranged. DuMes.

PHARMACEUTICAL LAW
3s. Pharmaceutical Law—Fundamentals of law of interest to pharmacists, with especial reference to the regulation of the practice of pharmacy; laws and regulations pertaining to the dispensing of poisons, narcotics and alcoholic liquors and preparations.
Third year, second semester, two lectures or recitations. Cole.

PHYSICS
1y. Physics—The laws, principles and theories that govern the various physical phenomena in sound, light, magnetism, electricity, mechanics, and heat.
Throughout the second year, three lectures or recitations, one laboratory period. Eichlin, Roseberry, and Pittman.

PHYSIOLOGY AND HYGIENE
1f. Physiology and Hygiene—Elementary anatomy and histology of the body; including discussion of functions of the various organs.
Second year, first semester, three lectures or recitations. Mitchell.

ZOOLOGY
1f. Zoology—A study chiefly of invertebrate animals, with laboratory work on typical specimens of each of the various phyla.
First semester, first year, three lectures or recitations, two laboratory periods. Thompson, Pierson, and Brown.

TEXT-BOOKS
The books required in each course will be announced at the beginning of each semester by the teacher in charge. Each student will be required to have his own text-books.

IMPORTANT NOTICE
The rules and conditions stated in this prospectus will govern students until the next succeeding issue, after which time they will be governed by the conditions stated in the latter.
THIRD YEAR CLASS (Continued)

Seldman, Henry George
Abe, Bernard
Abe, Edward James
Austrow, Richard Freeman
Barik, Daniel Stanley
Becker, Samuel David
Bettler, Ben
Bennett, Lester Leon
Berman, Frederic Theodore
Bloom, Max
Brieno, Henry Allison
Brant, William Lester
Brusovian, Maurice
Cantor, Jessie
Cantor, Frueda
David, Edwin
Collon, Morris Goodoff
Cottier, Edward Francis
DeDominicis, Amelia
Deibl, Earl Henry
Dinges, Frank Francis
Down, Grant, Jr.
Edelson, Joseph Morace
Edinger, Milton Leonard
Feldman, David
Fenster, Philip
Garfinkel, Mayer
Ginsberg, Benjamin
Glausser, Frank
Goldblatt, Ben
Goldstein, Sam Alvin
Gordon, Charles
Grossman, Bernard
Halsman, Bernard
Hays, Joseph Bernhard
Hass, David Benton, Jr.
Harris, Aaron
Hart, John Conrad
Heer, Alvin Louis
Hemphill, James Basillito
Hennessy, Morris Wait
Hensel, Leonard Louis
Hochberg, Harry
Hoffman, Joseph James
Hollis, Joseph
Hornick, Paul
Hilberg, Peter Ludwig
Joffe, Albert
Kedrowski, Nancy Emily
Katz, Joseph
Kawsky, Charles Raymond
Kreinin, White
Klaveno, Elmer

SECOND YEAR CLASS

Abelson, Bernard
Abe, Edward James
Austrow, Richard Freeman
Barik, Daniel Stanley
Becker, Samuel David
Bettler, Ben
Bennett, Lester Leon
Berman, Frederic Theodore
Bloom, Max
Brieno, Henry Allison
Brant, William Lester
Brusovian, Maurice
Cantor, Jessie
Cantor, Frueda
David, Edwin
Collon, Morris Goodoff
Cottier, Edward Francis
DeDominicis, Amelia
Deibl, Earl Henry
Dinges, Frank Francis
Down, Grant, Jr.
Edelson, Joseph Morace
Edinger, Milton Leonard
Feldman, David
Fenster, Philip
Garfinkel, Mayer
Ginsberg, Benjamin
Glausser, Frank
Goldblatt, Ben
Goldstein, Sam Alvin
Gordon, Charles
Grossman, Bernard
Halsman, Bernard
Hays, Joseph Bernhard
Hass, David Benton, Jr.
Harris, Aaron
Hart, John Conrad
Heer, Alvin Louis
Hemphill, James Basillito
Hennessy, Morris Wait
Hensel, Leonard Louis
Hochberg, Harry
Hoffman, Joseph James
Hollis, Joseph
Hornick, Paul
Hilberg, Peter Ludwig
Joffe, Albert
Kedrowski, Nancy Emily
Katz, Joseph
Kawsky, Charles Raymond
Kreinin, White
Klaveno, Elmer

FIRST YEAR CLASS

Abramson, Daniel Jerome
Abe, Wilbur
Abe, Henry John
Austrow, Richard Freeman
Barik, Daniel Stanley
Becker, Samuel David
Bettler, Ben
Bennett, Lester Leon
Berman, Frederic Theodore
Bloom, Max
Brieno, Henry Allison
Brant, William Lester
Brusovian, Maurice
Cantor, Jessie
Cantor, Frueda
David, Edwin
Collon, Morris Goodoff
Cottier, Edward Francis
DeDominicis, Amelia
Deibl, Earl Henry
Dinges, Frank Francis
Down, Grant, Jr.
Edelson, Joseph Morace
Edinger, Milton Leonard
Feldman, David
Fenster, Philip
Garfinkel, Mayer
Ginsberg, Benjamin
Glausser, Frank
Goldblatt, Ben
Goldstein, Sam Alvin
Gordon, Charles
Grossman, Bernard
Halsman, Bernard
Hays, Joseph Bernhard
Hass, David Benton, Jr.
Harris, Aaron
Hart, John Conrad
Heer, Alvin Louis
Hemphill, James Basillito
Hennessy, Morris Wait
Hensel, Leonard Louis
Hochberg, Harry
Hoffman, Joseph James
Hollis, Joseph
Hornick, Paul
Hilberg, Peter Ludwig
Joffe, Albert
Kedrowski, Nancy Emily
Katz, Joseph
Kawsky, Charles Raymond
Kreinin, White
Klaveno, Elmer

Krasnow, Jacob
Krein, Elizabeth Edna
Ladenski, William
Layton, Ernest
Levin, Harold Joseph
Levin, Max
Lev, Edward Bennett
McClellan, Charles Joseph
Marek, Anton Charles
Marek, Charles Bernard
Mandelson, Herman
Michel, John Vernon
Miler, Nathaniel Armand
Millet, Sylvia
Moore, Alfred Charles
Morstein, Raymond Milton
Moss, Marcus Anthony
Moses, Benjamin Bernhard
Naiditch, Morton Elliot
Neuman, Leon Meyer
Okey, Louis Edward
Orsini, Anthony Victor
Oscott, George Dawson
Paavove, Isadore Jack
Peiffer, Charles Michael
Robinson, Harry Maxmillan
Rodriguez, Sara
Rostov, Samuel Joseph
Ruben, Sydney Isador
Savage, Walter Thomas
Shamkler, Dorothy Elizabeth
Schmitt, George Frederick, Jr.
Schulze, Charles John
Adolph, Jr.
Scott, Leon
Scott, Virginia Patricia
Shenker, Arthur
Sherman, Louis Lazar
Sholes, Gerald
Sister Mary Carmel
Sister Mary Rita
Smolovitz, David
Solod, Herbert
Steinberg, Bernard
Stillman, George Joseph
Tourkin, David
Treadway, Julius Joseph
Wilson, John Jacob
Wode, Alvin Eugene
Wolf, Nathan
Wolfstein, Samuel
Wolkowitz, Joseph I.
Young, Charles Louis
Zolner, Anthony John

† Did not attend entire session.
FIRST YEAR CLASS (Continued)

<table>
<thead>
<tr>
<th>Name</th>
<th>Degree</th>
<th>City</th>
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<tbody>
<tr>
<td>Bache, Julius Frangis</td>
<td>Md.</td>
<td>Porto Rico</td>
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<tr>
<td>Bartnick, Lester L.</td>
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<td>Carlson, Carl Edwin</td>
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<td>Mackawak, Stephen Casliner</td>
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SPECIAL STUDENTS

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<tr>
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<th>City</th>
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<tbody>
<tr>
<td>Cheng, Toh-Chuan</td>
<td>Md.</td>
<td>China</td>
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<tr>
<td>Gakenheimer, Albert C.</td>
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<tr>
<td>Goldschneider, Elvin Edward</td>
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<td>Calif</td>
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Roll of Graduates, June 7, 1930

*MASTER OF SCIENCE*

<table>
<thead>
<tr>
<th>Name</th>
<th>Degree</th>
<th>City</th>
</tr>
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<tbody>
<tr>
<td>Bauer, John Conrad</td>
<td>Md.</td>
<td>D. C.</td>
</tr>
<tr>
<td>Briggs, William Paul</td>
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</tr>
<tr>
<td>Slama, Frank J.</td>
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BACHELOR OF SCIENCE IN PHARMACY

<table>
<thead>
<tr>
<th>Name</th>
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<tbody>
<tr>
<td>Brockman, Hilliard</td>
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<td>Bruenn, W. Daniel</td>
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<tr>
<td>Eichert, Herbert</td>
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<td>Elsmann, Morris J.</td>
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<td>Glass, Albert Julius</td>
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<td>Greenberg, Harry Lee</td>
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<tr>
<td>Grove, Donald Cooper</td>
<td>Md.</td>
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</tr>
</tbody>
</table>

† Did not attend entire session.
* Degree conferred by Graduate School.
BACHELOR OF SCIENCE IN PHARMACY (Continued)

Hantman, Irvin ................................................. Md.
Kaufman, Stanley Louis ............................. Md.
Kress, Milton Bernard ............................. Md.
Kurland, Louis J ......................................... Md.
Lieber, Abraham D ........................................ Md.
Manikey, L. Lavan ........................................ Md.

Graduate in Pharmacy

Archambault, Paul J ........................................ S. D.
Baker, William B ........................................ Md.
Bayley, John S ........................................ Md.
Benck, Carroll Richard ................................ Md.
Bernstein, Nathan ........................................ Md.
Blumberg, Ely T ........................................ Md.
Buppert, Robert Charles ................................ Md.
Caplan, Milton ........................................ Md.
Carnell, Joseph ........................................ Md.
Chandler, N. W ........................................ Md.
Chapin, David ........................................ Md.
Cohen, Harry Jacob ................................ Md.
Cohen, Lawrence Jack ............................... Md.
Coppolita, Edward Anthony ......................... Md.
Dailey, Harry Alexander ........................... Md.
Diener, Samuel ........................................ Md.
Dyott, William Helder .............................. Md.
Fagley, Philip T ........................................ Md.
Feldman, Leon Henry ............................... Md.
Finnigan, William Lee ......................... Md.
Fisher, Arthur R ........................................ Md.
Fisher, Joel Nathan ................................ Md.
Fogle, William Thomas ............. ......... Md.
Forman, Robert R ........................................ Md.
Friedman, Isidore ....................... .............. Md.
Fulton, Charles Thomas W ................................ Va.
Gaboff, Benjamin ................................ Md.
Geevy, Alton Luther ................................ Pa.
Gibb, Henry ........................................ Md.
Goldstein, Herbert N ............................... Md.
Goldman, Howard ........................................ Md.
Gorham, Thomas ........................................ Md.
Gross, Albert ........................................ Md.
Graf, Alvin ........................................ Pa.
Grisser, Isadore H ................................ Md.
Harvis, Howard ......................................... Md.
Hirsh, Isidore ........................................ Md.
Hirshberg, Max ........................................ Md.
Hirshberg, Edward Harold ..................... Md.
Hirshenruffer, Louis 3rd ......................... Md.
Hoberman, Irving ........................................ Md.
Horne, Peyton N ......................................... Md.
Hunt, Calvin Leroy ................................ Md.
Hurtwitz, Abraham B ............................... Md.
Jaeggli, Richard Ben ................................ Md.
Jaffe, Bernard .......................................... Md.
Javorsky, Nathan B ................................ Md.
Kahn, J. Leon ........................................ Md.
Kallins, Edward S ...................................... Md.
Kurian, Hugh H ......................................... Md.
Klein, Harry ........................................ Md.
Klimen, Samuel E ................................ Md.

HONORS

Gold Medal for General Excellence ............................ HERBERT N. GOLDBSTONE
The William Simon Memorial Prize for proficiency in Practical Chemistry ...... ROBERT R. FORMAN
The Charles Caspari, Jr., Memorial Prize ($50.00) ......................... CALVIN LEROY HUNTER

CERTIFICATE OF HONOR (Third-Year Class) ........................................ ROBERT R. FORMAN

HONORABLE MENTION (Second-Year Class) ........................................ CHARLES BERNARD MAREK

ABRAHAM LOUIS BATALION

*Degree conferred September, 1929.*